



50
aniversario



إحدى شركات مؤسسة البترول الكويتية
A Subsidiary of Kuwait Petroleum Corporation

ACTIU



INDEX

KUWAIT OIL COMPANY



ACTIU: 50 YEARS DESIGNING PUBLIC SPACES AND WORKSPACES.

Actiu is an industrial company working within the installation sector and specialising in the manufacture of furniture. Actiu's flexibility and productive capacity enable the company to carry out comprehensive equipment projects worldwide, providing solutions that favour the wellbeing of people.

ACTIU, 50 AÑOS DISEÑANDO ESPACIOS PÚBLICOS Y DE TRABAJO.

Actiu es una empresa con una trayectoria industrial en el sector de la instalación, especializada en la creación de mobiliario, cuya flexibilidad y capacidad productiva permite desarrollar proyectos de equipamiento global a nivel internacional aportando soluciones que ofrezcan el bienestar de las personas.

ACTIU, 50 ANS DE CONCEPTION D'ESPACES PUBLICS ET DE TRAVAIL.

Actiu est une entreprise dotée d'un parcours à caractère industriel dans le secteur de l'installation, qui se spécialise dans la création de mobilier, et dont la flexibilité et la capacité de production permettent de développer des projets d'équipement global à un niveau international, tout en apportant des solutions qui puissent offrir du bien-être aux personnes.

ACTIU, 50 JAHRE DESIGN UND PRODUKTION VON MÖBELN FÜR ÖFFENTLICHE EINRICHTUNGEN UND ARBEITSRÄUME.

Unsere ständige Forschung, Weiterentwicklung, Flexibilität und Erfahrung ermöglichen es uns, Projekte im privaten und öffentlichen Bereich der verschiedensten Sektoren auf nationaler und internationaler Ebene durchzuführen. Stillstand ist uns fremd. Uns treibt das Bedürfnis an, näher an den Menschen zu sein und Lösungsmöglichkeiten zu entwickeln, die den Endnutzern Wohlgefühl bieten.



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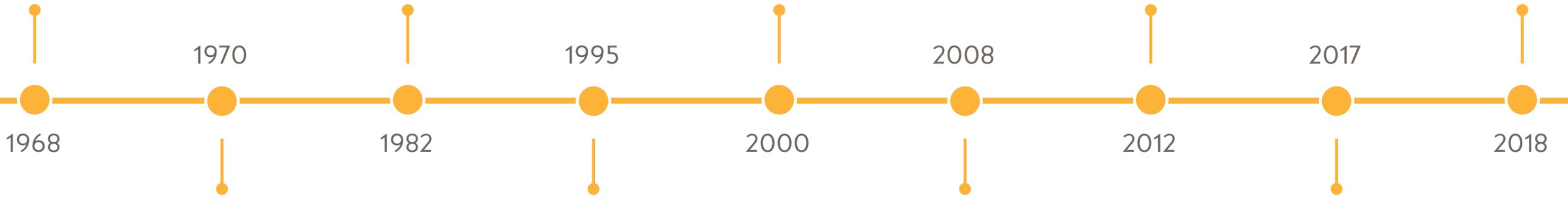
163 **CERTIFICATES**

In this document we make a detailed presentation of our partner “ACTIU” for operative and directional áreas.

- **ACTIU Presentation**
- **Project Kuwait oil company**
- **General presentation of the lines of furniture and chairs**



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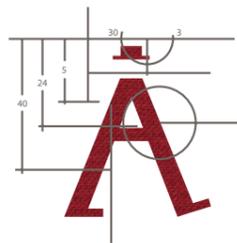
COOL
WORK
ING
ACTIU

OUR
VALUES



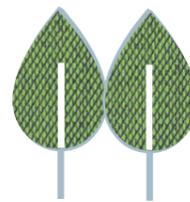
PEOPLE

- Employee Satisfaction
- Connecting with People Productivity
- Talent Retention
- Sense of Belonging
- Efficiency and Optimization
- Solid Brand Identity



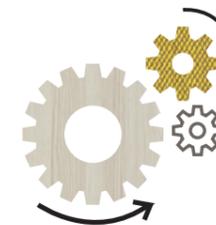
DESIGN

- Architecture- Actiu Technological Park
- Product Design
- Communication Design
- Design and management of spaces



SUSTAINABILITY

- Sustainable construction
- LEED** certificate
- Product eco-design
- Service efficient logistics
- Respect for the environment
- Sustainable manufacturing
- Recycling minded people



MANUFACTURING

- We are manufacturers
- Industrial cluster collaborators
- Collaboration with suppliers
- Technology and innovation
- Master of raw materials and processes



INTERNATIONALIZATION

- Worldwide coverage
- Presence in over 96 countries
- New market expansion
- Partner and actiu development
- Proximity showroom

ACTIU TECHNOLOGY PARK

A PHILOSOPHY MADE ARCHITECTURE



architect: José María Tomás Llavador



ACTIU TECHNOLOGY PARK
LEED® PLATINUM certified by USGBC
 Leadership in Energy & Environmental Design
 LEED® Gold certified 2011 • LEED® Platinum certified 2017

This recognition of the American Green Building shows how Actiu's sustainable policy supports the efficient use of natural resources that is paramount within our construction and design.

With an unwavering commitment towards the preservation of the environment, ACTIU is proudly the first European Industrial Company to receive this excellent certificate. The success provided by this award has become a main motivating catalyst for our formidable commitment towards sustainability, innovation and the territory- a tripartite of values that deeply features our company.

- Total surface: 200,000 m²
- Green areas: 130,000 m²
- Three production plants: 40,000 m²
- Logistics Centre: 18,000 m²
- Three floors Corporate HQ: 6,000 m²
- Meeting points and indoor gardens: 2,000 m²
- Cisterns for 12,000 m³ of rainfall water.
- Solar plant: 8,000,000 kWh per year
- Prevents 8,300 Tons of CO₂ emissions per year
- Sport Centre, Gym

**SELF-SUFFICIENT
IN RESOURCES**
Negative Carbon Footprint



NATURE AND
TERRITORY

SUSTAINABILITY



WATER

MANUFACTURING
AND PRODUCTION



LIGHT AND ENERGY



MECHANIZED



Our facility enable us to manufacture both large production batches but also small and flexible batches , ensuring constant certified quality. Additonally, we are self sufficient on most of the production processes internally.



**DESIGN
& DESIGNERS**



**RAMOS
& BASSOLS**



ODOSDESIGN



CDN



**ITEM
DESIGNWORKS**



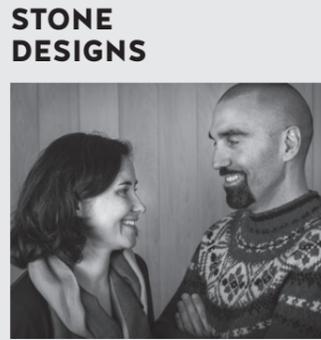
**ALEGRE
DESIGN**



**SYLVAIN CARLET
& ISERN SERRA**



**DESIGN ENRICO
FRIGERIO BY FDG**



**STONE
DESIGNS**

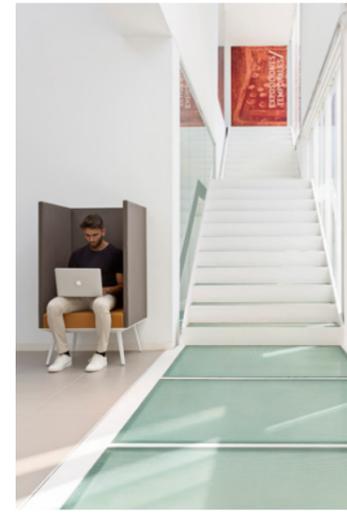


**LLEDÓ Y
CAMPOS**



**SIGFRIDO
BILBAO**

COLLABORATION



SOLUTIONS



QUALITY

PRODUCT
& DESIGN



PLANNING



DIFFERENTIATE



APPLY



ETHICAL



BRAND

ARCHITECTURE AWARDS



LEED® Platinum Certification



BEX International Award:
Sustainability Category, 2009



IFMA Award: Good & Best Practice, 2009



FOPA Awards:
Best project of 2008



Construye Awards:
Honorable Mention for the best Industrial Project, 2008-2009



Anuaría Award
for the Best Labeling



ADCV Award
for the Best Signage



Green Good Design Award



COMPANY AWARDS & ACKNOWLEDGMENTS



European Business of the Year
at the European Business Awards



European Business of the Year
National winner at the EBAS



MAZ Award
Healthy Company



Club Marketing Mediterraneo (CMM)
Presents awards to the best brands in the Alicante province



Unidos 8 de Marzo
Presented the Best Businessperson Award to the founder of Actiu, Vicente Berbegal



Nominated for the
2011 International ARSEG Awards



Green Seal Award
from the Valencia Stock Exchange



BID2012 Award
for being a company dedicated to design



ALCE Award
for creativity in advertising in the best spot

AROUND THE WORLD



96 COUNTRIES
120 SHOWROOMS
1500 PROJECTS



OFFICES



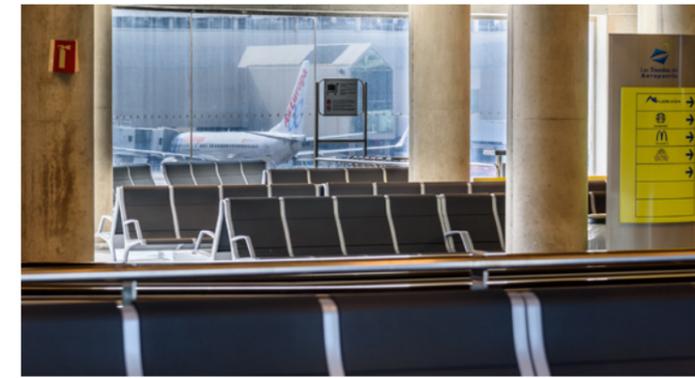
CANTEEN



EDUCATION



HEALTH



TERMINALS &
AUDITORIUMS



INSTITUTIONAL



Miami



Düsseldorf



London



Madrid



Sydney



Barcelona



Paris



Lisboa



**COOL
WORKING**

**MORE THAN
MANUFACTURERS**

SPACES
PEOPLE
PROCESSES

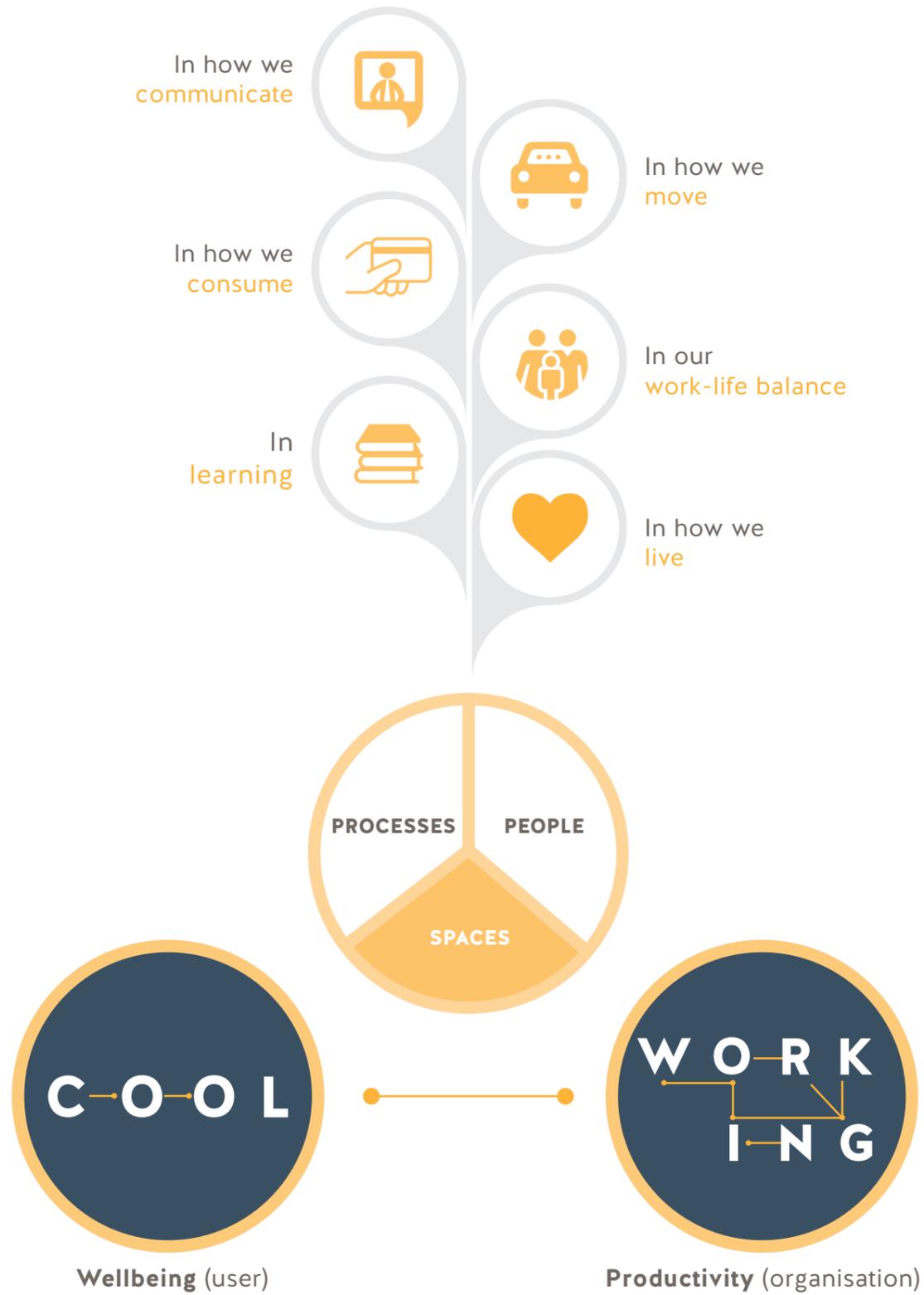


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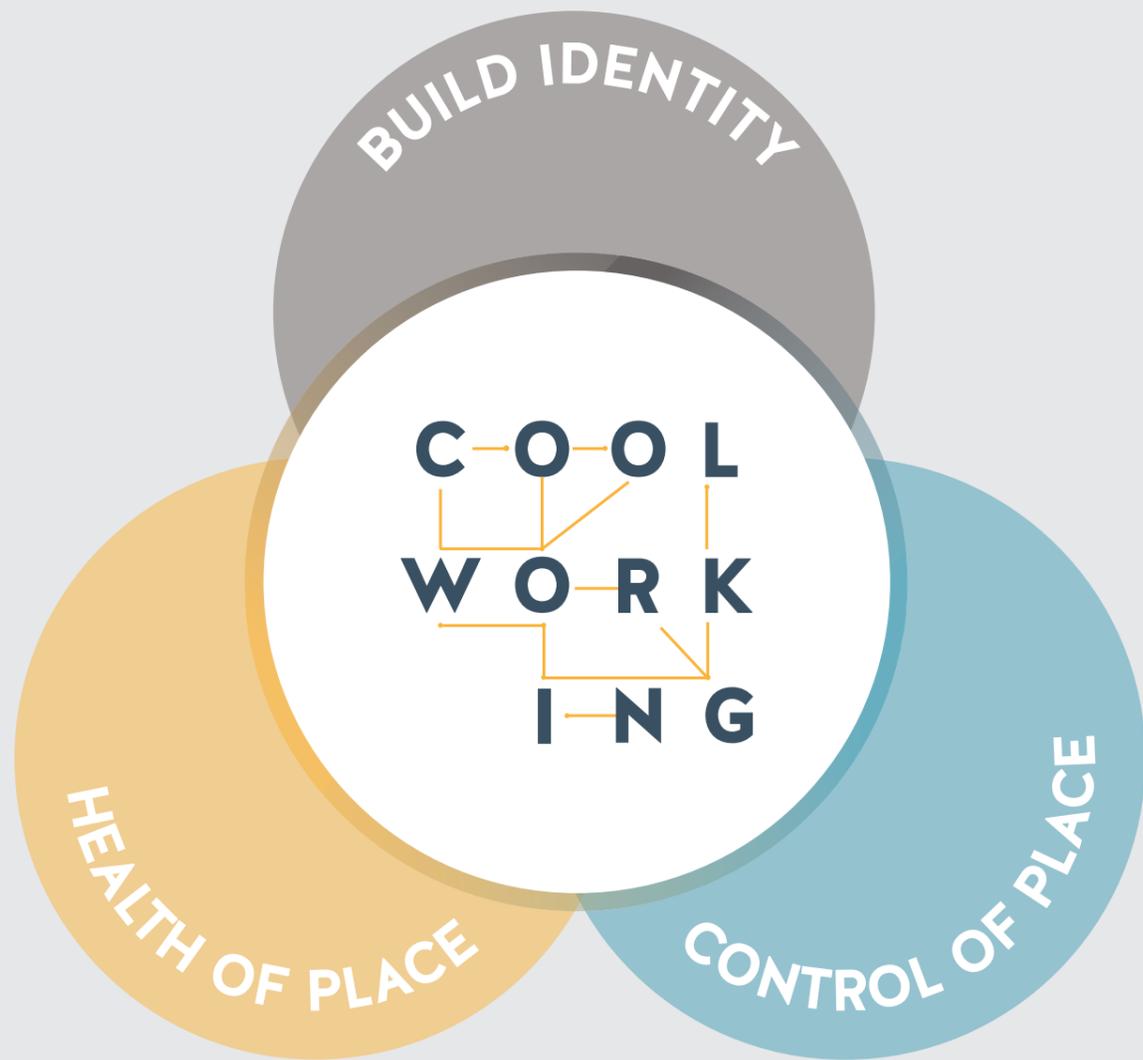


COOL WORKING

EVOLUTION OF THE OFFICE



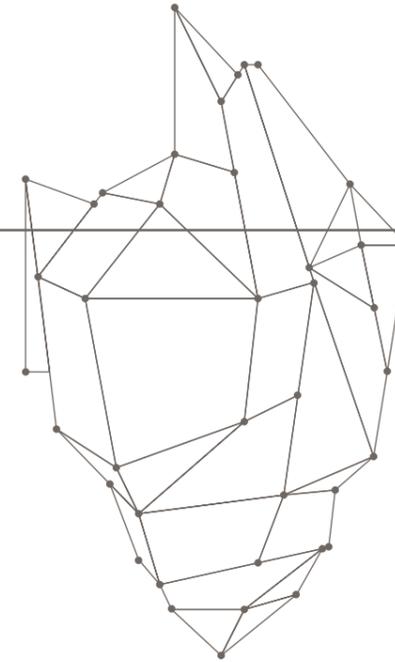
**COOL
WORKING**
IN THE MIDDLE
OF THE BRAND



WHAT CAN
BE SEEN



reddot award 2017
winner



WHAT IS
NOT SEEN

AREAS/SPACES



COLLABORATION



FOCUS



TRAINING



SOCIALIZATION



PRIVACY

INDICATORS



FLEXIBILITY



ORGANIZATION



SUSTAINABILITY



HEALTH



TECHNOLOGY



MOTIVATION



DIGITAL TRANSFORMATION

A CULTURAL
CHANGE



إحدى شركات مؤسسة البترول الكويتية
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DIGITAL TRANSFORMATION

A CULTURAL CHANGE

WHAT IS THE DIGITAL TRANSFORMATION?



The digital transformation is the integration of digital technology in all areas of a company, changing the way it operates and providing value to its customers. It also involves a cultural change that requires organizations to constantly challenge the status quo, experience and feel comfortable with failure. Digital transformation can involve the re-elaboration of products, processes and strategies within the organization through the use of digital technology.

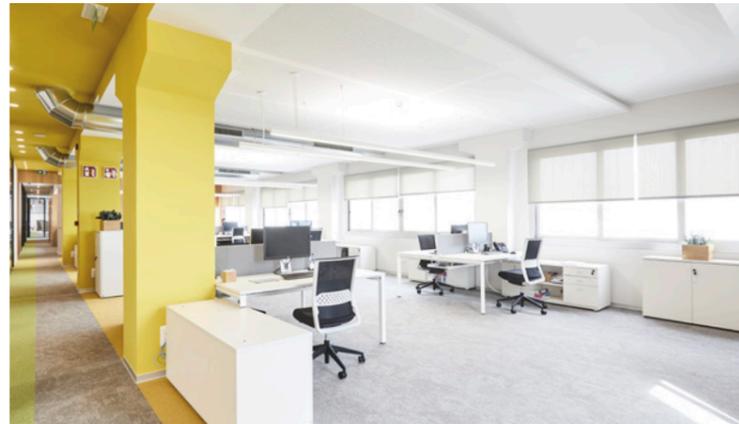


DIGITAL TRANSFORMATION

A CULTURAL CHANGE

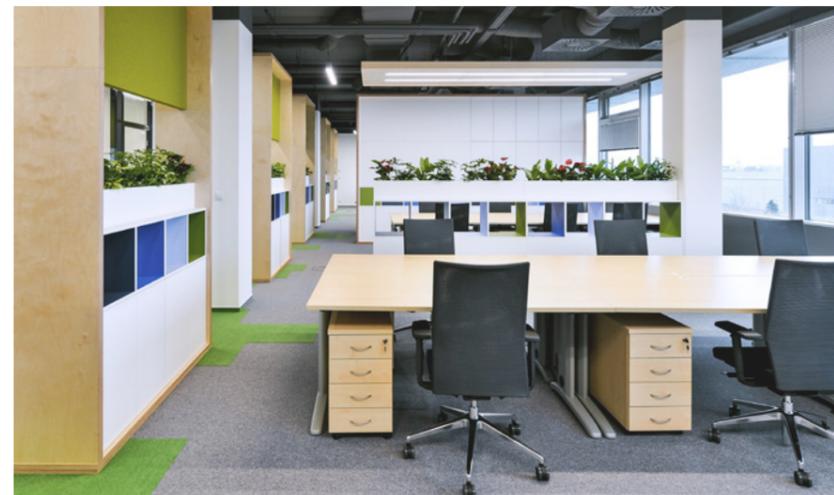
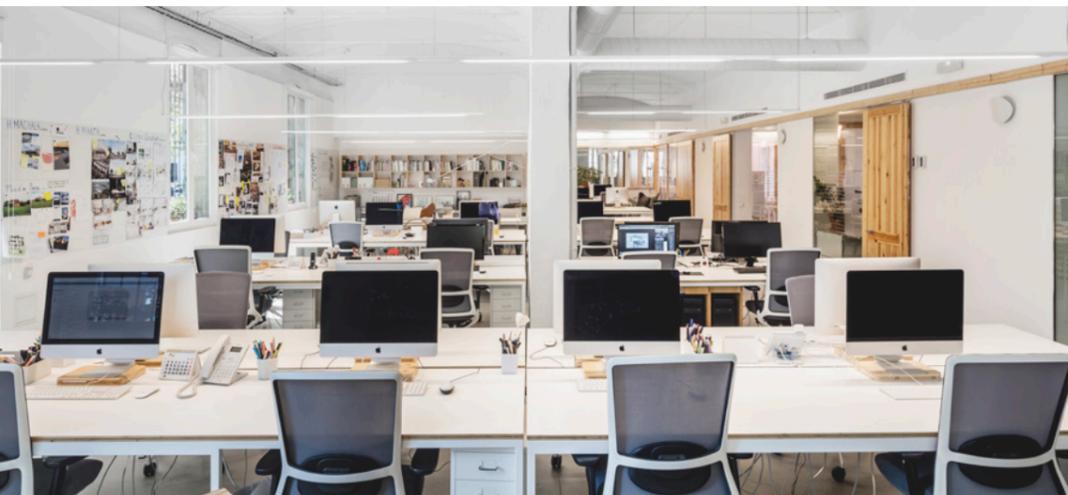


BUSINESS SUCCESS



The digital transformation and its progressive implementation will introduce important changes in the profiles of workers, jobs and the types of work to be performed by people in the office environment. The reduction of repetitive tasks, as well as the implementation of technology in furniture, will require a continuous adaptation of the office space, which should be adapted to the functions of the people.

NEW BUSINESS CHANCES



COSTS REDUCTION



CUSTOMER ACQUISITION

DIGITAL TRANSFORMATION

SMART FURNITURE

The new advances in environmental motorization focus on providing more knowledge of the use of space. Intensity and spectrum of light, amplitude and direction of sound, air quality, smell, location, occupation activity.

The challenge lies in the **TOTAL** Integration of these systems into a **UNIQUE** system with control intelligence that can **reduce the use of energy and increase the effectiveness of employees.**



LIGHT SENSOR



SOUND SENSOR



TEMPERATURE & HUMIDITY SENSOR



IR DISTANCE SENSOR



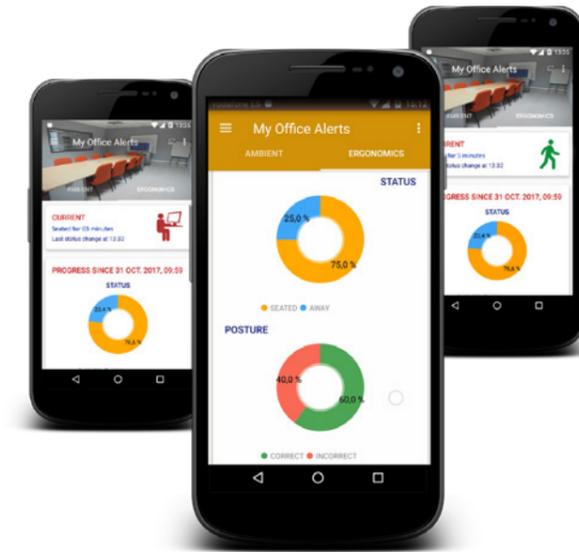
MICRO CONTROLLER BOARD

DIGITAL TRANSFORMATION

SMART FURNITURE

The natural evolution of the devices is to share biometric information of people with the Integral System to react in **REAL TIME** to the needs of each **individual**.

These biometric devices allow us to have the knowledge to understand the physical, emotional and cognitive problems that impact us in everything we do, and adapt the space and environment.



PRESURE SENSORS



IR DISTANCE SENSOR



MICRO CONTROLLER BOARD



50 ANIVERSARY

TRIP TO
THE NEXT
50 YEARS



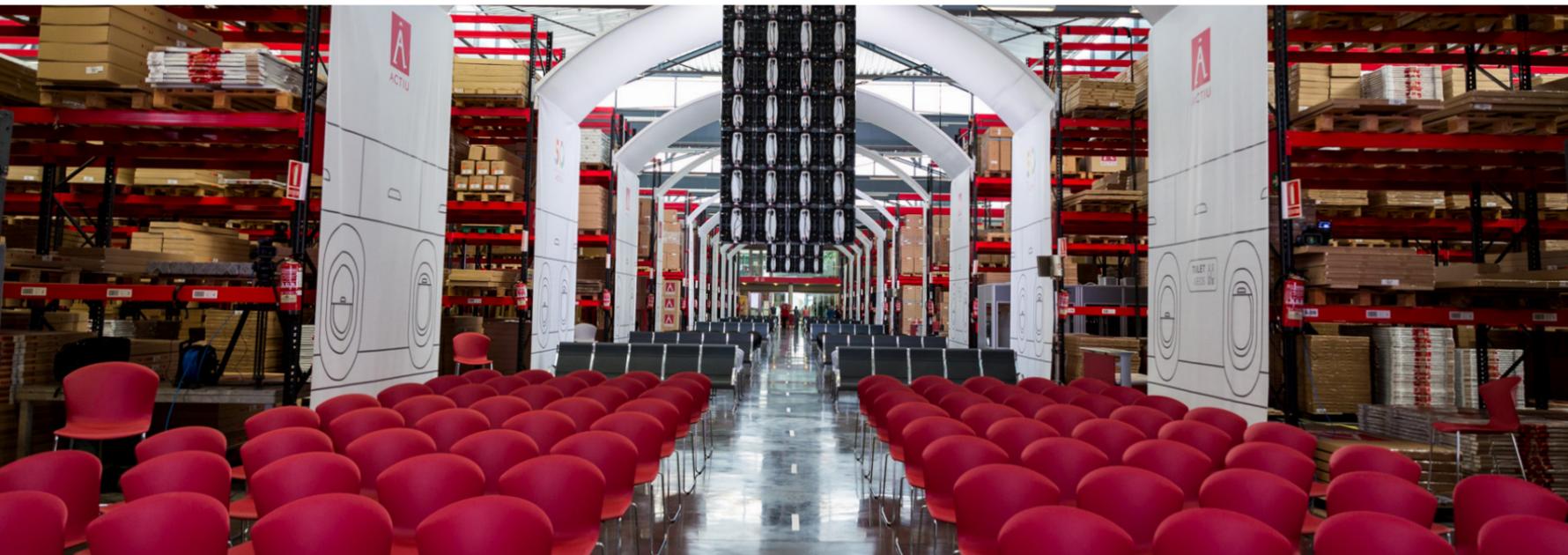
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DAY 1 A TRANSFORMER TRIP



HIGH-FLYING EXPERIENCE



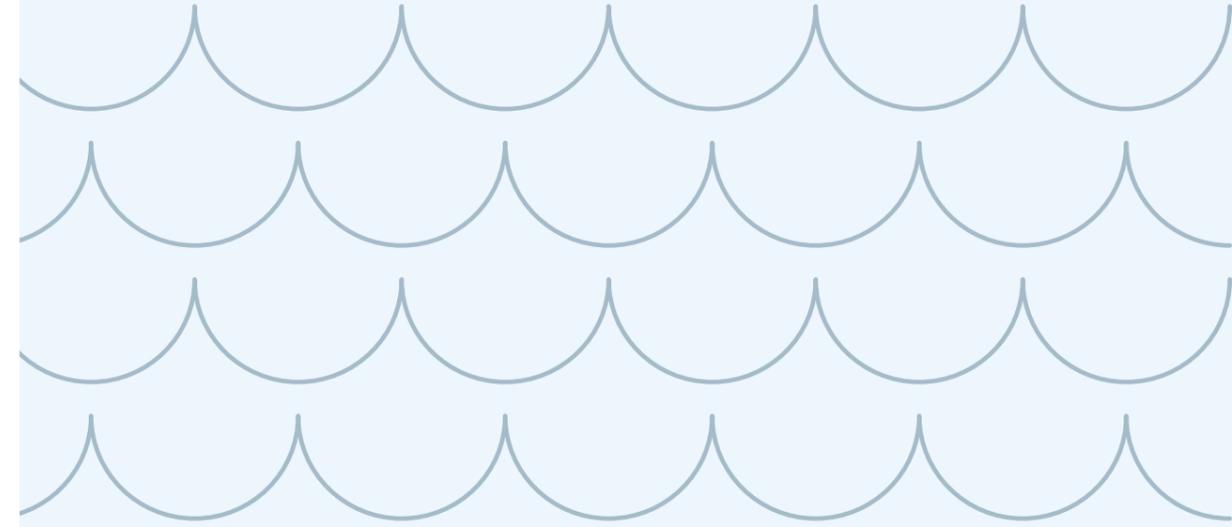
The first day was completed with a series of **talks on millennial culture, technology and creative leadership**. The lecture was presented by Raquel Aullón, after which three internationally prestigious keynote speakers addressed the keys to the **issues that are currently impacting** business culture.

During this day, Actiu surprised the audience with **T4 Stories**, four short films from young Alicante producers in an innovative vertical format like a mobile phone screen.



DAY 1
A TRIBUTE TO ORIGINS

CONTEMPORARY
MEDITERRANEAN

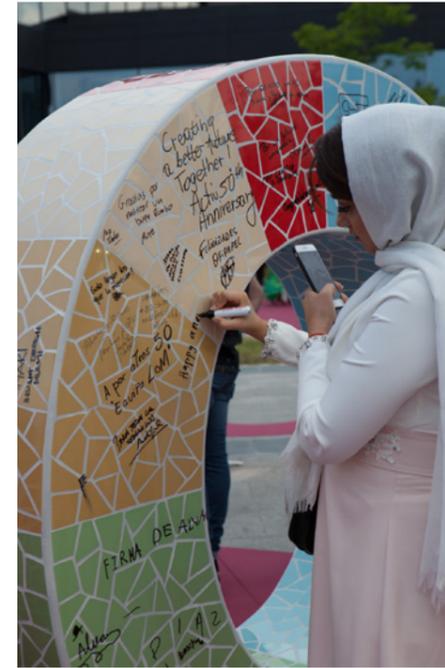
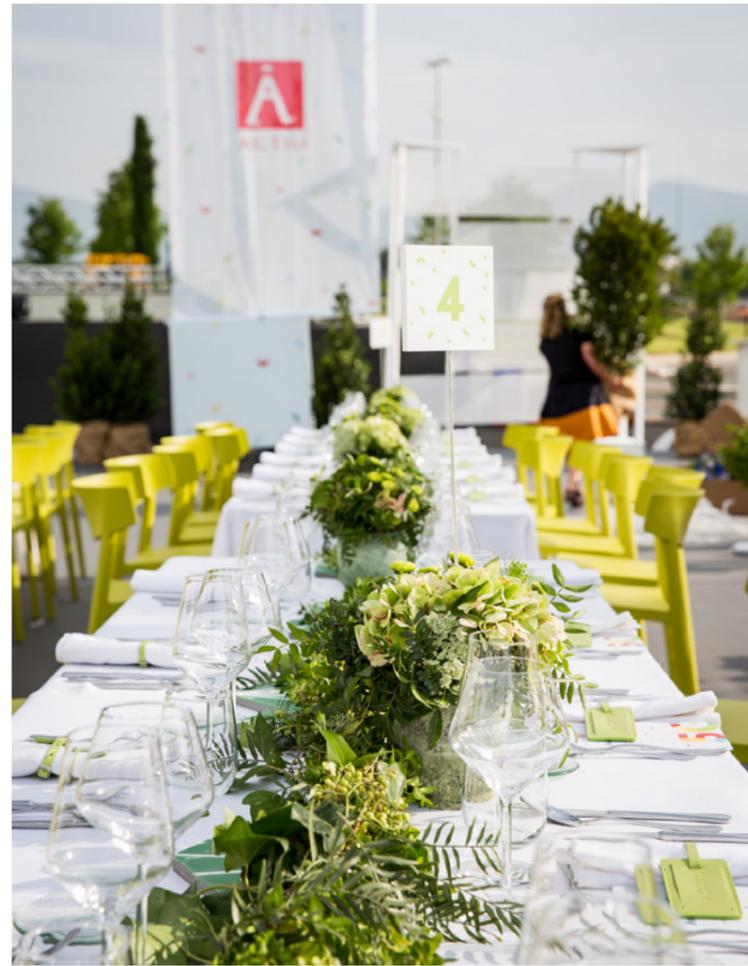


As a grand finale to this first day the **19th Century building known as “La Venta Flores”**, located in the Actiu Technology Park was inaugurated. It is an old farmhouse which had always been a meeting point for travelers and merchants. Actiu has renovated this space, while respecting its essence and emphasising commitment to the local area, design and architecture, to transform it into a new space to host exhibitions, conferences and training activities.

Its original layout was designed to encourage meeting up: with guest rooms to accommodate travellers, a large kitchen and dining room on the ground floor, and a courtyard, drinking trough and outbuildings for animals. The architecture is typically Mediterranean, giving importance to light, water and to the communal areas; elements that inspired the Technology Park and which were respected when it was time convert this space.

DAY 2 GALA DINNER

LIGHT & SOUND EXPLOSION



On the second day, the 28th of June, a **gala dinner** was held in the outdoor gardens at the Actiu Technology Park. This dinner tried to offer guests a Mediterranean experience of light, colour and aromas, chords and gunpowder

Each day of the 50th anniversary celebrations had as **their objective the consolidation of human relationships for a company that has built itself on the idea on the importance of people.** Vicent Berbegal, President of the company, was host over these few days, accompanied by his daughters Carmen, Laura and Soledad Berbegal, along with his son Vincent junior, who represented the **second generation of the company.**



DAY 3 ACTIU TEAM DINNER



The celebration ended with a dinner, on 29th of June, which the **workers who are part of this family** company as well as company collaborators were invited to





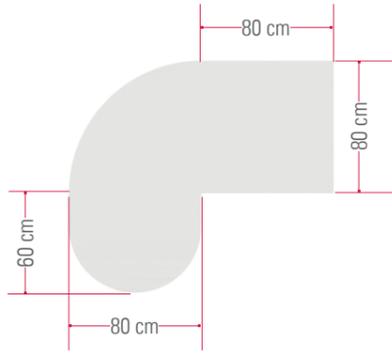
THE PROJECT

KUWAIT OIL
COMPANY



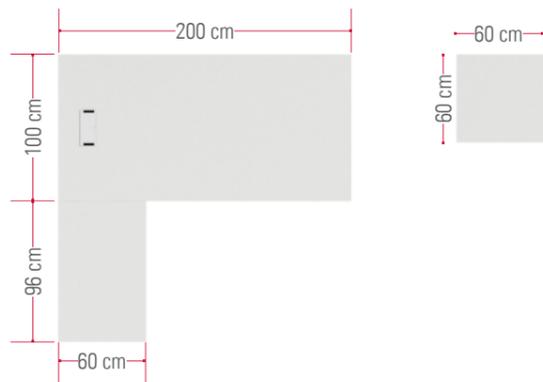
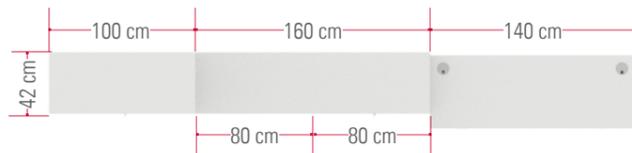
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OFIMAT
BENCH DESK

VITAL PLUS 60



VITAL PLUS 60
RECTANGULAR DESK

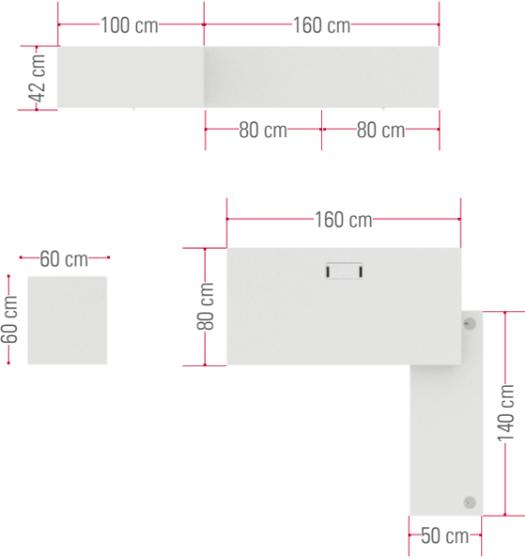
STORAGE UNITS
FILING SYSTEMS

DYNAMIC
COFFEE TABLES



VITAL PLUS ST

160 x 80 cm



STORAGE UNITS
FILING SYSTEMS



VITAL PLUS ST
RECTANGULAR DESK



STORAGE UNITS
FILING SYSTEMS

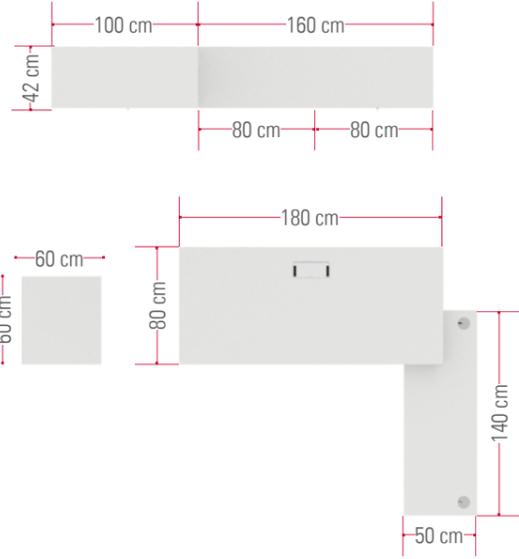


DYNAMIC
COFFEE TABLES



VITAL PLUS ST

180 x 80 cm



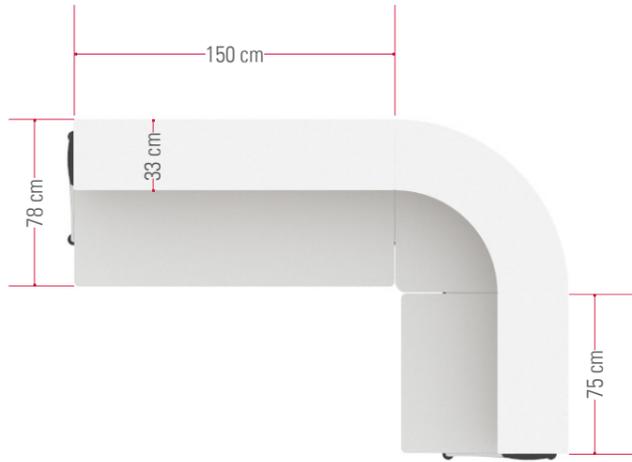
STAY



STAY



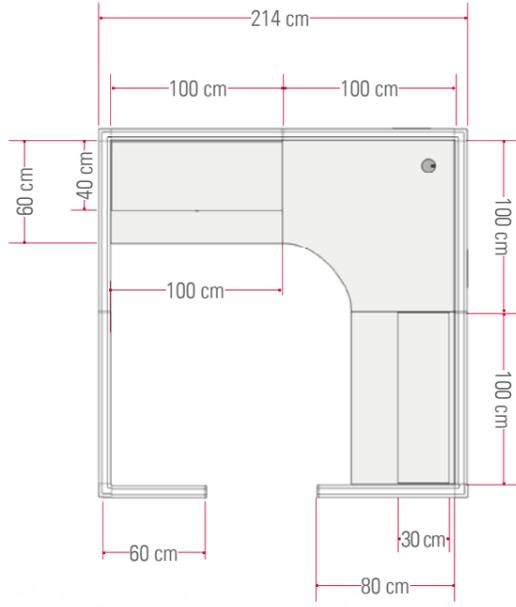
INFORMA



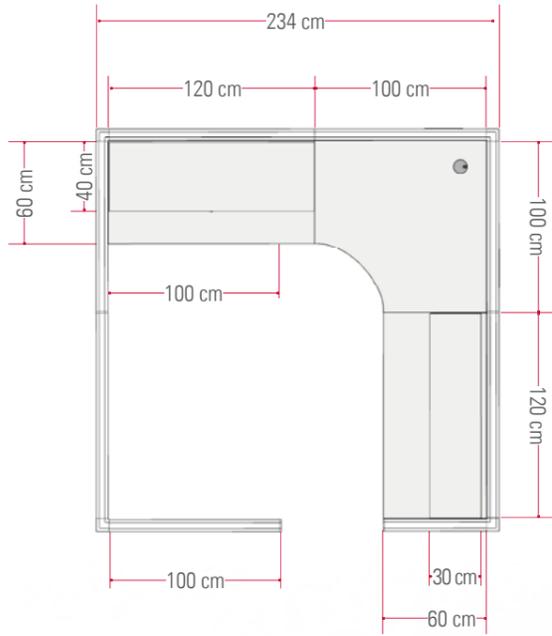
INFORMA
RECEPTION



D500
200 x 200 cm



D500
210 x 210 cm





PRODUCT

ACTIU



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DESKS

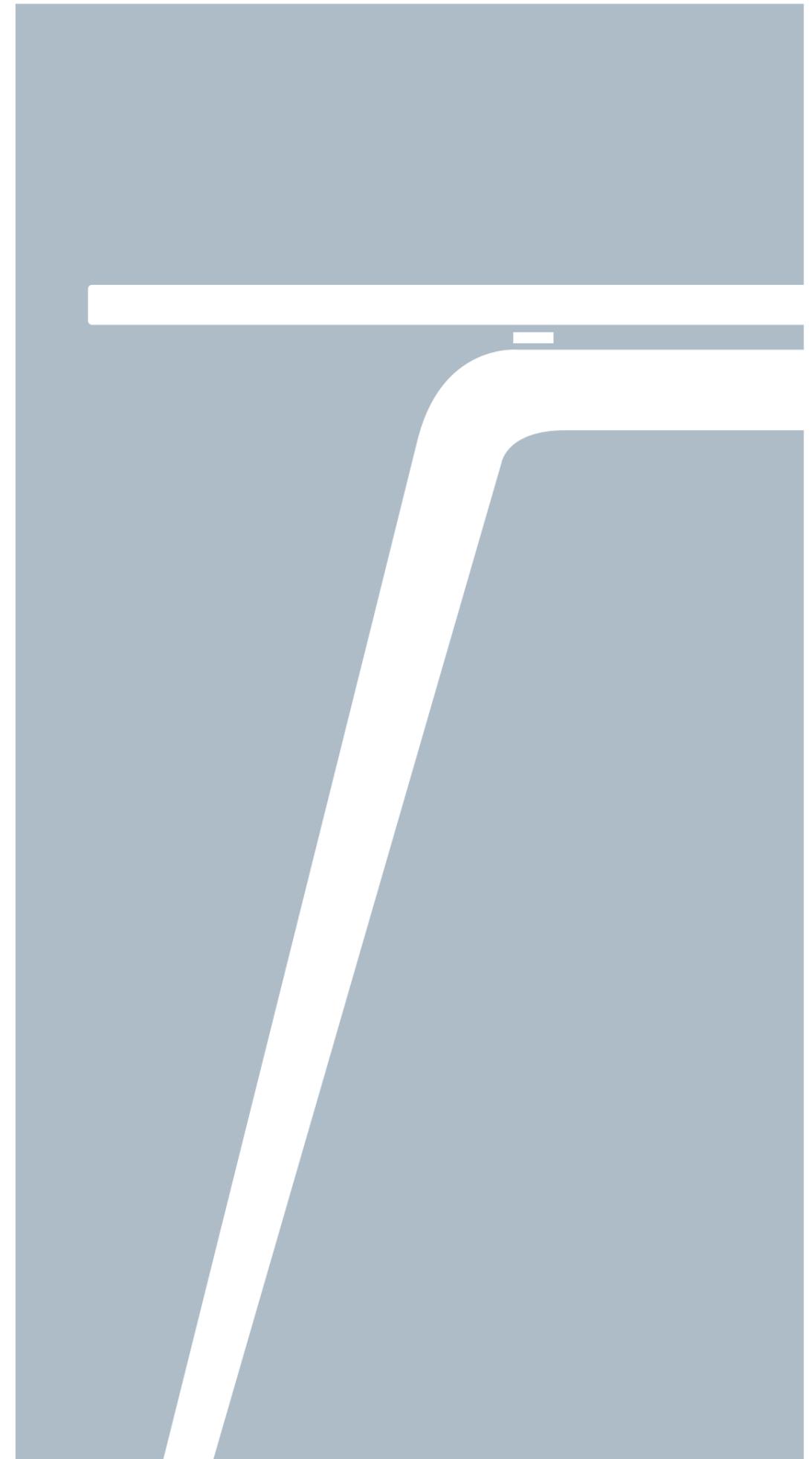
MESAS - TABLES - TISCHE

Activity keeps your creativity awake.

La actividad mantiene despierta tu
creatividad.

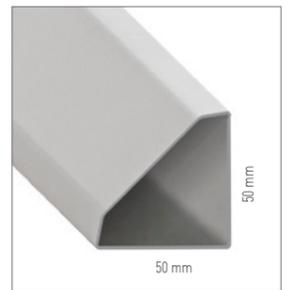
L'activite reveille la creativite.

Aktivität hält deine Kreativität wach.



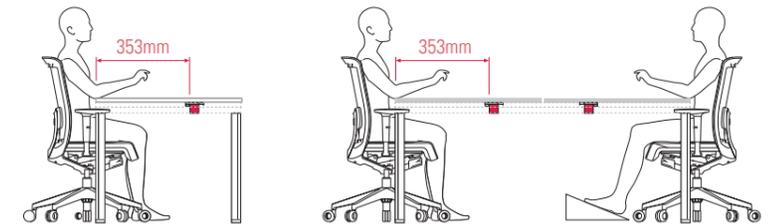
VITAL PLUS ST

by Actiu



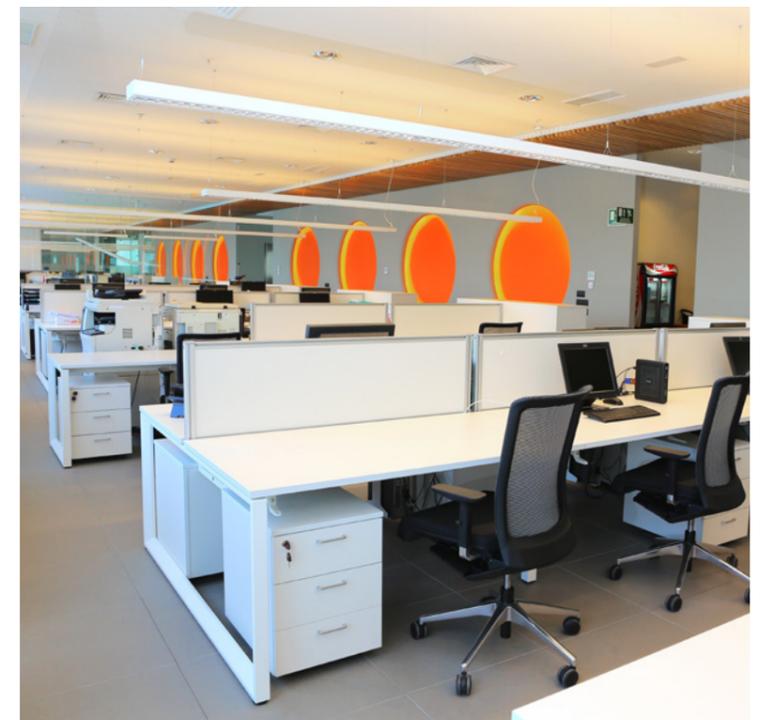
A contemporary aesthetic, balanced, broad in its range and personality that combines maximum operability with angular edge structures. Frame with inverted U shape or loop legs.

Con una estética contemporánea, equilibrio, amplitud en su gama y gran personalidad, combina máxima operatividad con un diseño de estructura de canto angular.



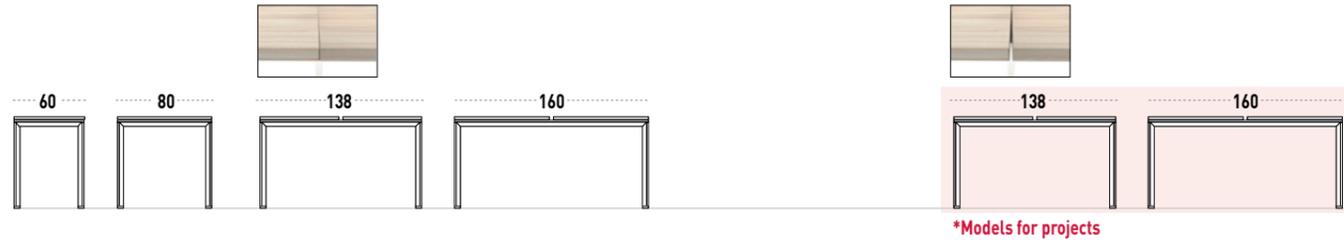
The sliding movement system includes final stoppers and this make possible to stop the top movement as per client needs. It includes an earth connection point to avoid accumulation of electrostatics charges in the workplace.

El sistema de desplazamiento del tablero de mesa, incorpora topes de final de recorrido y se prevé que el mismo quede bloqueado convenientemente. Incorpora un punto de conexión a toma de tierra, para evitar la acumulación de carga electrostática en el puesto de trabajo.

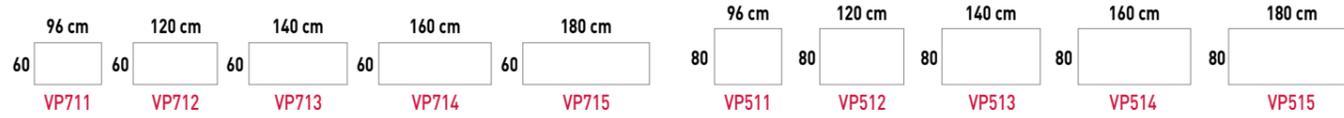




THE VITAL PLUS ST PROGRAM - GOAL POST FRAME



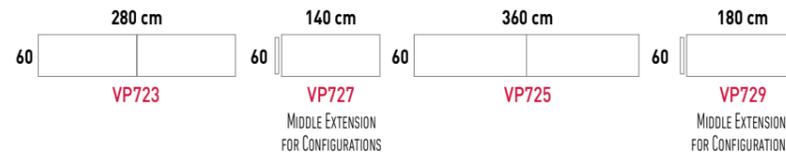
Rectangular Desks



Returns: (For 80 cm. width desks)



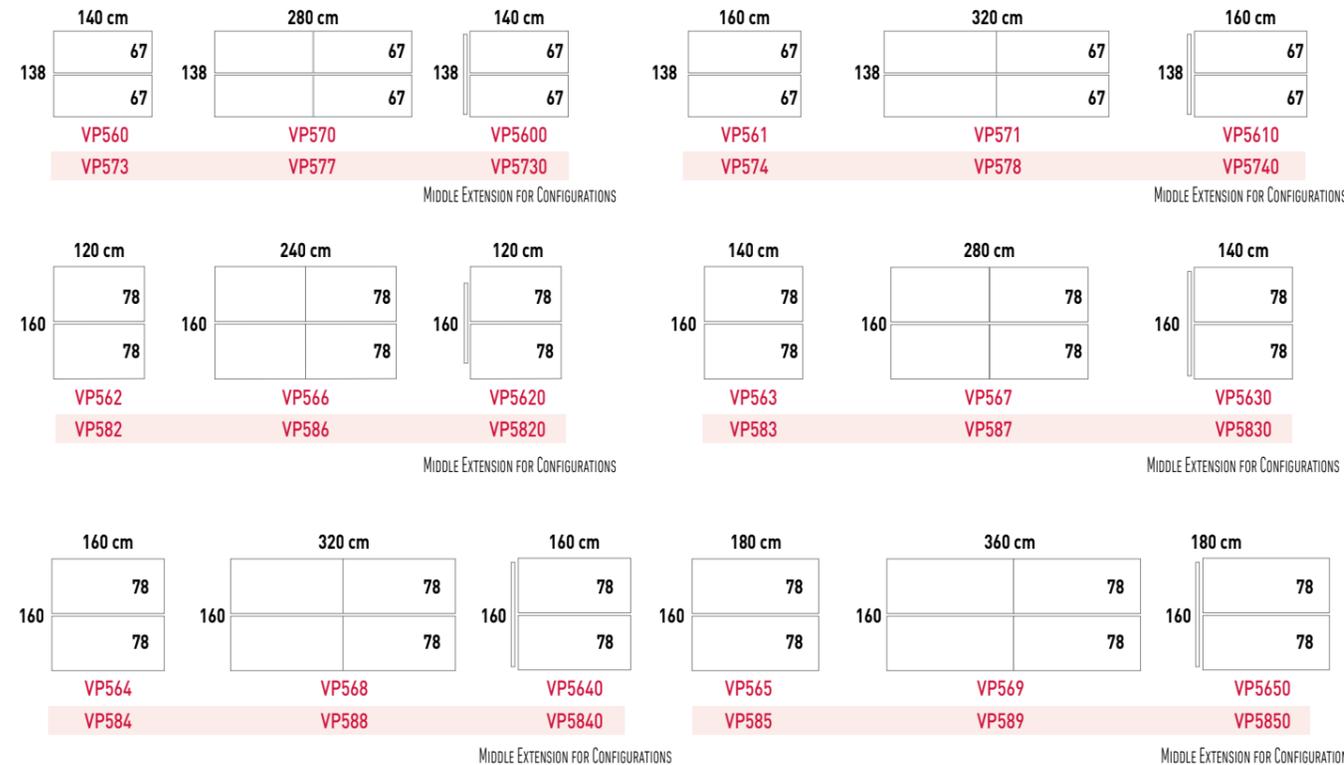
Contract Desks (Sharing middle leg - Progressive system)



Workstation Desks (Sharing middle leg)



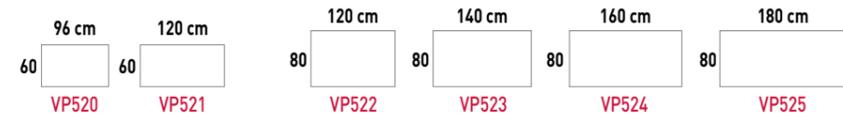
Bench Desks



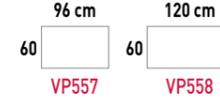
THE VITAL PLUS ST PROGRAM - LOOP FRAME



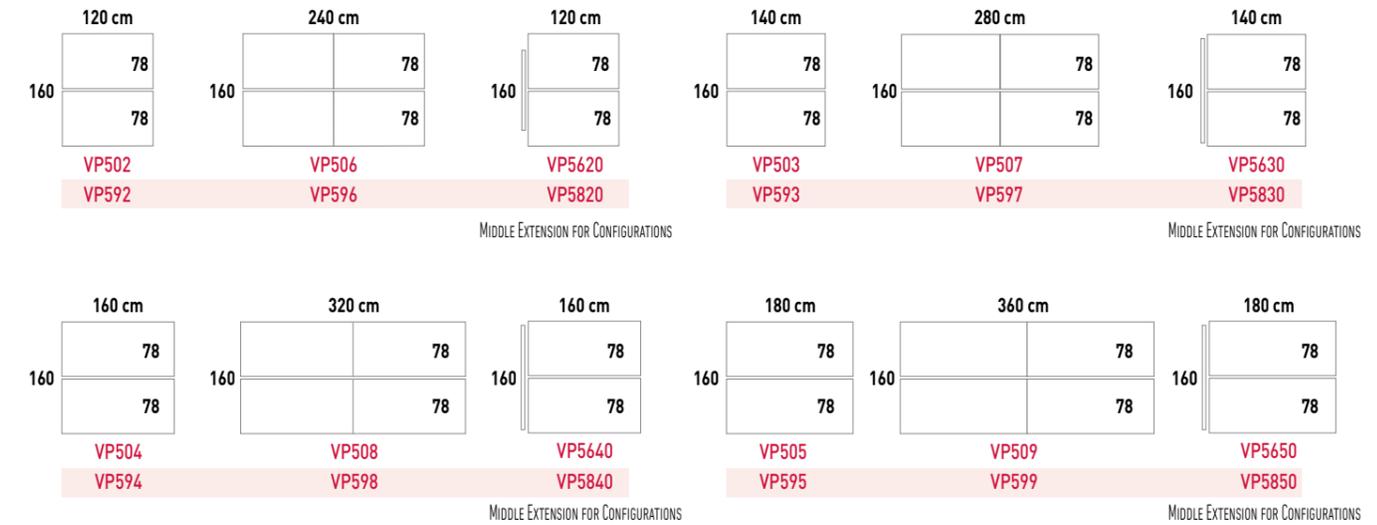
Rectangular Desks



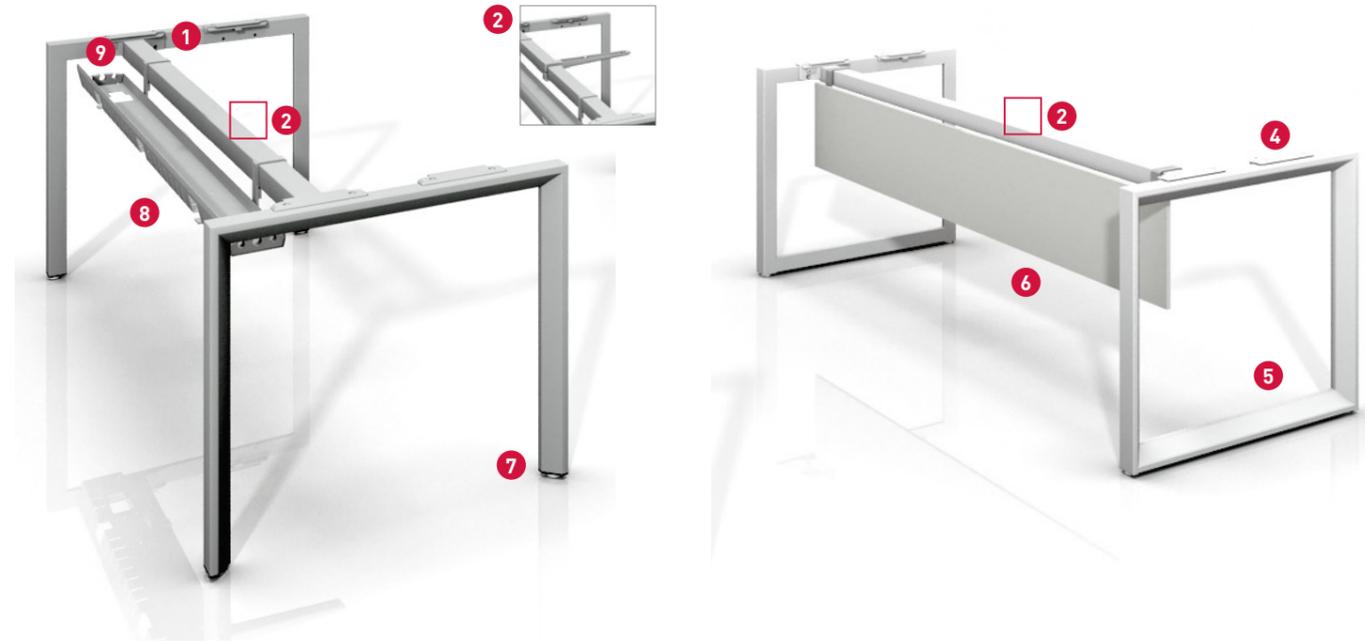
Returns: (For 80 cm. width desks)



Bench Desks

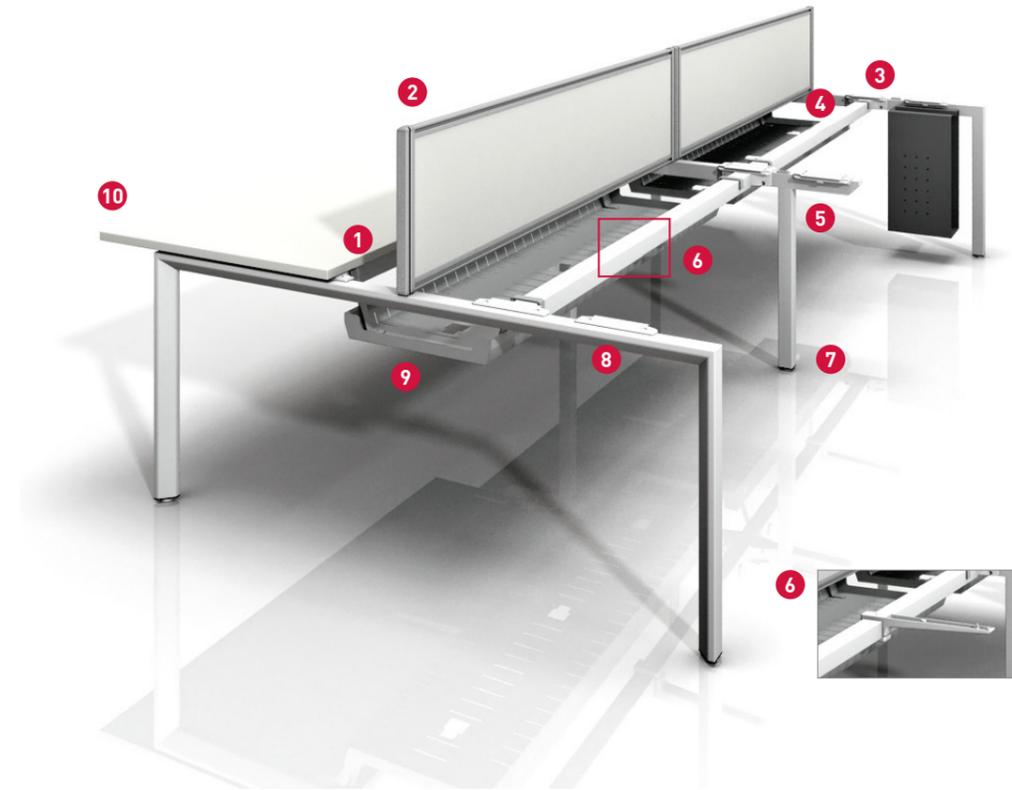


 Single desks



- ① Earth wire system (to avoid electrostatic charge)
- ② Central support arm
(Only for 1800 mm and larger desks or with Compact Laminate surface)
- ③ Surfaces in different colours and finishes
- ④ Sliding runner
- ⑤ Loop frame available in several finishes
- ⑥ Possibility to add accessories to the frame
- ⑦ Leg frame available in several finishes
- ⑧ Cable tray for individual desks
- ⑨ Easy and quick access to cable management

 Bench system desks with recessed legs



- ① Quick and easy access to the electrification tray
- ② Desk-mounted screens
- ③ Earth wire system to avoid electrostatic charge)
- ④ Desk-top sliding lock mechanism
- ⑤ Sliding desk-top runner
- ⑥ Central support arm
(Only 180 cm or more large tables and tables with Compact Laminate surface)
- ⑦ Recessed middle legs for hot desking areas
- ⑧ Sliding desk-top runner
- ⑨ Cable tray for double or individual desks
- ⑩ Work tops available in several finishes and colours

VITAL PLUS - ST

FEATURES OF VITAL PLUS PROGRAM

Sliding tops and access to electrification tray



The structure incorporates a quick shift to allow perfect and quick desk-top installation. Facilitates the movement of the board when they require access to shift system to the high capacity electrification tray, to manage, organise and store the wiring. It also incorporates a security system located at the bottom of the board to manipulate the wiring without risk of accidental crushing.

Two types of frame

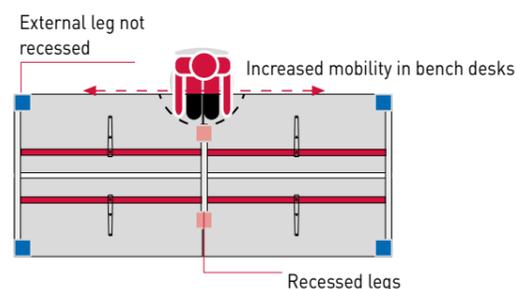
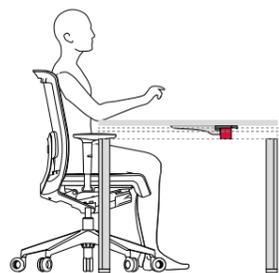


VITAL PLUS - ST has an aesthetic edge profile angle of 50mm in addition to levelling and height adjusters. Additionally, we have two types of structures; legs or closed frame structure. Both models have a recessed beam rail that allows the establishment of independently matching furniture, like columns, cable trays and splits screens, CPU holders and modesty panel (exclusive for individual desks) and can be installed on the rail connecting the tables and legs.

RECESSED BEAMS

Increased functionality with recessed beams:

- Totally accessible to the desk edge with any task chair with arms.
- Avoid any accidental knock
- Recessed legs in progressive desks provide better mobility and dynamism in the work place.

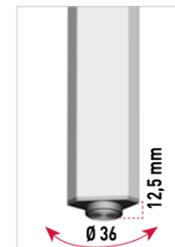


FRAME

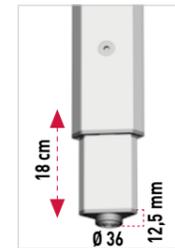


Manufactured with warm laminated steel, 1,8 mm thick. Finishes silver RAL 9006 and white epoxy finish.

LEGS AND SUPPORTS



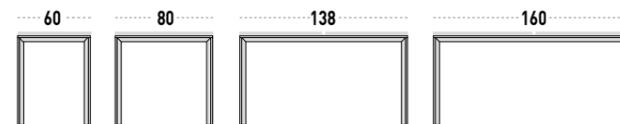
Tables with polypropylene (P.P) leveller of 12,5 mm height, sealed with a cover injection of 36mm. **Total Height: 74cm**



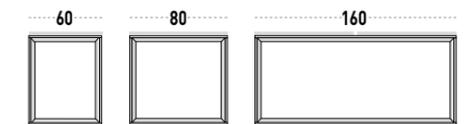
Height adjustable telescopic system, six different positions using the Allen Key and one anti-skid pad. **Total Height: 65,5 - 83,5cm.**

FRAMES AVAILABLE - VITAL PLUS ST

LEG FRAME



LOOP FRAME



SURFACE FINISH OPTIONS FOR VITAL PLUS ST (See finishes cards)

Melamine (25 mm)



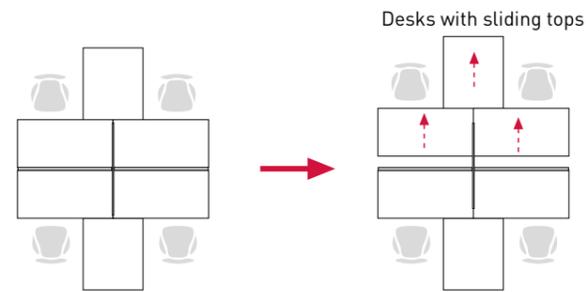
High Pressure Laminate (25 mm)



Compact laminate (13 mm)



Sliding tops and access to electrification channel

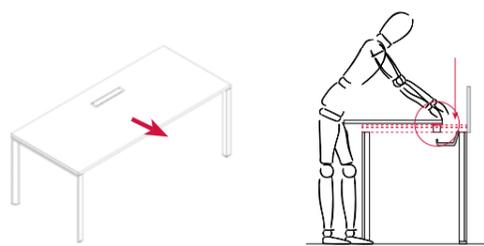


Frame has an efficient device enabling a rapid assembling process with perfect results. Easy to access, organize and store cables in the cable channel. (Electrification Frame manufactured by laminated Steel from 0,7 to 1 mm thick).

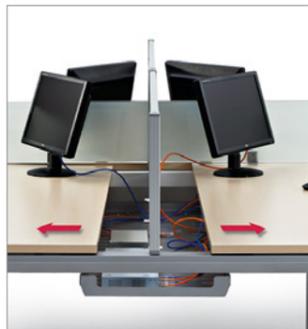
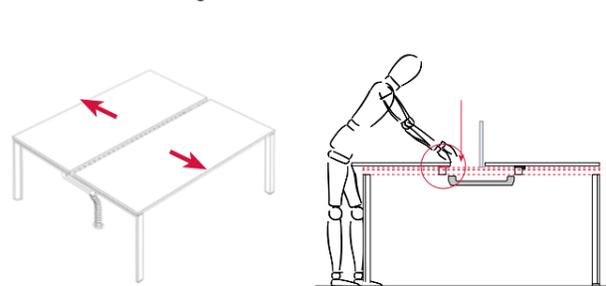
Easy access to the electrification channel

Vital Plus sliding movements towards the user in both double and single desks for an easy access to the electrification channel. In twin desks, the top movement occurs in the opposite direction. In the single desks, it is better to order "Y" tops

Sliding top in single desks (Tables with glass surface cannot be moved)



Sliding top in double desks (Tables with glass surface cannot be moved)



Open and closed security system

Vital Plus has a security system under the top to activate the movement. Likewise, the system can be blocked to manipulate the cables without any risk of accidental top movement.

System for Tables up to 160 cm - MFC and HPL top



Sliding system

Security blockage device

System for Tables 180 cm or more - MFC and HPL top
System for tables with C. Laminate top



Sliding system

Security blockage device

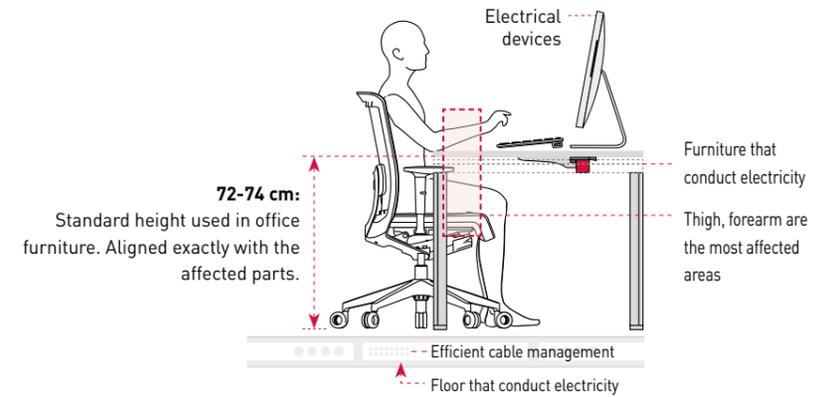
Ergonomics: semicircular lipotrophy

WHAT IS SEMICIRCULAR LIPOATROPHY?

Semicircular lipotrophy mainly affects office workers. The ribs in the thighs are typically between 2cm to 4cm high and are typically located at about 74cm above the ground, which is the standard height of office furniture.

SEMICIRCULAR LIPOATROPHY: CAUSES

- Low humidity
- Concentrated magnetism
- Too many electric devices
- Inadequate furniture
- Faulty cables and earth wire

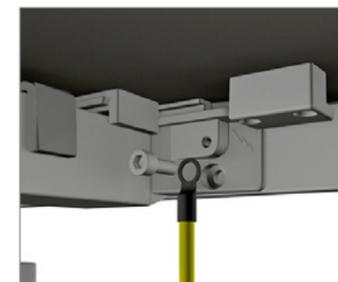


SEMICIRCULAR LIPOATROPHY: WHAT TO DO

CAUTION	AGRAVATING
✓ Materials with no electrostatic charge	✗ Lots of electrostatic charges
✓ Air ionizing	✗ No humidity
✓ Conduct materials well connected to the ground	✗ No control over electromagnetic radiations

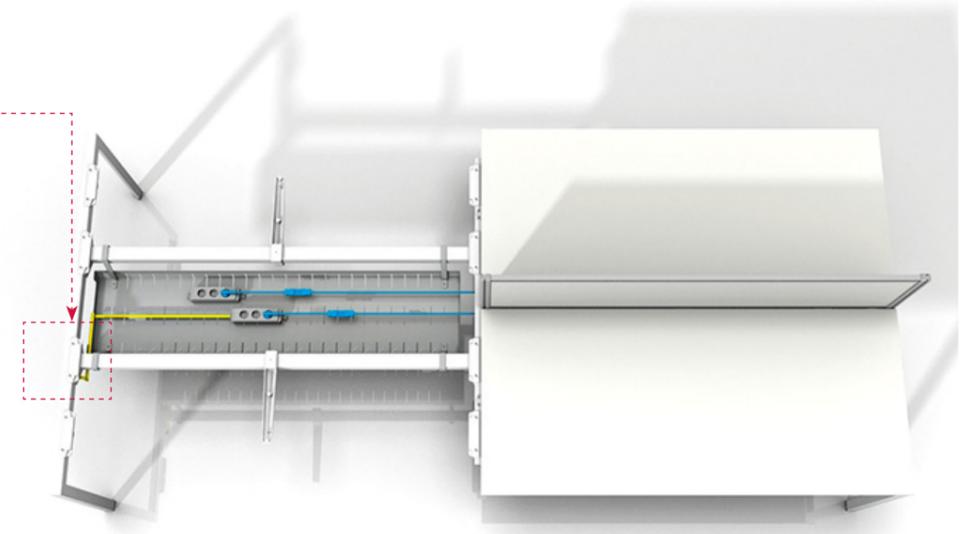
INTEGRATED SYSTEM EARTH WIRE

Electrostatic charge is transferred to the human body by furniture made of electrically conductive materials. To avoid this, Vital Plus ST has a system to connect the frame with an earth wire and **avoid problems with magnetic charges.**



Connection point (To avoid electrostatic charge accumulation)

System Earth wire Cable included in Double and Single electrification trays for Vital Plus ST programme





MATERIALS

Maximum use of materials to eliminate and minimize scraps. Use of recyclable and recycled materials in those components that do not affect the functionality and durability.

45,65%
RECYCLED
MATERIALS



PRODUCTION

Maximum optimization of energy use. Minimal environmental impact. Last generation technological systems. Zero discharge of wastewater. No VOC coatings. Processes free of heavy metals, phosphates, OC and COD.

100%
RECYCLABLE
ALUMINIUM, STEEL
& WOOD



TRANSPORT

Detachable systems. Volumes that facilitate the optimization of space. Maximum reduction of energy consumption by transport.

100%
RECYCLABLE
PACKAGE AND THINNER
FREE



USE

Quality and warranty. Long lasting. Replacements available.

EASY
TO CLEAN
AND MAINTAIN



DISPOSAL

Waste reduction. Supplier-manufacturer packaging reuse system. Components are easy to be separated. Inks in packaging are water-based, without solvents.

97,28%
RECYCLABLE
MATERIALS

CERTIFICATES AND REFERENCES

The different programmes get points in different environmental categories to get the LEED certificate (sustainability, material and resources, water, energy and atmosphere, inner environment quality, innovation and design).



The mark of responsible forestry



PEFC Certificate



ECODESIGN Certificate



ISO 9001 Certificate



ISO 14001 Certificate



E1 Certificate by EN 13986



ACTIU TECHNOLOGY PARK
LEED® PLATINUM certified by USGBC
Leadership in Energy & Environmental Design
LEED® Gold certified 2011 - LEED® Platinum certified 2017

STANDARDS

VITAL PLUS-ST has passed tests done in our technical department as well as the tests done in AIDIMA the Technological Institute for furniture. The tests correspond to UNE standards and office desks:

- **UNE: EN 527-1:2011.** Office Furniture. Desks. **Part 1:** Dimensions.
- **UNE: EN 527-2:2003.** Office Furniture. Desks. **Part 2:** Mechanical security requirements.
- **UNE: EN 527-3:2003.** Office Furniture. Desks. **Part 3:** Test to determine stability and structure resistance.
- **UNE: EN 15372:08.** Office Furniture. Strength, durability and safety. Requirements for domestic use desks. Office Furniture. Desks. **Part 2:** Strength, durability and safety.
- **UNE: EN 1730:13.** Furniture. Tables. Test methods for the determination of stability, strength and durability.
- **UNE: EN14073-2:05.** Office furniture. Tables and desks and storage furniture. Safety requirements.
- **UNE: EN 14073-3:05.** Office furniture. Tables and desks and storage furniture. Test methods for the determination of stability and strength of the structure.
- **UNE: EN 14074:05.** Office furniture. Tables and desks and storage furniture. Test methods for the determination of strength and durability of moving parts.
- **ELECTROSTATIC EN-61340-2-3.** Relaxation time test.

EPD Environmental Product Declaration

VITAL PLUS ST table

Ref. VP5141207

Report Data 06.03.2012

Certificates

ISO 9001:2008
 ISO 14001:2004
 ISO 14006. Ecodiseño
 PEFC. Programme for the Endorsement of Forest Certification
 FSC. Forest Stewardship Council
 GBCe. Green Building Council Spain



1. Details of the system

Type: New Product Redesign Studied Year: 2010

Declaration Scope: From extraction of raw materials to complete desk solution, including end of life. The detail of each of the phases considered and its scope is included below

Materials	Production	Transport	Use	End of life
Including the extraction and processing of raw materials and component sourcing to its delivery at the Actiu Technological Park.	Consider the production and assembly processes used in Actiu.	Includes from the Actiu Technological Park to our customers facilities. Transport is provided through light commercial transport.	This stage has not environmentally relevance for life cycle analysis.	Any product can be disposed of in different ways, or become a resource. Drawing on national average dates, it is supposed that aluminium, wood and cardboard packaging is recycled, while the rest is treated as urban waste.

2. RAW MATERIALS USED FOR THE PRODUCT. Product specifications, including packaging

	KG of product solution	Percentage %	Quality of finishes	
			Production of raw materials	Processed
Wood	20,706	57,64%	Bibliographic data	Bibliographic data
Steel	9,3357	25,99%	Bibliographic data	Bibliographic data
Coarrugated Board	3,484	9,70%	Bibliographic data	Bibliographic data
Others	1,203	3,35%	Bibliographic data	Bibliographic data
Aluminium	0,701	1,95%	Bibliographic data	Bibliographic data
Plastic	0,4948	1,38%	Bibliographic data	Bibliographic data
TOTAL	35,9245	100,00%		
% recycled materials		57,76%		
% recyclable materials		95,27%		

ACTIU product design is made to facilitate the separation of its components and recycling. The product is designed to help companies LEED® certification. You can obtain LEED® credits with our product. On the one hand, contains a high percentage of recycled materials and is manufactured with low emissions to the atmosphere. On the other hand, has been designed with ergonomic standards. Finally, it can be easily recycled because it is designed for disassembly and identification of very simple components. This will help you achieve LEED® credits for employee health and innovation

The verification process life cycle analysis is performed by independent experts in Ecodesign [Consultant Business Area] and using the criteria of the standard ISO 14006 "Ecodesign".

This product has been manufactured at the facilities of ACTIU BERBEGAL Y FORMAS, S.A.

www.actiu.com

VITAL PLUS ST EPD

EPD Environmental Product Declaration



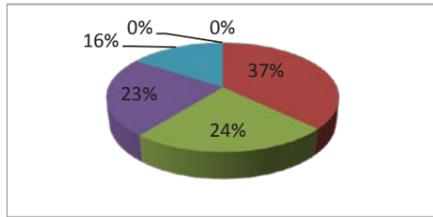
VITAL PLUS ST table

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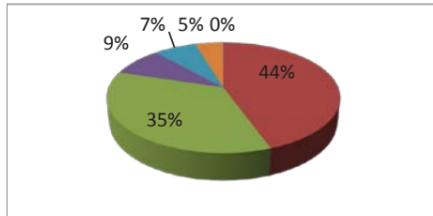
Report Data 06.03.2012

3. Impacts produced by category. Five substances area included in each category have the greatest impact in each category

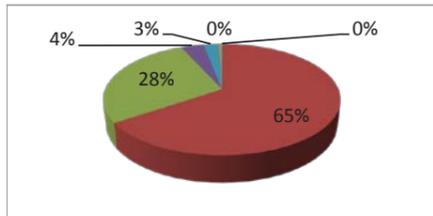
Impact category	Substance	Unit	Total
ACIDIFICATION	Remaining Substances	kg SO2 eq	0,000727167
	Sulfur oxides	kg SO2 eq	0,354982932
	Sulfur dioxide	kg SO2 eq	0,226534513
	Ammonia	kg SO2 eq	0,225804195
	Nitrogen oxides	kg SO2 eq	0,151090219
TOTAL		kg SO2 eq	0,959139025



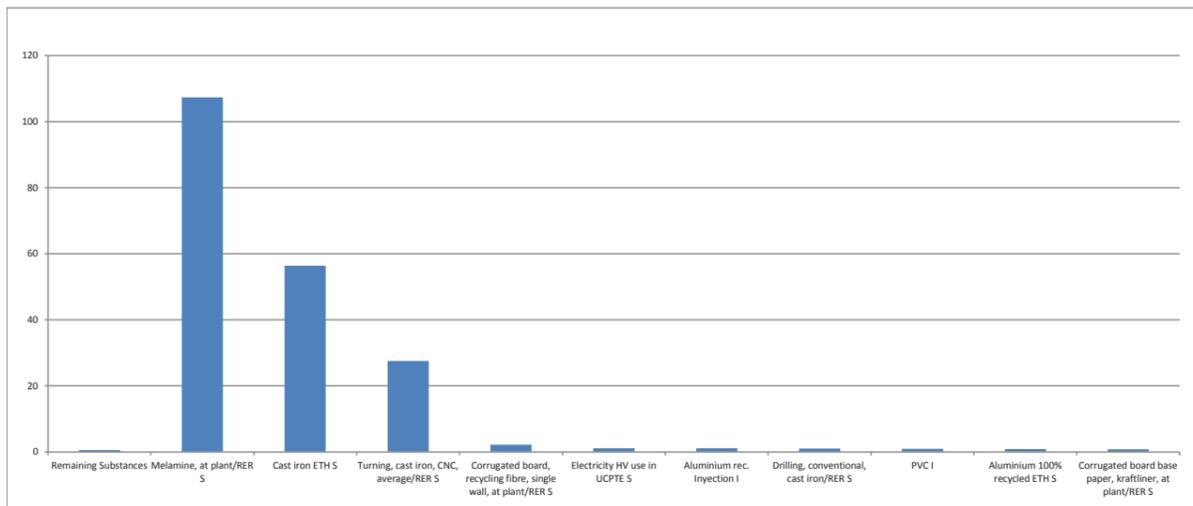
Impact category	Substance	Unit	Total
EUTROFIZATION	Remaining Substances	kg PO4--- eq	8,48672E-05
	Ammonia	kg PO4--- eq	0,049394668
	Nitrogen oxides	kg PO4--- eq	0,039283457
	Phosphate	kg PO4--- eq	0,009435224
	COD, Chemical Oxygen Demand	kg PO4--- eq	0,007868609
	Ammonium, ion	kg PO4--- eq	0,005205803
TOTAL		kg SO2 eq	0,117419369



Impact category	Substance	Unit	Total
GLOBAL WARMING	Remaining Substances	kg CO2 eq	0,397479051
	Carbon dioxide, fossil	kg CO2 eq	130,2946106
	Carbon dioxide	kg CO2 eq	55,46086132
	Methane, fossil	kg CO2 eq	7,422533091
	Methane	kg CO2 eq	5,03468753
	Dinitrogen monoxide	kg CO2 eq	0,978316517
	TOTAL		kg SO2 eq



Impact of group elements (materials, processes, energy, use, transport and waste)



EPD Environmental Product Declaration



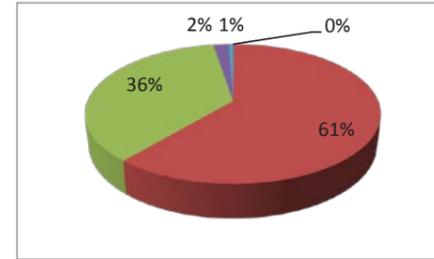
VITAL PLUS ST table

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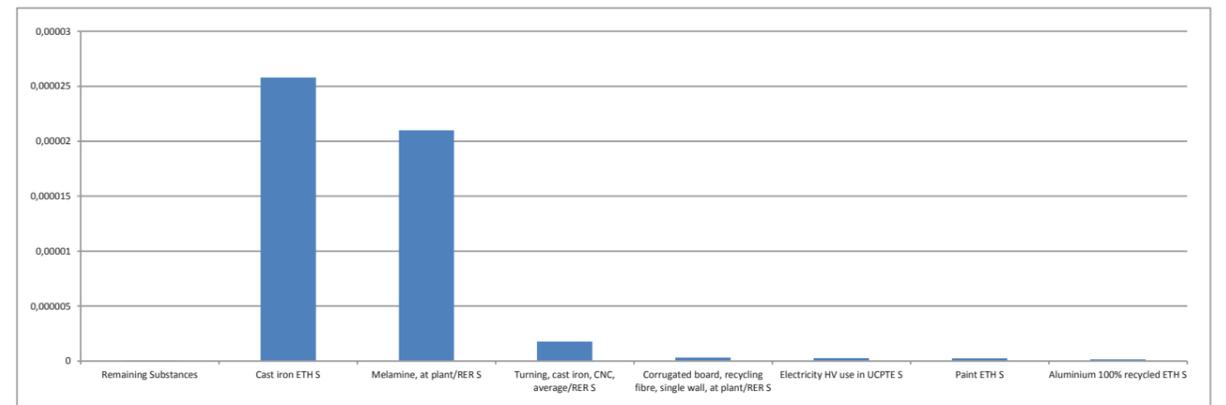
Report Data 06.03.2012

4. Impacts produced by category. Five substances area included in each category have the greatest impact in each category

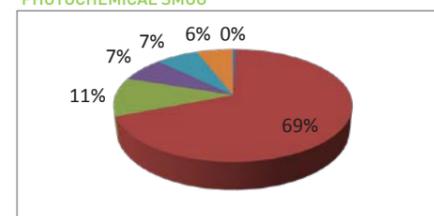
Impact category	Substance	Unit	Total
REDUCING OZONE	Remaining Substances	kg CFC-11 eq	4,84488E-08
	Methane, bromotrifluoro-, Halon 1301	kg CFC-11 eq	3,03995E-05
	Methane, bromochlorodifluoro-, Halon 1211	kg CFC-11 eq	1,80097E-05
	Methane, chlorodifluoro-, HCFC-22	kg CFC-11 eq	1,01641E-06
	Methane, tetrachloro-, CFC-10	kg CFC-11 eq	2,62793E-07
TOTAL		kg SO2 eq	4,97369E-05



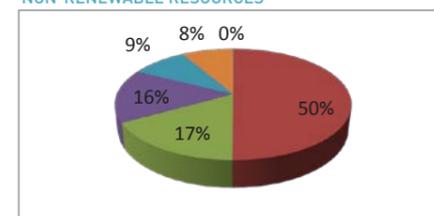
Impact of group elements (materials, processes, energy, use, transport and waste)



Impact category	Substance	Unit	Total
PHOTOCHEMICAL SMOG	Remaining Substances	kg C2H4 eq	0,00068219
	NM VOC, non-methane volatile organics	kg C2H4 eq	0,104954504
	Sulfur oxides	kg C2H4 eq	0,017039181
	Sulfur dioxide	kg C2H4 eq	0,010873657
	Carbon monoxide, fossil	kg C2H4 eq	0,010471608
	Carbon monoxide	kg C2H4 eq	0,009060967
TOTAL		kg SO2 eq	0,166243223



Impact category	Substance	Unit	Total
NON-RENEWABLE RESOURCES	Remaining Substances	MJ eq	3,930794774
	Gas, natural, in ground	MJ eq	1512,718548
	Oil, crude, in ground	MJ eq	508,0351632
	Coal, 18 MJ per kg, in ground	MJ eq	471,855724
	Oil, crude, 42.6 MJ per kg, in ground	MJ eq	274,8664691
	Coal, hard, unspecified, in ground	MJ eq	257,2253642
TOTAL		kg SO2 eq	3558,694251



WASTE	Total NO HAZARDOUS	KG	15,12
	Total HAZARDOUS	KG	0,014

EPD Environmental Product Declaration



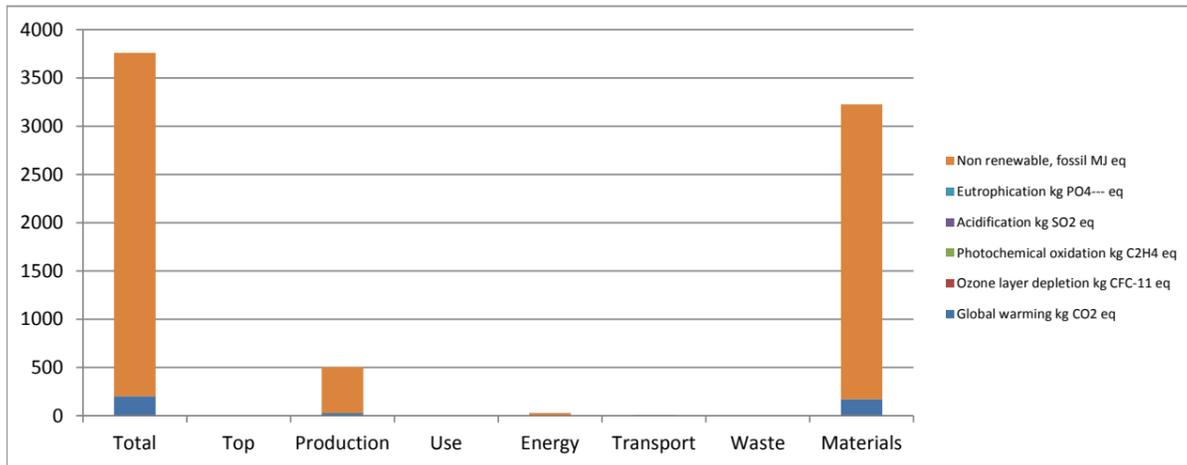
VITAL PLUS ST table

Ref. VP5141207

Report Data 06.03.2012

5. Impact produced by life cycle stage. In includes six stages: Production, Use, Energy, Transport, Waste and Materials.

Impact Category	Uts.	Total	Top	Production	Use	Energy	Trsp.	Waste	Mat.
Global warming	kg CO2 eq	200,7243	0	29,83387	0	1,358652	0,043	0	169,5
Ozone layer depletion	kg CFC-11 eq	0,0000497	0	0,00000185	0	0,00000027	9E-10	0	5E-05
Photochemical oxidation	kg C2H4 eq	0,166243	0	0,020473	0	0,000935	7E-05	0	0,145
Acidification	kg SO2 eq	0,959139	0	0,10917	0	0,008172	7E-04	0	0,841
Eutrophication	kg PO4--- eq	0,117419	0	0,020487	0	0,000347	1E-04	0	0,096
Non renewable, fossil	MJ eq	3558,694	0	474,1536	0	28,57889	0,017	0	3056



EPD Environmental Product Declaration



VITAL PLUS ST table

Ref. VP5141207

Report Data 06.03.2012

6. Ecodesign improvements considered.

ACTIU products are designed considering different environmental strategies. According to their level of complexity, the strategies used are classified into one of the following. Here are some of the choices for ecodesign significant product.

PRODUCT STRATEGY ECODSIGN	CHOICES
Low impact materials selection	<ul style="list-style-type: none"> Designed to be manufactured with 58% recycled materials 100% recycled aluminium Powder paint with no VOC emissions Limitation on use of hazardous substances. Without chromium, mercury, cadmium Board from recycled Wood fibers Adhesives for thickness table set without VOC contents. Sustainable E1 Woods according to EN 13986 / low emissions that do not emit formaldehyde. Recycled cardboard packaging
Optimization of product techniques	<ul style="list-style-type: none"> Optimizing energy use throughout the production process Low manufacturing energy consumption. Minimum environmental impact. Painting processes of high technology systems. Recovery unused paint in the process. Zero emissions of VOCs. Closed water circuits. Heat recovery. Automated manufacturing systems. Planning the cutting process.
Optimization of distribution system	<ul style="list-style-type: none"> Reducing energy. Removable systems. Low volume packaging. Spaces optimization. Saving energy and Flexibility. Modular system adaptable between different models.
Optimization of product life	<ul style="list-style-type: none"> Long life guarantees Adaptability and growth facilities. Replacement parts possibilities. Easy Maintenance
Optimization of the end of system life	<ul style="list-style-type: none"> Easy separation of product components High degree of recyclability of the product: 95% Packaging reuse system between ACTIU and its providers to avoid waste generation

Bibliography and references

- ISO 14025 Environmental labels and declarations - Type III
- UNE-EN-ISO 150301:2003 "Ecodesign".
- ISO 14006 "Ecodesign"
- ISO 14006 "Ecodesign"
- Environmental impacts methods
- Data base: ETH-ESU System processes, Ecoinvent system processes, IDEMAT, EDIP, IPCC, Ecological Scarcity 2006.

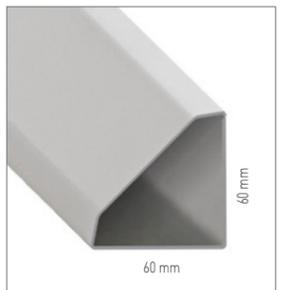
VITAL PLUS 60

by Actiu



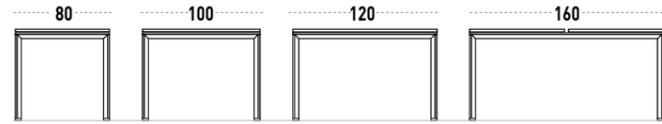
Vital Plus combines the maximum operation of the user with movable panel systems with the option of a frame with feet or a closed frame.

Vital Plus combina la máxima operatividad del usuario con sistemas de tablero desplazable con la opción de estructura de patas o estructura de marco cerrado.

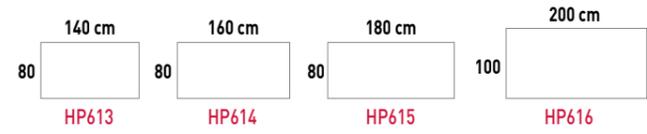




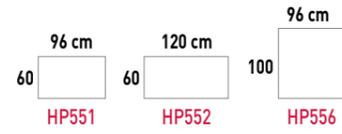
THE VITAL PLUS 60 PROGRAM - STRUCTURE WITH LEG FRAME



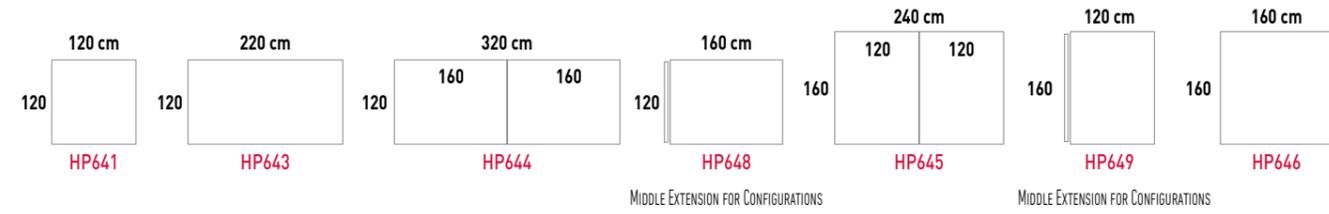
Rectangular Desks



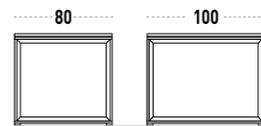
Returns: (For 80 cm. and 100 cm. width desks)



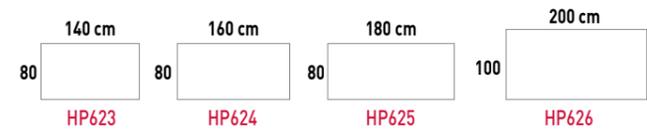
Meeting Desks



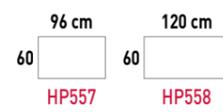
THE VITAL PLUS 60 PROGRAM - STRUCTURE WITH LOOP FRAME



Rectangular Desks

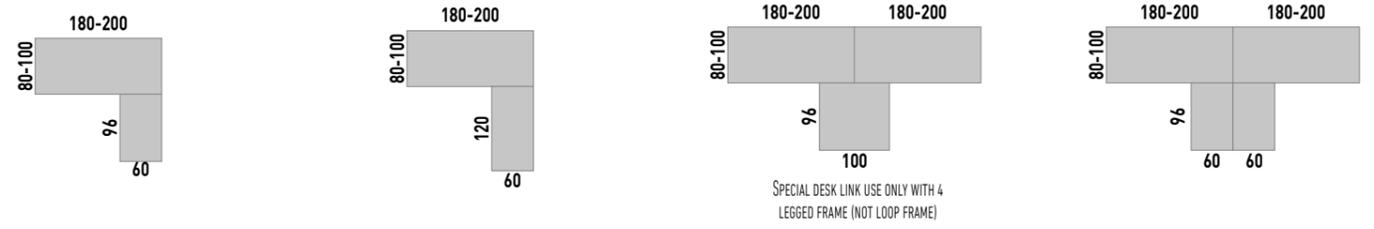


Returns: (For 80 cm. and 100 cm. width desks)

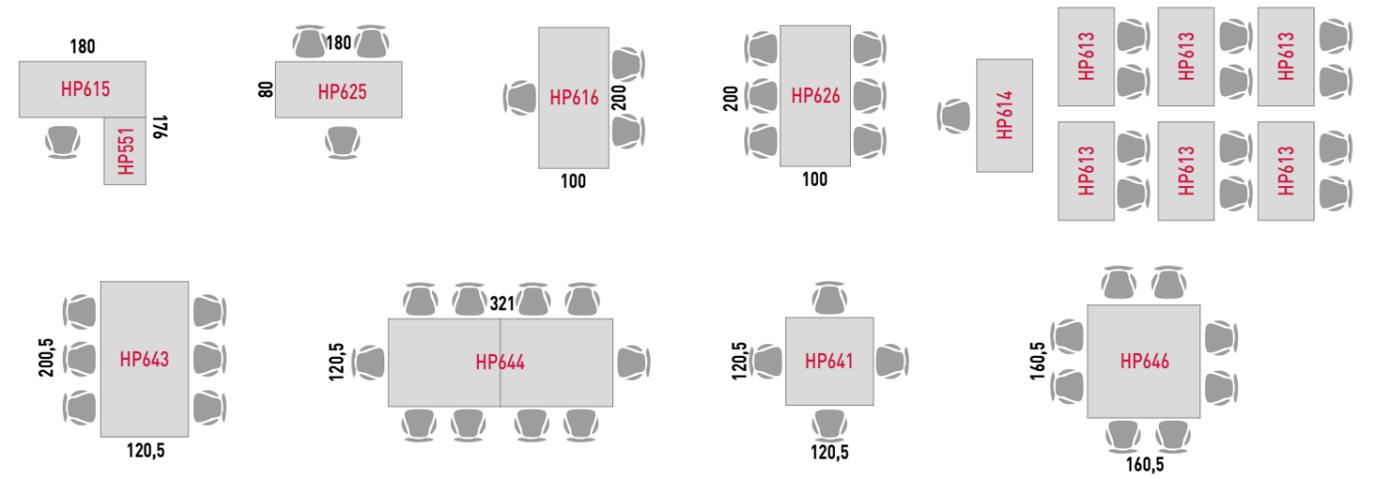


RECOMMENDED LAYOUTS TO DESK-RETURNS AND DESK LINKS

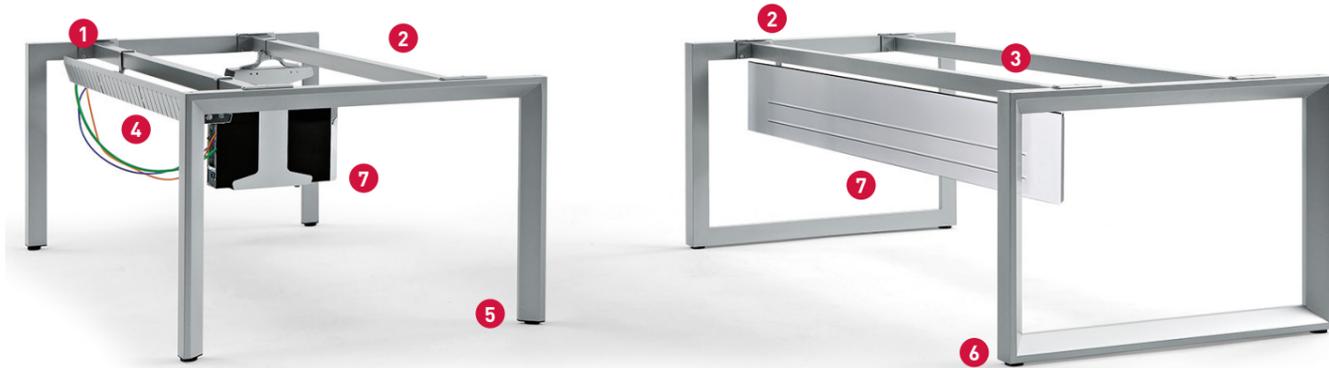
RECTANGULAR DESKS WITH DESK LINKS - LEG AND LOOP FRAME STYLE



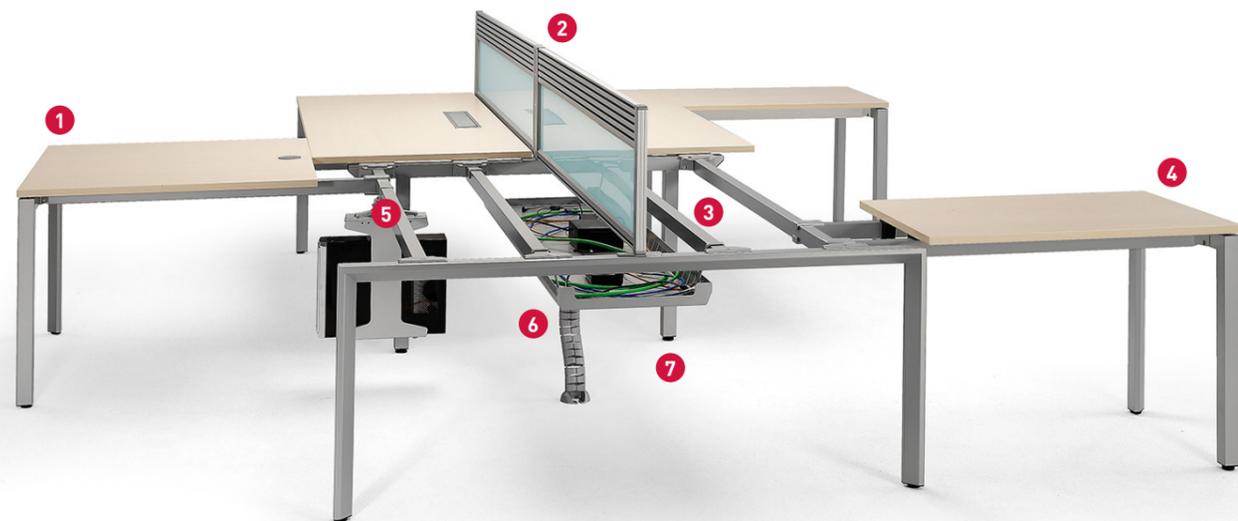
RECTANGULAR AND MEETING DESKS



60 Single desks



- 1 Easy and quick access to cable management
- 2 Recessed beams
-21 cm in 100 cm width desks
-21 cm in 80 cm width desks
-14,5 cm in 67 cm width desks
-13,5 cm in 60 cm width desks
- 3 Surfaces with different colours and finishes
- 4 Electrification tray for single desks
- 5 Legs profile in different finishes
- 6 Loop frame available in several finishes
- 7 Possible to fix accessories to the frame



- 1 Work tops available in several finishes and colours
- 2 Split screens or desk-mounted screens
- 3 Quick and easy access to the cable tray
- 4 Sliding tops for desks and returns
- 5 Security blockage device
- 6 Electrification tray for double or individual desks
- 7 Recessed middle legs for hot desking areas

60 VITAL PLUS 60

FEATURES OF VITAL PLUS PROGRAM

Sliding tops and access to electrification tray

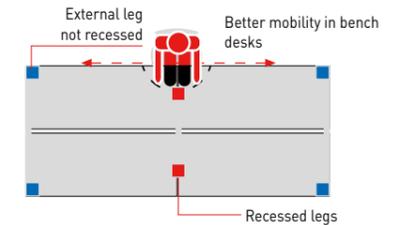


The structure incorporates a quick shift to allow perfect and rapid placement of the work surface assembly. Facilitates the movement of the board when they require access to the high capacity electrification tray, to manage, organise and store the wiring. It also incorporates a security system located at the bottom of the board to manipulate the wiring without risk of accidental crushing.

RECESSED BEAMS

Better functionality with recessed beams:

- Totally accessible to the desk edge with any task chair with arms.
- Avoid any knock by accident.
- Recessed legs in progressive and desks provide better mobility and dynamism in the work place.

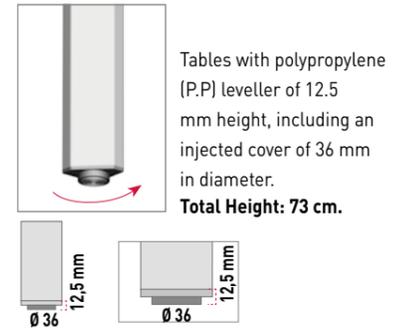


FRAME



Manufactured with Warm Laminated steel, 1,5 mm thick. Finishes silver RAL 9006, white epoxy finish and chrome.

LEGS AND SUPPORTS



FRAMES AVAILABLE - VITAL PLUS 60

LEG FRAME



LOOP FRAME

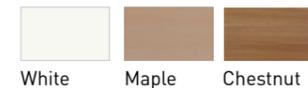


SURFACE FINISH OPTIONS FOR VITAL PLUS 60 (See finishes cards)

Melamine (25 mm)



High Pressure Laminate (25 mm)



Compact laminate (13 mm)



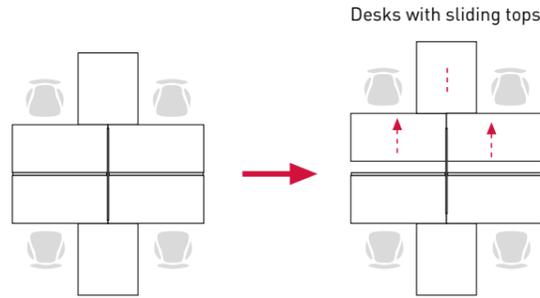
Glass (10 mm)



Sliding tops and access to electrification tray

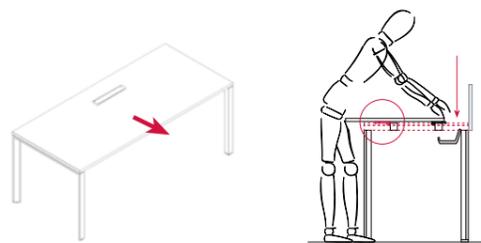


Frame has a quick device to get a perfect and rapid top assembling. Easy to access, organise and store cables in the cable channel. **[Electrification Frame manufactured by laminated Steel from 0,7 to 1 mm thickness].**

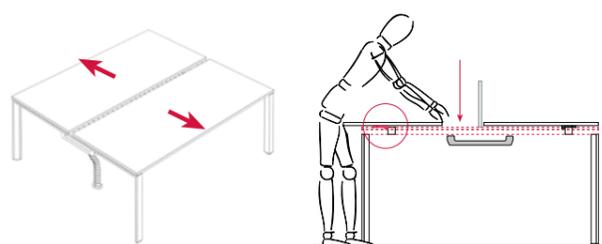


Easy access to the electrification channel. Vital Plus sliding movements are towards the user in both double and single desks, allowing easy access to the electrification channel. In twin desks, the top movement shifts in the opposite direction. In the single desks, it is better to order "Y" tops.

Sliding top in single desks
(Tables with glass surface can not be moved)



Sliding top in double desks
(Tables with glass surface can not be moved)



Open and close security system

Vital Plus has a security system under the top to activate the movement. Likewise, system can be blocked to manipulate the cables without any risk of top movement by accident.



Sliding system



Security Blockage Device



MATERIALS

Maximum use of materials to eliminate and minimize scraps. Use of recyclable and recycled materials in those components that do not affect the functionality and durability.

60,62%
RECYCLABLE
MATERIALS



PRODUCTION

Maximum optimization of energy use. Minimal environmental impact. Last generation technological systems. Zero discharge of wastewater. No VOC coatings. Processes free of heavy metals, phosphates, OC and COD.

100%
RECYCLABLE
ALUMINIUM, STEEL
& WOOD



TRANSPORT

Detachable systems. Volumes that facilitate the optimization of space. Maximum reduction of energy consumption by transport.

100%
RECYCLABLE
PACKAGE AND THINNER
FREE



USE

Quality and warranty. Long lasting. Replacements available.

EASY
TO CLEAN
AND MAINTAIN



DISPOSAL

Waste reduction. Supplier-manufacturer packaging reuse system. Components are easy to be separated. Inks in packaging are water-based, without solvents.

95,27%
RECYCLABLE
MATERIALS

CERTIFICATES AND REFERENCES

The different programmes get points in different environmental categories to get the LEED certificate (sustainability, material and resources, water, energy and atmosphere, inner environment quality, innovation and design).



STANDARDS

VITAL PLUS 60 has passed tests done in our technical department as well as the tests done in AIDIMA the Technological Institute for furniture. The tests correspond to UNE standards and office desks:

- **UNE: EN 527-1:2011.** Office Furniture. Desks. **Part 1:** Dimensions.
- **UNE: EN 527-2:2003.** Office Furniture. Desks. **Part 2:** Mechanical security requirements.
- **UNE: EN 527-3:2003.** Office Furniture. Desks. **Part 3:** Test to determine stability and structure resistance.
- **UNE: EN 15372:08.** Office Furniture. Strength, durability and safety. Requirements for domestic use desks. Office Furniture. Desks. **Part 2:** Strength, durability and safety.
- **UNE: EN 1730:13.** Furniture. Tables. Test methods for the determination of stability, strength and durability.
- **UNE: EN14073-2:05.** Office furniture. Tables and desks and storage furniture. Safety requirements.
- **UNE: EN 14073-3:05.** Office furniture. Tables and desks and storage furniture. Test methods for the determination of stability and strength of the structure.
- **UNE: EN 14074:05.** Office furniture. Tables and desks and storage furniture. Test methods for the determination of strength and durability of moving parts.

EPD Environmental Product Declaration

VITAL PLUS 60 table

Ref. HP6141000

Report Data 06.03.2012

Certificates

ISO 9001:2008
 ISO 14001:2004
 ISO 14006. Ecodiseño
 PEFC. Programme for the Endorsement of Forest Certification
 FSC. Forest Stewardship Council
 GBCe. Green Building Council Spain



1. Details of the system

Type: New Product Redesign Studied Year: 2010

Declaration Scope: From extraction of raw materials to complete desk solution, including end of life. The detail of each of the phases considered and its scope is included below

Materials	Production	Transport	Use	End of life
Including the extraction and processing of raw materials and component sourcing to its delivery at the Actiu Technological Park.	Consider the production and assembly processes used in Actiu.	Includes from the Actiu Technological Park to our customers facilities. Transport is provided through light commercial transport.	This stage has not environmental relevance for life cycle analysis.	Any product can be disposed of in different ways, or become a resource. Drawing on national average dates, it is supposed that aluminium, wood and cardboard packaging is recycled, while the rest is treated as urban waste.

2. RAW MATERIALS USED FOR THE PRODUCT. Product specifications, including packaging

	KG of product solution	Percentage %	Quality of finishes	
			Production of raw materials	Processed
Wood	20,706	57,64%	Bibliographic data	Bibliographic data
Steel	9,3357	25,99%	Bibliographic data	Bibliographic data
Coarrugated Board	3,484	9,70%	Bibliographic data	Bibliographic data
Others	1,203	3,35%	Bibliographic data	Bibliographic data
Aluminium	0,701	1,95%	Bibliographic data	Bibliographic data
Plastic	0,4948	1,38%	Bibliographic data	Bibliographic data
TOTAL	35,9245	100,00%		
% recycled materials		57,76%		
% recyclable materials		95,27%		

ACTIU product design is made to facilitate the separation of its components and recycling. The product is designed to help companies LEED® certification. You can obtain LEED® credits with our product. On the one hand, contains a high percentage of recycled materials and is manufactured with low emissions to the atmosphere. On the other hand, has been designed with ergonomic standards. Finally, it can be easily recycled because it is designed for disassembly and identification of very simple components. This will help you achieve LEED® credits for employee health and innovation

The verification process life cycle analysis is performed by independent experts in Ecodesign [Consultant Business Area] and using the criteria of the standard ISO 14006 "Ecodesign".

This product has been manufactured at the facilities of ACTIU BERBEGAL Y FORMAS, S.A.

www.actiu.com

VITAL PLUS 60 EPD

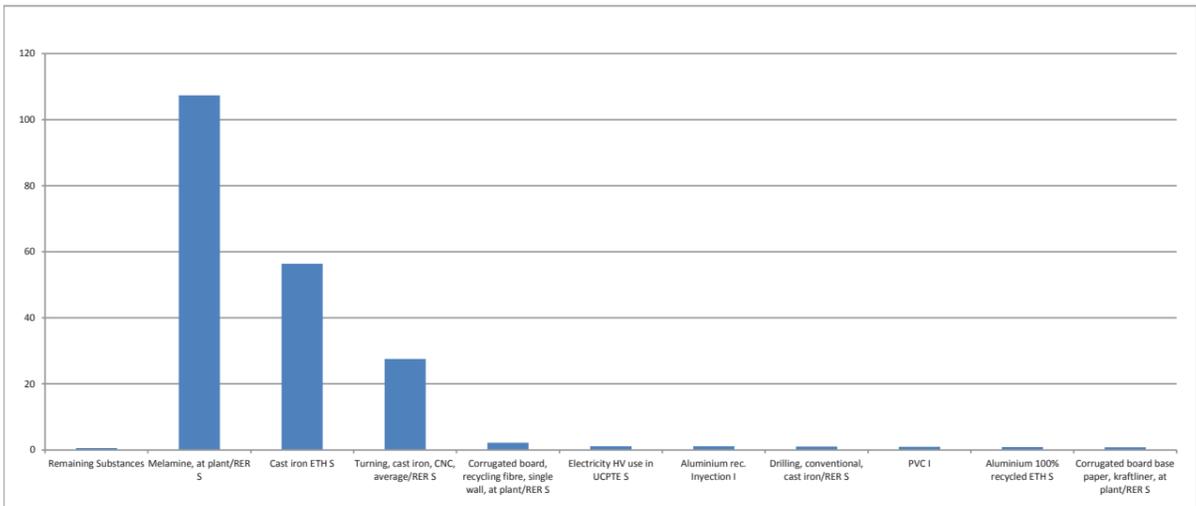
3. Impacts produced by category. Five substances area included in each category have the greatest impact in each category

Impact category	Substance	Unit	Total
ACIDIFICATION	Remaining Substances	kg SO2 eq	0,000727167
	Sulfur oxides	kg SO2 eq	0,354982932
	Sulfur dioxide	kg SO2 eq	0,226534513
	Ammonia	kg SO2 eq	0,225804195
	Nitrogen oxides	kg SO2 eq	0,151090219
TOTAL		kg SO2 eq	0,959139025

Impact category	Substance	Unit	Total
EUTROFIZATION	Remaining Substances	kg PO4--- eq	8,48672E-05
	Ammonia	kg PO4--- eq	0,049394668
	Nitrogen oxides	kg PO4--- eq	0,039283457
	Phosphate	kg PO4--- eq	0,009435224
	COD, Chemical Oxygen Demand	kg PO4--- eq	0,007868609
	Ammonium, ion	kg PO4--- eq	0,005205803
TOTAL		kg SO2 eq	0,117419369

Impact category	Substance	Unit	Total
GLOBAL WARMING	Remaining Substances	kg CO2 eq	0,397479051
	Carbon dioxide, fossil	kg CO2 eq	130,2946106
	Carbon dioxide	kg CO2 eq	55,46086132
	Methane, fossil	kg CO2 eq	7,422533091
	Methane	kg CO2 eq	5,03468753
	Dinitrogen monoxide	kg CO2 eq	0,978316517
	TOTAL		kg SO2 eq

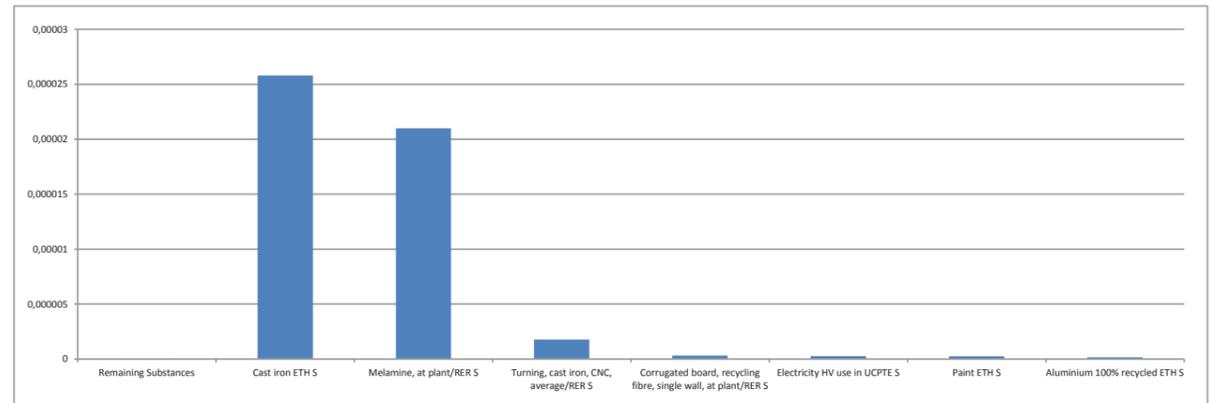
Impact of group elements (materials, processes, energy, use, transport and waste)



4. Impacts produced by category. Five substances area included in each category have the greatest impact in each category

Impact category	Substance	Unit	Total
REDUCING OZONE	Remaining Substances	kg CFC-11 eq	4,84488E-08
	Methane, bromotrifluoro-, Halon 1301	kg CFC-11 eq	3,03995E-05
	Methane, bromochlorodifluoro-, Halon 1211	kg CFC-11 eq	1,80097E-05
	Methane, chlorodifluoro-, HCFC-22	kg CFC-11 eq	1,01641E-06
	Methane, tetrachloro-, CFC-10	kg CFC-11 eq	2,62793E-07
	TOTAL		kg SO2 eq

Impact of group elements (materials, processes, energy, use, transport and waste)



Impact category	Substance	Unit	Total
PHOTOCHEMICAL SMOG	Remaining Substances	kg C2H4 eq	0,00068219
	NM VOC, non-methane volatile organics	kg C2H4 eq	0,104954504
	Sulfur oxides	kg C2H4 eq	0,017039181
	Sulfur dioxide	kg C2H4 eq	0,010873657
	Carbon monoxide, fossil	kg C2H4 eq	0,010471608
	Carbon monoxide	kg C2H4 eq	0,009060967
TOTAL		kg SO2 eq	0,166243223

Impact category	Substance	Unit	Total
NON-RENEWABLE RESOURCES	Remaining Substances	MJ eq	3,930794774
	Gas, natural, in ground	MJ eq	1512,718548
	Oil, crude, in ground	MJ eq	508,0351632
	Coal, 18 MJ per kg, in ground	MJ eq	471,855724
	Oil, crude, 42.6 MJ per kg, in ground	MJ eq	274,8664691
	Coal, hard, unspecified, in ground	MJ eq	257,2253642
TOTAL		kg SO2 eq	3558,694251

WASTE	Total NO HAZARDOUS	KG	15,12
	Total HAZARDOUS	KG	0,014

EPD Environmental Product Declaration



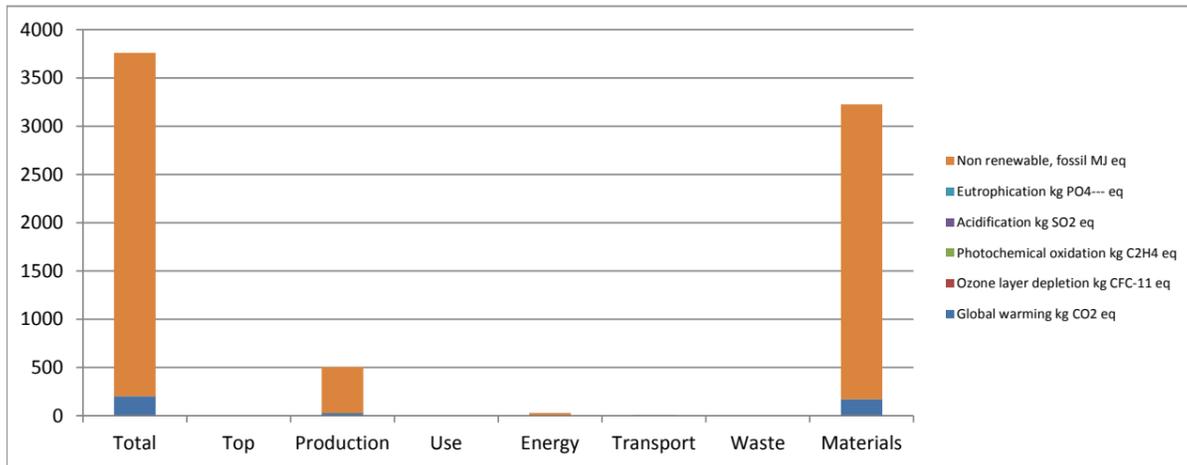
VITAL PLUS 60 table

Ref. HP6141000

Report Data 06.03.2012

5. Impact produced by life cycle stage. In includes six stages: Production, Use, Energy, Transport, Waste and Materials.

Impact Category	Uts.	Total	Top	Production	Use	Energy	Trsp.	Waste	Mat.
Global warming	kg CO2 eq	200,7243	0	29,83387	0	1,358652	0,043	0	169,5
Ozone layer depletion	kg CFC-11 eq	0,0000497	0	0,00000185	0	0,00000027	9E-10	0	5E-05
Photochemical oxidation	kg C2H4 eq	0,166243	0	0,020473	0	0,000935	7E-05	0	0,145
Acidification	kg SO2 eq	0,959139	0	0,10917	0	0,008172	7E-04	0	0,841
Eutrophication	kg PO4--- eq	0,117419	0	0,020487	0	0,000347	1E-04	0	0,096
Non renewable, fossil	MJ eq	3558,694	0	474,1536	0	28,57889	0,017	0	3056



EPD Environmental Product Declaration



VITAL PLUS 60 table

Ref. HP6141000

Report Data 06.03.2012

6. Ecodesign improvements considered.

ACTIU products are designed considering different environmental strategies. According to their level of complexity, the strategies used are classified into one of the following. Here are some of the choices for ecodesign significant product.

PRODUCT STRATEGY ECODSIGN	CHOICES
Low impact materials selection	Designed to be manufactured with 58% recycled materials
	100% recycled aluminium
	Powder paint with no VOC emissions
	Limitation on use of hazardous substances. Without chromium, mercury, cadmium
Optimization of product techniques	Board from recycled Wood fibers
	Adhesives for thickness table set without VOC contents.
	Sustainable E1 Woods according to EN 13986 / low emissions that do not emit formaldehyde.
	Recycled cardboard packaging
Optimization of distribution system	Optimizing energy use throughout the production process
	Low manufacturing energy consumption. Minimum environmental impact.
	Painting processes of high technology systems.
	Recovery unused paint in the process. Zero emissions of VOCs.
Optimization of product life	Closed water circuits. Heat recovery.
	Automated manufacturing systems. Planning the cutting process.
	Reducing energy. Removable systems. Low volume packaging. Spaces optimization.
	Saving energy and Flexibility. Modular system adaptable between different models.
Optimization of the end of system life	Long life guarantees
	Adaptability and growth facilities.
	Replacement parts possibilities.
	Easy Maintenance
	Easy separation of product components
	High degree of recyclability of the product. 95%
	Packaging reuse system between ACTIU and its providers to avoid waste generation

Bibliography and references

- ISO 14025 Environmental labels and declarations - Type III
- UNE-EN-ISO 150301:2003 "Ecodesign".
- ISO 14006 "Ecodesign"
- ISO 14006 "Ecodesign"
- Environmental impacts methods
- Data base: ETH-ESU System processes, Ecoinvent system processes, IDEMAT, EDIP, IPCC, Ecological Scarcity 2006.



**DISTRIBUTIONAL
ORGANIZATION
OF WORKSPACE**

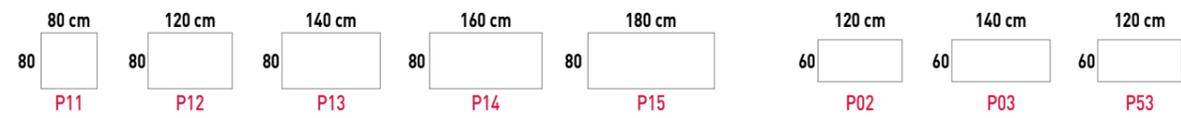


Ofimat is more than an operative workstation, which provides you specific solutions for reception areas, telemarketing, meeting rooms, managers, home offices, and so on with all things you need.

Ofimat es más que un sistema de trabajo operativo, aportando soluciones específicas para espacios de recepción, telemarketing, reunión, dirección, home office,...con las prestaciones funcionales necesarias en cada caso.



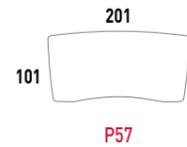
60 AND 80 cm RECTANGULAR DESKS



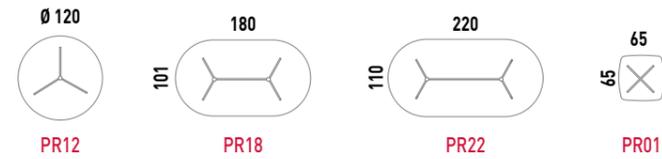
CRESCENT DESKS



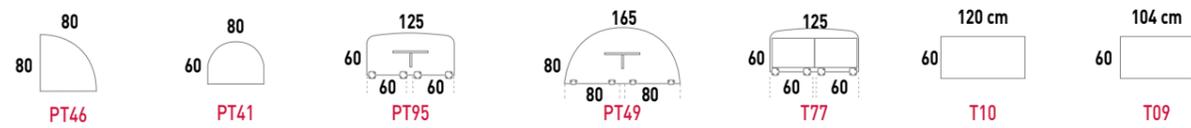
EXECUTIVE DESKS



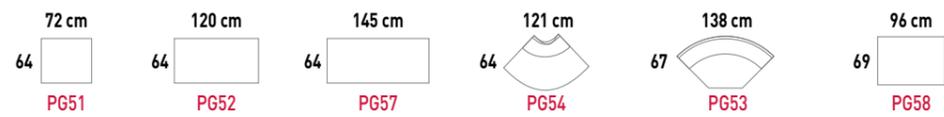
MEETING ROOM TABLES AND COFFEE TABLES



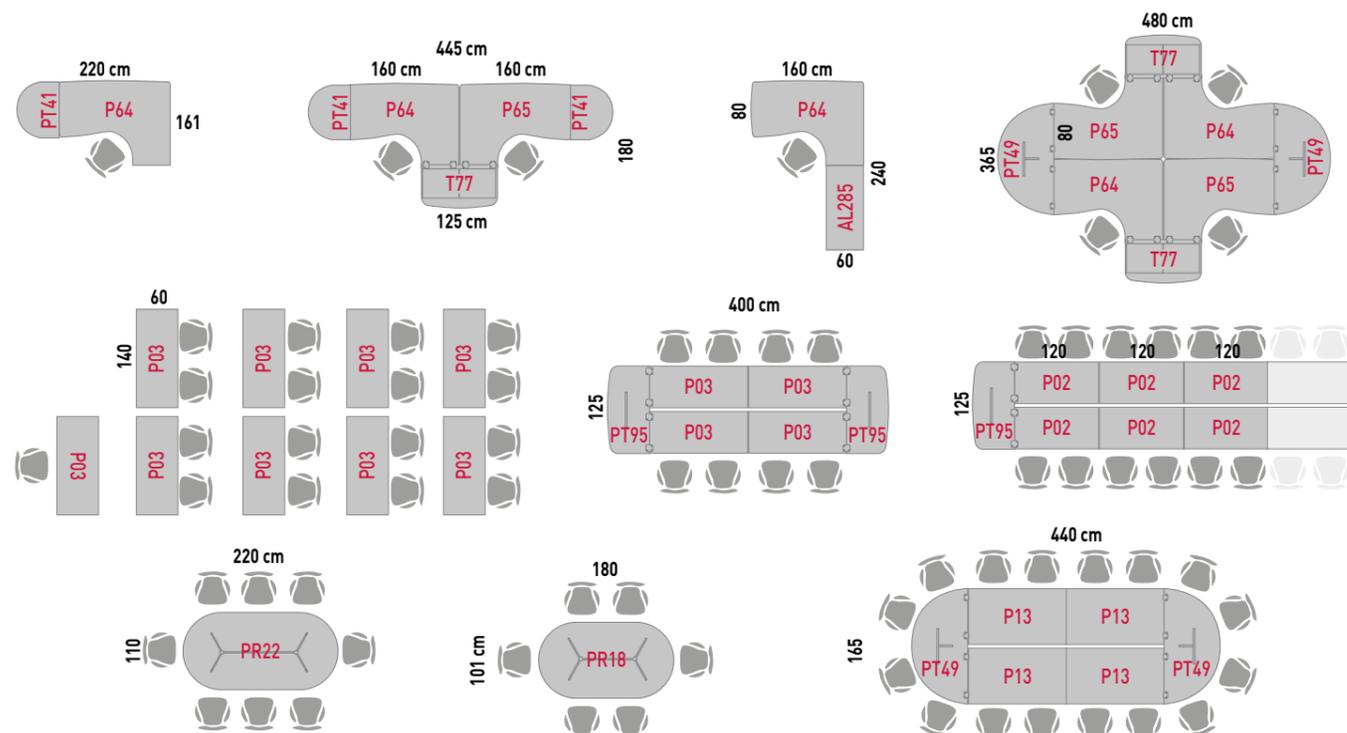
DESK LINKS



RECEPTION COUNTERS



SAMPLE LAYOUTS - OFIMAT



Desks



■ FRAME

Based on 25mm MFC panel ends(silver), with polystyrene anti-humidity feet with levellers. Ofimat end panels can be silver, dark grey or the same colour as the top)



We suggest to use this in 80cm width rectangular, crescent or wave desks



We suggest to use this in 60cm width rectangular desks and in the middle of long configurations for better stability



Polystyrene anti-humidity feet with leveller

■ LINKING SYSTEM

To link Ofimat desks with pedestal or returns, it is necessary to use these two metal pieces, (epoxy finish) which are included in the pedestal or return packages.



■ DESK TOP FINISHES



■ SIDE FINISHES





MATERIALS

Maximum use of materials to eliminate and minimize scraps. Use of recyclable and recycled materials in those components that do not affect the functionality and durability.

78,57%
RECYCLED
MATERIALS



PRODUCTION

Maximum optimization of energy use. Minimal environmental impact. Last generation technological systems. Zero discharge of wastewater. No VOC coatings. Processes free of heavy metals, phosphates, OC and COD.

100%
RECYCLABLE
ALUMINIUM, STEEL
& WOOD



TRANSPORT

Detachable systems. Volumes that facilitate the optimization of space. Maximum reduction of energy consumption by transport.

100%
RECYCLABLE
PACKAGE AND THINNER
FREE



USE

Quality and warranty. Long lasting. Replacements available.

EASY
TO CLEAN
AND MAINTAIN



DISPOSAL

Waste reduction. Supplier-manufacturer packaging reuse system. Components are easy to be separated. Inks in packaging are water-based, without solvents.

97,27%
RECYCLABLE
MATERIALS

■ **CERTIFICATES AND REFERENCES**

The different programmes get points in different environmental categories to get the LEED certificate (sustainability, material and resources, water, energy and atmosphere, inner environment quality, innovation and design).



The mark of responsible forestry



PEFC Certificate



EN ISO 14006:2011
ECODESIGN Certificate



UNE-EN ISO 9001:2008
ISO 9001 Certificate



UNE-EN ISO 14001:2004
ISO 14001 Certificate



E1 Certificate
by EN 13986



ACTIU TECHNOLOGY PARK
LEED® PLATINUM certified by USGBC
Leadership in Energy & Environmental Design
LEED® Gold certified 2011 - LEED® Platinum certified 2017

■ **STANDARDS**

OFIMAT has passed tests done in our technical department as well as the tests done in **AIDIMA** the Technological Institute for furniture.

The tests correspond to UNE standards and office desks:

- **UNE: EN 527-1:2001.** Office Furniture. Desks. Part 1: Dimensions.
- **UNE: EN 527-2:2003.** Office Furniture. Desks. Part 2: Mechanical security requirements.
- **UNE: EN 527-3:2003.** Office Furniture. Desks. Part 3: Test to determine stability and structure resistance.

MESA OFIMAT

Ref. P1500

Fecha de Informe 10.01.2012

Certificaciones

ISO 9001:2008
 ISO 14001:2004
 UNE 150301. Ecodiseño
 PEFC. Cadena Custodia Productos Madera
 CCVE. Consejo Construcción Verde España (Spain Green Building Council)



1. Datos sobre el Sistema.

Tipo	Producto Nuevo <input checked="" type="checkbox"/>	Rediseño <input type="checkbox"/>	Año del estudio 2009
Alcance de la declaración:	Desde la extracción de materias primas a la solución de mesa completa, incluyendo escenario de fin de vida. El detalle de cada una de las fases consideradas y su alcance se incluye a continuación		

Materiales	Producción	Transporte	Uso	Fin de vida
Incluye la extracción de materias primas y su transformación, hasta su adquisición por Actiu.	Considera los procesos de producción y montaje de Actiu.	Incluye el transporte desde las instalaciones de Actiu hasta las instalaciones de los clientes, para el mercado nacional. Transporte realizado con camión con semirremolque	Esta etapa no tiene relevancia ambiental para el análisis de ciclo de vida. Se estima una durabilidad del producto de 15 años, aunque en realidad puede durar más.	Se han tomado como referencia datos de España. Una persona que tenga que deshacerse de la mesa la entregará a un Punto Limpio. Se asume que la parte de aluminio, madera y cartón puede ser reciclada y, el resto es tratado como residuo urbano.

2. Materias Primas Utilizadas. Especificaciones de producto incluyendo el embalaje para el producto final

	KG por solución producto	Porcentaje %	Calidad de los datos	
			Producción de materias primas	Procesado
Madera	51,129	90,50%	Datos bibliográficos	Datos específicos
Acero	0,337	0,60%	Datos bibliográficos	Datos específicos
Cartón	3,484	6,17%	Datos bibliográficos	Datos específicos
Plástico	1,5367	2,72%	Datos bibliográficos	Datos específicos
Varios	0,007	0,01%	Datos bibliográficos	Datos específicos
TOTAL	56,49	100,00%		
% de materiales reciclados		78,57%		
% de materiales reciclables		97,27%		

El diseño de productos ACTIU está realizado para facilitar la separación de sus componentes y reciclado. El producto ha sido diseñado para facilitar a las empresas la certificación LEED®. Se pueden obtener créditos LEED® gracias a nuestro producto. Por un lado, contiene un alto porcentaje de materiales reciclados y ha sido fabricado con bajas emisiones a la atmósfera. Por otro lado, ha sido diseñado con estándares ergonómicos. Por último, se puede reciclar fácilmente gracias a que ha sido concebido para un desmontaje e identificación de sus componentes muy sencillo. Todo ello le ayudará a conseguir créditos LEED® para la salud de los empleados y la innovación.

La verificación del proceso de análisis de ciclo de vida se realiza por expertos en Ecodiseño independientes (Consultora Esfera de Negocios) y mediante los criterios de la norma UNE 150301:2003 "Ecodiseño".

OFIMAT
EPD

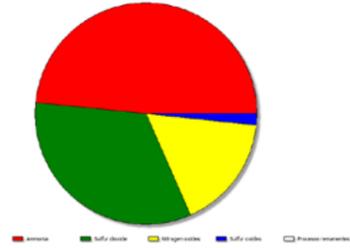
MESA OFIMAT

Ref. P1500

Fecha de Informe 10.01.2012

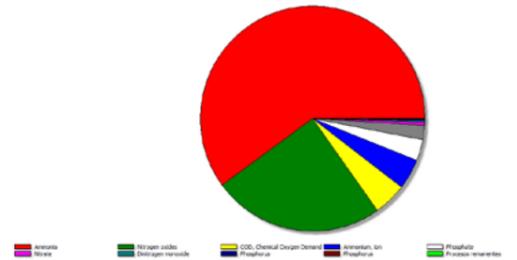
3. Impactos Producidos por Categoría. Se incluyen las cinco sustancias de cada categoría que más impacto tienen en cada una de ellas

Categoría de impacto	Sustancia	Unidad	Total
ACIDIFICACIÓN	Substancias remanentes	kg SO2 eq	0,000178
	Ammonia	kg SO2 eq	0,54096
	Sulfur dioxide	kg SO2 eq	0,370322
	Nitrogen oxides	kg SO2 eq	0,187425
	Sulfur oxides	kg SO2 eq	0,018176



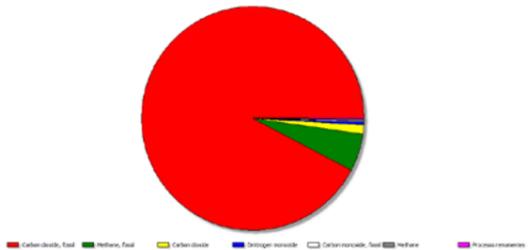
TOTAL kg SO2 eq **1,11706**

Categoría de impacto	Sustancia	Unidad	Total
EUTROFIZACIÓN	Substancias remanentes	kg PO4--- eq	9,13E-05
	Ammonia	kg PO4--- eq	0,118335
	Nitrogen oxides	kg PO4--- eq	0,04873
	COD, Chemical Oxygen Demand	kg PO4--- eq	0,009479
	Ammonium, ion	kg PO4--- eq	0,00868
	Phosphate	kg PO4--- eq	0,005876



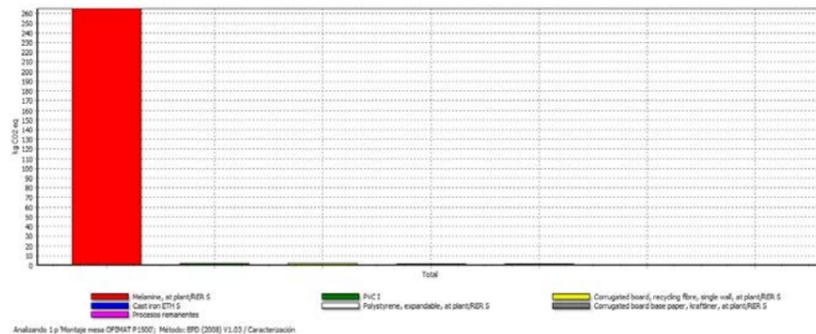
TOTAL kg PO4--- eq **0,197085**

Categoría de impacto	Sustancia	Unidad	Total
CALENTAMIENTO GLOBAL	Substancias remanentes	kg CO2 eq	0,462712
	Carbon dioxide, fossil	kg CO2 eq	252,452
	Methane, fossil	kg CO2 eq	14,81539
	Carbon dioxide	kg CO2 eq	3,625262
	Dinitrogen monoxide	kg CO2 eq	1,103849
	Carbon monoxide, fossil	kg CO2 eq	0,706431



TOTAL kg CO2 eq **273,476**

Impacto por elementos de grupo (materiales, procesos, energía, uso, transporte y residuos)

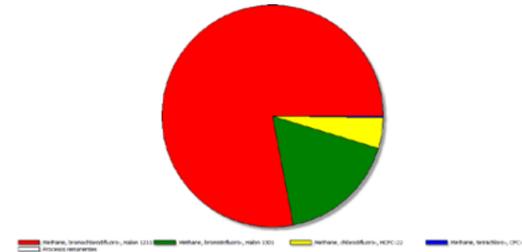


Este producto ha sido fabricado en las instalaciones de ACTIU BERBEGAL Y FORMAS, S.A.

www.actiu.com

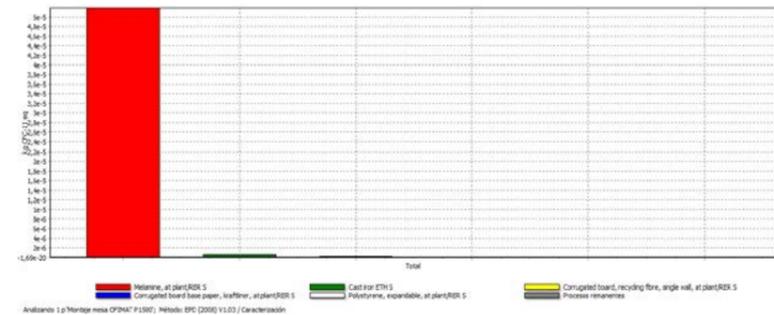
Categoría de impacto	Sustancia	Unidad	Total
REDUCCIÓN CAPA OZONO	Substancias remanentes	Kg CFC-11 eq	6,05E-09
	Methane, bromochlorodifluoro-, Halon 1211	Kg CFC-11 eq	4,13E-05
	Methane, bromotrifluoro-, Halon 1301	Kg CFC-11 eq	9,18E-06
	Methane, chlorodifluoro-, HCFC-22	Kg CFC-11 eq	2,34E-06
	Methane, tetrachloro-, CFC-10	Kg CFC-11 eq	1,31E-07

REDUCCIÓN CAPA OZONO

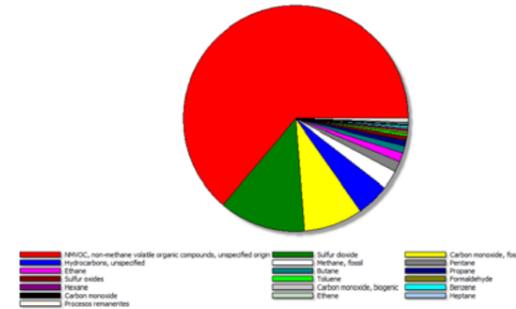


TOTAL kg CFC-11 eq **5,3E-05**

Impacto por elementos de grupo (materiales, procesos, energía, uso, transporte y residuos)

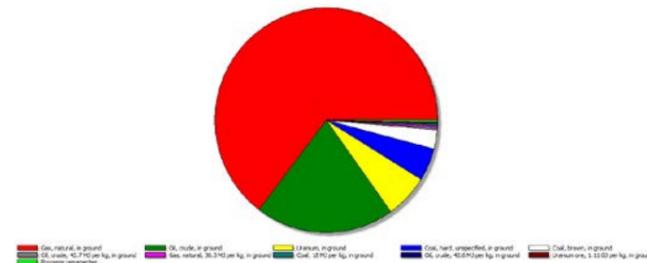


Categoría de impacto	Sustancia	Unidad	Total
SMOG FOTOQUÍMICO	Substancias remanentes	kg C2H4 eq	0,000811
	NMVO, non-methane volatile organic compounds, unspecified origin	kg C2H4 eq	0,090822
	Sulfur dioxide	kg C2H4 eq	0,017775
	Carbon monoxide, fossil	kg C2H4 eq	0,012149
	Hydrocarbons, unspecified	kg C2H4 eq	0,006788
	Methane, fossil	kg C2H4 eq	0,003865



TOTAL kg C2H4 eq **0,142431**

Categoría de impacto	Sustancia	Unidad	Total
RECURSOS NO RENOVABLES	Substancias remanentes	MJ eq	15,11737
	Gas, natural, in ground	MJ eq	3470,811
	Oil, crude, in ground	MJ eq	1079,999
	Uranium, in ground	MJ eq	338,7586
	Coal, hard, unspecified, in ground	MJ eq	254,0931
	Coal, brown, in ground	MJ eq	146,6309



TOTAL MJ eq **5365,092**

RESIDUOS	Total NO PELIGROSOS	Unidad	Total
	Total PELIGROSOS	KG	20,5
		KG	0,03

Este producto ha sido fabricado en las instalaciones de ACTIU BERBEGAL Y FORMAS, S.A.

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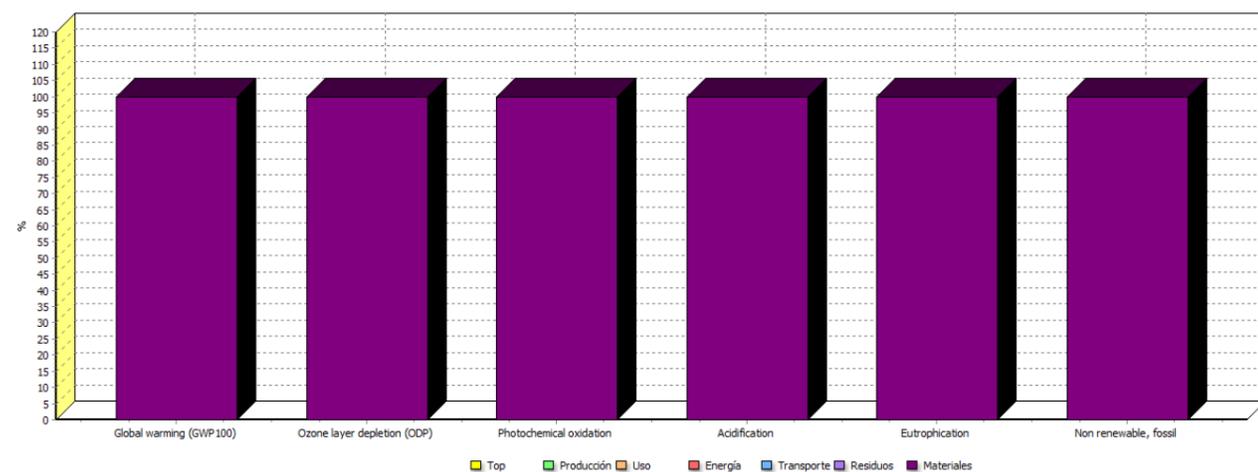
MESA OFIMAT

Ref. P1500

Fecha de Informe 10.01.2012

4. Impactos Producidos por Etapa Ciclo de Vida. Se incluyen seis etapas: Producción, Uso, Energía, Transporte, Residuos y Materiales.

Categoría de impacto	Unidad	Total	Top	Producción	Uso	Energía	Transporte	Residuos	Materiales
Global warming	kg CO2 eq	273,476	0	0	0	0,189543	0,003145	0	273,2833
Ozone layer depletion	kg CFC-11 eq	5,3E-05	0	0	0	1,3E-09	1,35E-09	0	5,3E-05
Photochemical oxidation	kg C2H4 eq	0,142431	0	0	0	5,75E-05	5,27E-06	0	0,142369
Acidification	kg SO2 eq	1,11706	0	0	0	0,000906	1,03E-05	0	1,116143
Eutrophication	kg PO4--- eq	0,197085	0	0	0	4,83E-05	3,45E-07	0	0,197036
Non renewable, fossil	MJ eq	5365,092	0	0,054643	0	2,212039	0,025293	0	5362,8



Analizando 1 p 'Montaje mesa OFIMAT P1500'; Método: EPD (2008) V1.03 / Caracterización

MESA OFIMAT

Ref. P1500

Fecha de Informe 10.01.2012

5. Mejoras de Ecodiseño Consideradas.

Los productos de ACTIU son ecodiseñados considerando diferentes estrategias ambientales. De acuerdo a su nivel de complejidad, las estrategias utilizadas se clasifican en alguna de las siguientes. A continuación se describen algunas de las opciones elegidas para el eco diseño del producto significativas

ESTRATEGIA DE ECODISEÑO DE PRODUCTO	OPCIONES ELEGIDAS CON EL PRODUCTO
Selección de materiales de bajo impacto	Uso de materiales reciclados en un 79% Pintura en polvo (sin emisiones COV) Limitación en el uso de sustancias peligrosas. Sin cromo, mercurio, cadmio Tablero proveniente de fibras de madera recicladas Canto de la mesa fijado con pegamento sin contenido en COVs La madera cumple la norma E1 (emisiones reducidas, EN13986), no emite formaldehidos. Embalajes realizados en cartón reciclado.
Optimización de las técnicas de producción	Optimización proceso corte para reducción generación residuos Procesos de pintado con las mejores técnicas disponibles: Cero emisiones de COVs y otros gases contaminantes. Recuperación de la pintura no utilizada en el proceso para su reutilización. Limpieza de metales mediante circuito de agua cerrado Optimización del uso energético en el proceso de fabricación: Recuperación del calor en el proceso de pintado, sistemas de fabricación automatizados para ahorro de energía.
Optimización del sistema de distribución	Embalaje en bultos planos para optimización espacio. Sistema modular para máximo aprovechamiento y combinación de diferentes modelos del programa
Optimización de la vida útil del producto	15 años duración mínima producto Fácil mantenimiento y limpieza del producto. Se limpia fácilmente con un trapo húmedo con agua. El producto forma parte de un programa modular. Fácil de modificar, ampliar y reparar para optimizar su vida útil.
Optimización del fin de la vida del sistema	Fácil separación componentes del producto Alto grado de reciclabilidad del producto: 97% Sistema de reutilización de embalajes entre ACTIU y su parque de proveedores para evitar la generación de residuos

Bibliografía y referencias

ISO 14025 Etiquetas ecológicas y declaraciones - Tipo III
 Norma UNE-EN-ISO 150301:2003 "Ecodiseño".
 ISO 14044:2006 "Gestión ambiental. Análisis ciclo de vida. Requisitos y directrices"
 UNE 150301:2003 "Ecodiseño"
 Métodos para el cálculo de impactos ambientales
 Base datos: ETH-ESU System processes, Ecoinvent system processes, IDEMAT, EDIP, IPCC, Ecological Scarcity 2006.

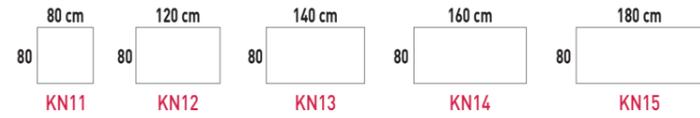


Extensive range ideal to furnish general offices, educational, study or reception areas.

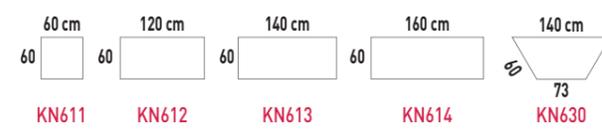
Un amplio programa para el equipamiento de espacios de trabajo, formación, estudio o recepción.



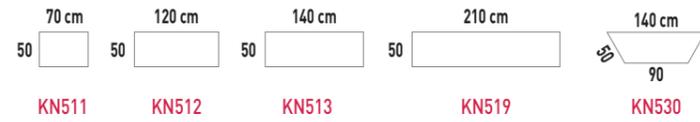
RECTANGULAR DESKS



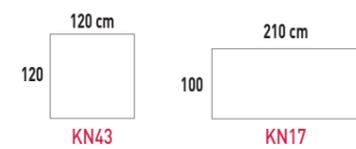
CONFERENCE TABLES



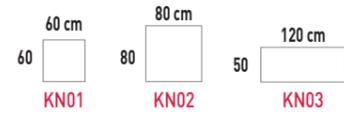
TRAINING TABLES



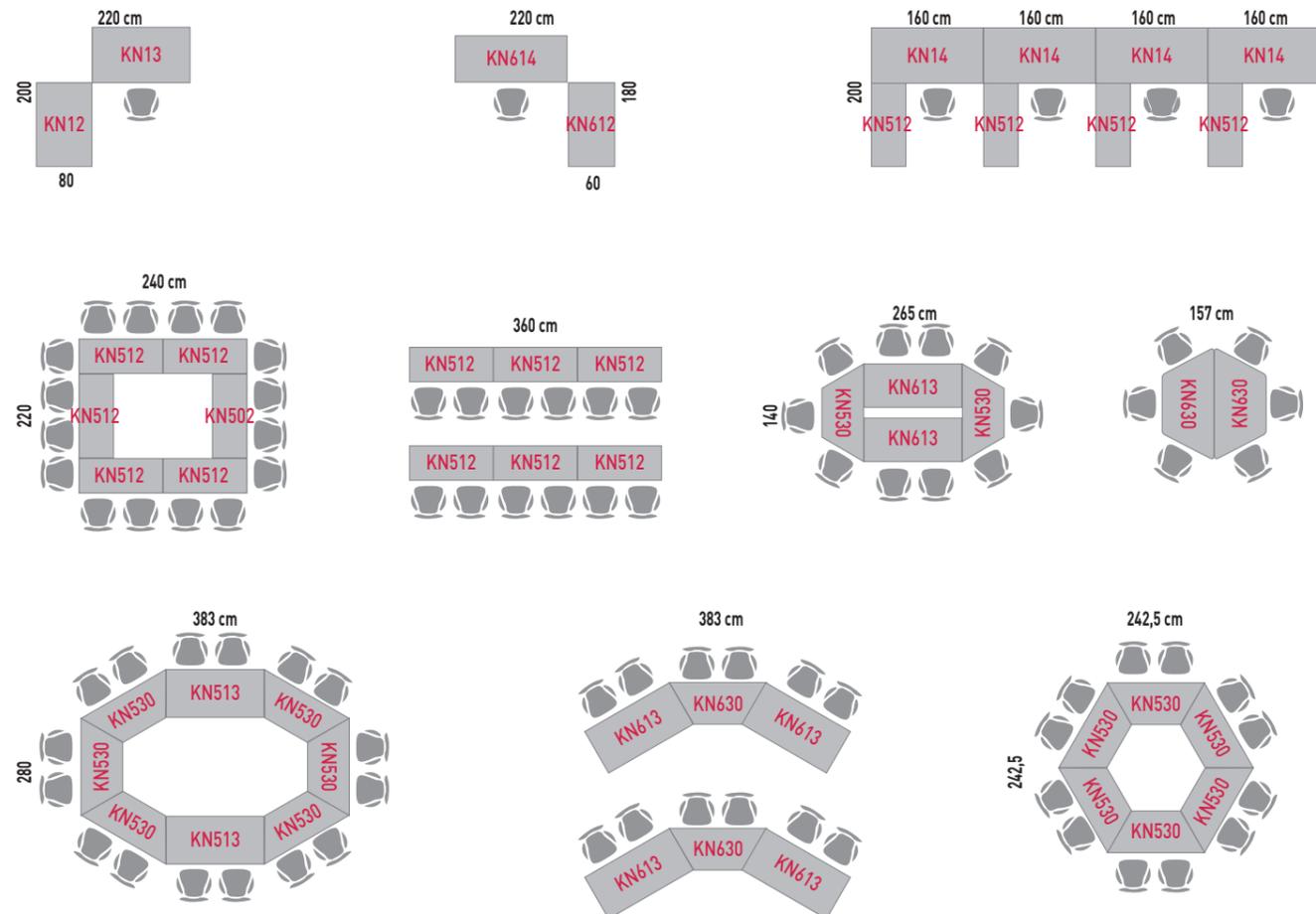
MEETING DESKS



COFFEE TABLES - 43cm. HEIGHT



SAMPLE LAYOUTS - DYNAMIC

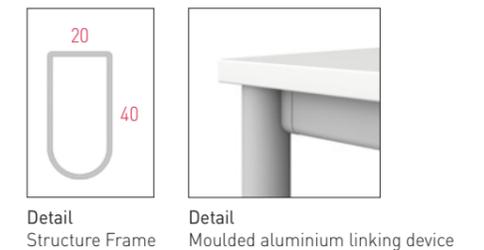


TECHNICAL DETAILS

- ① MFC tops 19 mm thick. 3 standard finishes.
- ② Operative tables, for education, training etc.
- ③ 3 types of leg style: leveler, height adjustment and castors
- ④ Cable tray optional top, access to cable management and cable riser
- ⑤ Optional MFC Modesty panel
- ⑥ Optional CPU Holder

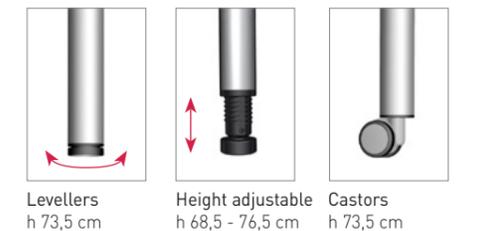
FRAME AND SUPPORTS

Legs: 1,5mm thick laminated steel, 45mm diameter legs.
Frame: 40 x 20 x 1.5 mm Rolled steel frame profile with epoxy finish.
Linking devices: Moulded aluminium linking devices with epoxy finish

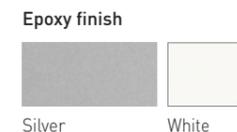


SUPPORTS

Legs available with three different supports:
 ABS moulded **Levellers** with anti-skid caps.
 Anti-skid 65 mm diameter **Castors**. Two lockable castors.
Height adjustable system 68,5 cm - 76,5 cm. Progressive mechanism.



FRAME FINISHES



SURFACE FINISHES





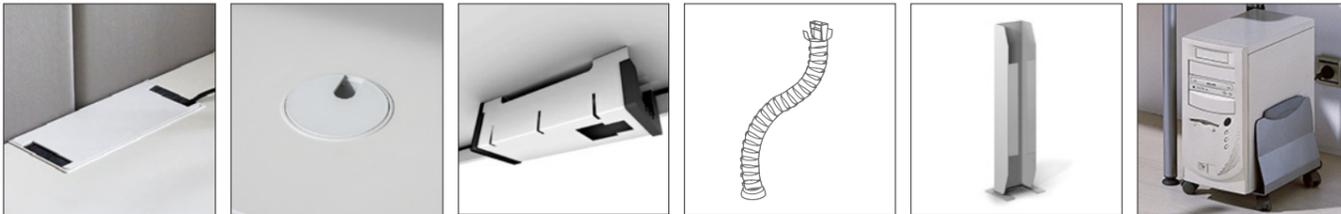
Configuration example: using trapezoidal table

■ LINKING DEVICES

Moulded aluminium linking devices with epoxy finish. It is possible to form different table shapes to be used in conference or meeting rooms.



■ DYNAMIC ACCESSORIES



Access to 'T' wiring. Push Latch Access to 'U' wiring. Push Latch Metallic Container use with "T" Wiring access Polystyrene cable spine Steel metal cable riser CPU Holder



MATERIALS

Maximum use of materials to eliminate and minimize scraps. Use of recyclable and recycled materials in those components that do not affect the functionality and durability.

25,41%
RECYCLED
MATERIALS



PRODUCTION

Maximum optimization of energy use. Minimal environmental impact. Last generation technological systems. Zero discharge of wastewater. No VOC coatings. Processes free of heavy metals, phosphates, OC and COD.

100%
RECYCLABLE
ALUMINIUM, STEEL
& WOOD



TRANSPORT

Detachable systems. Volumes that facilitate the optimization of space. Maximum reduction of energy consumption by transport.

100%
RECYCLABLE
PACKAGE AND THINNER
FREE



USE

Quality and warranty. Long lasting. Replacements available.

EASY
TO CLEAN
AND MAINTAIN



DISPOSAL

Waste reduction. Supplier-manufacturer packaging reuse system. Components are easy to be separated. Inks in packaging are water-based, without solvents.

96,78%
RECYCLABLE
MATERIALS

■ CERTIFICATES AND REFERENCES

The different programmes get points in different environmental categories to get the LEED certificate (sustainability, material and resources, water, energy and atmosphere, inner environment quality, innovation and design).



The mark of responsible forestry



PEFC Certificate



EN ISO 14006:2011
ECODESIGN Certificate



UNE-EN ISO 9001:2008
ISO 9001 Certificate



UNE-EN ISO 14001:2004
ISO 14001 Certificate



E1 Certificate
by EN 13986



ACTIU TECHNOLOGY PARK
LEED® PLATINUM certified by USGBC
Leadership in Energy & Environmental Design
LEED® Gold certified 2011 - LEED® Platinum certified 2017

EPD Environmental Product Declaration

MESA DYNAMIC NIV.K14 (160x80) ALUM-BLANCO

Ref. K14100

Fecha de Informe 05.07.2016

Certificaciones

ISO 9001:2008

ISO 14001:2004

ISO 14006. Ecodiseño

PEFC. Cadena Custodia Productos Madera

FSC. Forest Stewardship Council

GBCe. Green Building Council España



1. Datos sobre el Sistema.

Tipo	Producto Nuevo	<input checked="" type="checkbox"/>	Rediseño	<input type="checkbox"/>	Año del estudio 2016
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Alcance de la declaración: Desde la extracción de materias primas a la solución de mesa completa, incluyendo escenario de fin de vida. El detalle de cada una de las fases consideradas y su alcance se incluye a continuación

Materiales	Producción	Transporte	Uso	Fin de vida
Incluye la extracción de materias primas y su transformación, hasta su adquisición por Actiu.	Considera los procesos de producción y montaje de Actiu	Considera los procesos de producción y montaje de Actiu	Esta etapa no tiene relevancia ambiental para el análisis de ciclo de vida. Se estima una durabilidad del producto de 15 años, aunque en realidad puede durar más.	datos de España. Una persona que tenga que deshacerse de la mesa la entregará a un Punto Limpio. Se asume que la parte de aluminio, madera y cartón puede ser reciclada y, el resto es tratado como residuo urbano.

2. Materias Primas Utilizadas. Especificaciones de producto incluyendo el embalaje para el producto final

	KG por solución producto	Porcentaje %	Calidad de los datos	
			Producción de materias primas	Procesado
Aluminio 100% rec.	1,032	3,61%	Datos bibliográficos	Datos bibliográficos
Acero	8,711	30,50%	Datos bibliográficos	Datos bibliográficos
Cartón	2,480	8,68%	Datos bibliográficos	Datos bibliográficos
TOTAL	12,223	42,79%		
% de materiales reciclados		25,41%		
% de materiales reciclables		96,78%		

El diseño de productos ACTIU está realizado para facilitar la separación de sus componentes y reciclado.

El producto ha sido diseñado para facilitar a las empresas la certificación LEED®. Se pueden obtener créditos LEED® gracias a nuestro producto. Por un lado, contiene un alto porcentaje de materiales reciclados y ha sido fabricado con bajas emisiones a la atmósfera. Por otro lado, ha sido diseñado con estándares ergonómicos. Por último, se puede reciclar fácilmente gracias a que ha sido concebido para un desmontaje e identificación de sus componentes muy sencillo. Todo ello le ayudará a conseguir créditos LEED® para la salud de los empleados y la innovación.

La verificación del proceso de análisis de ciclo de vida se realiza por expertos en Ecodiseño independientes (ACTIVALINK, S.L.) y mediante los criterios de las norma ISO 14006 "Ecodiseño".

Este producto ha sido fabricado en las instalaciones de ACTIU BERBEGAL Y FORMAS. S.A.

www.actiu.com

DYNAMIC
EPD

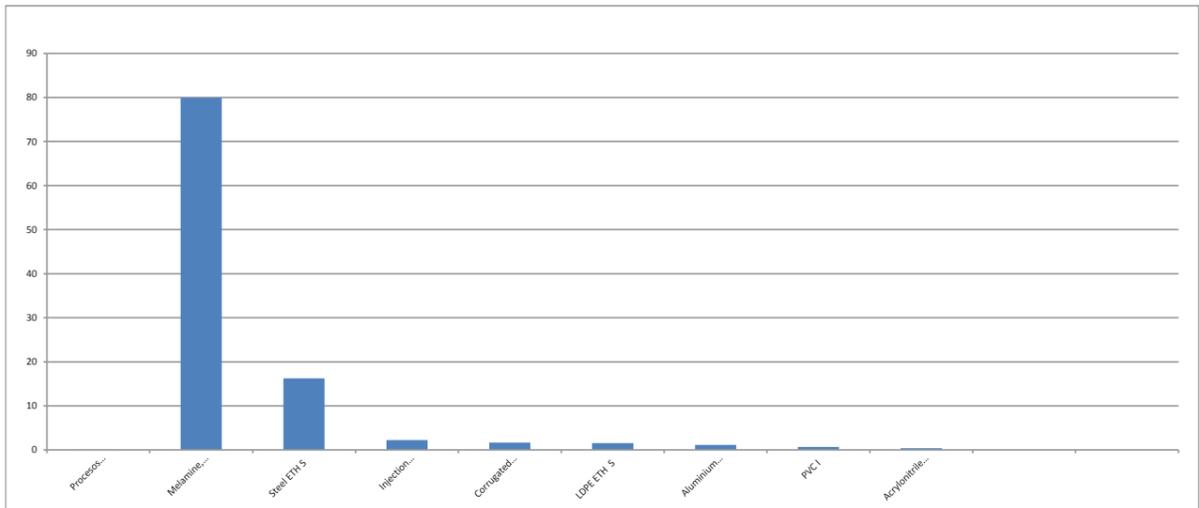
3. Impactos Producidos por Categoría. Se incluyen las cinco sustancias de cada categoría que más impacto tienen en cada una de ellas

Categoría de impacto	Sustancia	Unidad	Total
ACIDIFICACIÓN	Substancias remanentes	kg SO2 eq	0,0251218
	Nitrogen oxides	kg SO2 eq	3,37357E-05
	Sulfur dioxide	kg SO2 eq	1,54095E-06
TOTAL		kg SO2 eq	0,012847596

Categoría de impacto	Sustancia	Unidad	Total
EUTROFIZACIÓN	El total de todos los compartimento	kg PO4--- eq	0,000646835
	COD, Chemical Oxygen Demand	kg PO4--- eq	0,065346059
	Dinitrogen monoxide	kg PO4--- eq	1,26208E-06
	Nitrogen	kg PO4--- eq	5,72689E-07
	Nitrogen oxides	kg PO4--- eq	7,4115E-08
	Phosphorus	kg PO4--- eq	6,22524E-09
TOTAL		kg SO2 eq	0,001876074

Categoría de impacto	Sustancia	Unidad	Total
CALENTAMIENTO GLOBAL	Substancias remanentes	kg CO2 eq	2,223672287
	Carbon dioxide, fossil	kg CO2 eq	0,005189548
	Carbon monoxide	kg CO2 eq	0,000207733
	Dinitrogen monoxide	kg CO2 eq	99,66258051
	Methane	kg CO2 eq	4,746E-257
	Methane, fossil	kg CO2 eq	0
	TOTAL		kg CO2 eq

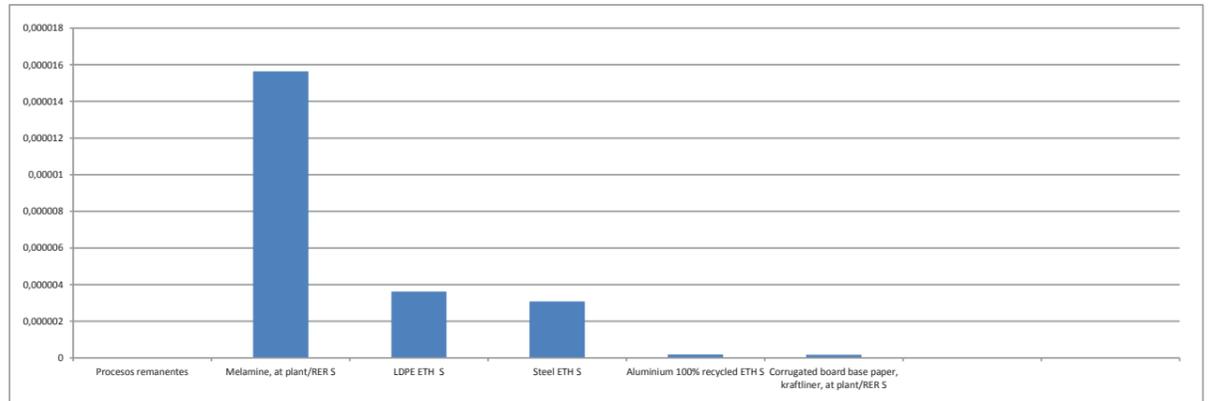
Impacto por elementos de grupo (materiales, procesos, energía, uso, transporte y residuos)



4. Impactos Producidos por Categoría. Se incluyen las cinco sustancias de cada categoría que más impacto tienen en cada una de ellas

Categoría de impacto	Sustancia	Unidad	Total
REDUCCIÓN CAPA DE OZONO	Substancias remanentes	kg CFC-11 eq	0
	Methane, bromochlorodifluoro-	kg CFC-11 eq	0
	Halon 1211	kg CFC-11 eq	1,19493E-09
	Methane, bromotrifluoro-	kg CFC-11 eq	2,82983E-10
	Halon 1301	kg CFC-11 eq	0
	Methane, chlorodifluoro-	kg CFC-11 eq	0
	HCFC-22	kg CFC-11 eq	0
	Methane, tetrachloro-, CFC-10	kg CFC-11 eq	0
	Methane, trichlorofluoro-, CFC-11	kg CFC-11 eq	1,90874E-05
	TOTAL		kg SO2 eq

Impacto por elementos de grupo (materiales, procesos, energía, uso, transporte y residuos)



Categoría de impacto	Sustancia	Unidad	Total
SMOG FOTOQUÍMICO	Substancias remanentes	kg C2H4 eq	0,004853864
	Carbon monoxide, fossil	kg C2H4 eq	0,062858634
	Propane	kg C2H4 eq	7,08779E-05
	Butane	kg C2H4 eq	3,89763E-06
	Carbon monoxide	kg C2H4 eq	1,03466E-06
	Toluene	kg C2H4 eq	2,9004E-09
TOTAL		kg SO2 eq	0,009287

Categoría de impacto	Sustancia	Unidad	Total
RECURSOS NO RENOVABLES	Substancias remanentes	MJ eq	30,4005236
	Coal, hard, unspecified, in ground	MJ eq	1898,651982
	Coal, 29.3 MJ per kg, in ground	MJ eq	0,115371709
	Coal, brown, 8 MJ per kg, in ground	MJ eq	0,005290941
	Gas, mine, off-gas, process, coal mi	MJ eq	4,746E-257
	Uranium ore, 1.11 GJ per kg, in groi	MJ eq	4,746E-257
TOTAL		kg SO2 eq	55,93968241

RESIDUOS	Total NO PELIGROSOS	KG	6,38
	Total PELIGROSOS	KG	0,0306

EPD Environmental Product Declaration



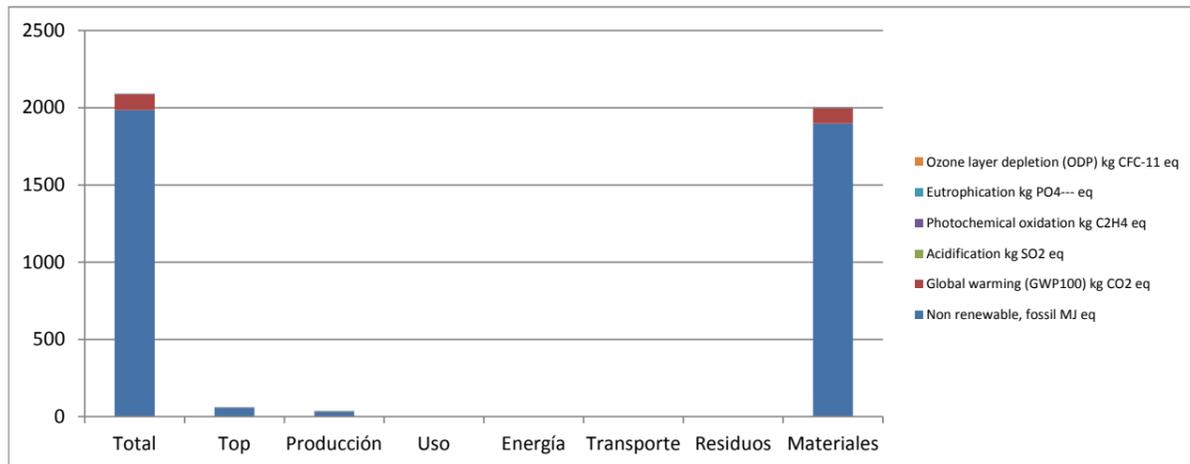
MESA DYNAMIC NIV.K14 (160x80) ALUM-BLANCO

Ref. K14100

Fecha de Informe 05.07.2016

5. Impactos Producidos por Etapa Ciclo de Vida. Se incluyen seis etapas: Producción, Uso, Energía, Transporte, Residuos y Materiales.

Categoría de impacto	Uds.	Total	Top	Producción	Uso	Energía	Trsp.	Residuos	Mat.
Non renewable, fossil	MJ eq	1985,112851	55,94	30,4005236	0	0,115371709	0,005	0	1899
Global warming (GWP100)	kg CO2 eq	103,8100261	1,918	2,223672287	0	0,005189548	2E-04	0	99,66
Acidification	kg SO2 eq	0,430776887	0,013	0,0251218	0	3,37357E-05	2E-06	0	0,393
Photochemical oxidation	kg C2H4 eq	0,077004431	0,009	0,004853864	0	3,89763E-06	1E-06	0	0,063
Eutrophication	kg PO4--- eq	0,067870305	6E-04	0,001876074	0	1,26208E-06	7E-08	0	0,065
Ozone layer depletion (ODP)	kg CFC-11 eq	2,27108E-05	4E-06	0	0	1,19493E-09	3E-10	0	2E-05



EPD Environmental Product Declaration



MESA DYNAMIC NIV.K14 (160x80) ALUM-BLANCO

Ref. K14100

Fecha de Informe 05.07.2016

6. Mejoras de Ecodiseño Consideradas.

Los productos de ACTIU son ecodiseñados considerando diferentes estrategias ambientales. De acuerdo a su nivel de complejidad, las estrategias utilizadas se clasifican en alguna de las siguientes. A continuación se describen algunas de las opciones elegidas para el eco diseño del producto significativas

ESTRATEGIA DE ECODISEÑO DE PRODUCTO	OPCIONES ELEGIDAS CON EL PRODUCTO
Selección de materiales de bajo impacto	Uso de materiales reciclados en un 25% Aluminio reciclado 100% Pintura en polvo (sin emisiones COV) Limitación en el uso de sustancias peligrosas. Sin cromo, mercurio, cadmio Embalajes realizados en cartón reciclado.
Optimización de las técnicas de producción	Optimización proceso corte para reducción generación residuos Procesos de pintado con las mejores técnicas disponibles: Cero emisiones de COVs y otros gases contaminantes. Recuperación de la pintura no utilizada en el proceso para su reutilización. Limpieza de metales mediante circuito de agua cerrado Optimización del uso energético en el proceso de fabricación: Recuperación del calor en el proceso de pintado, sistemas de fabricación automatizados para ahorro de energía.
Optimización del sistema de distribución	Embalaje en bultos planos para optimización espacio. Sistema modular para máximo aprovechamiento y combinación de diferentes modelos del programa 15 años duración mínima producto
Optimización de la vida útil del producto	Fácil mantenimiento y limpieza del producto. Se limpia fácilmente con un trapo húmedo con agua. El producto forma parte de un programa modular. Fácil de modificar, ampliar y reparar para optimizar su vida útil.
Optimización del fin de la vida del sistema	Fácil separación componentes del producto Alto grado de reciclabilidad del producto: 97% Sistema de reutilización de embalajes entre ACTIU y su parque de proveedores para evitar la generación de residuos

Bibliografía y referencias

ISO 14025 Etiquetas ecológicas y declaraciones – Tipo III

Norma UNE-EN-ISO 14006 "Ecodiseño".

ISO 14044:2006 "Gestión ambiental. Análisis ciclo de vida. Requisitos y directrices"

Métodos para el cálculo de impactos ambientales

Base datos: ETH-ESU System processes, Ecoinvent system processes, IDEMAT, EDIP, IPCC, Ecological Scarcity 2006.

CHAIRS

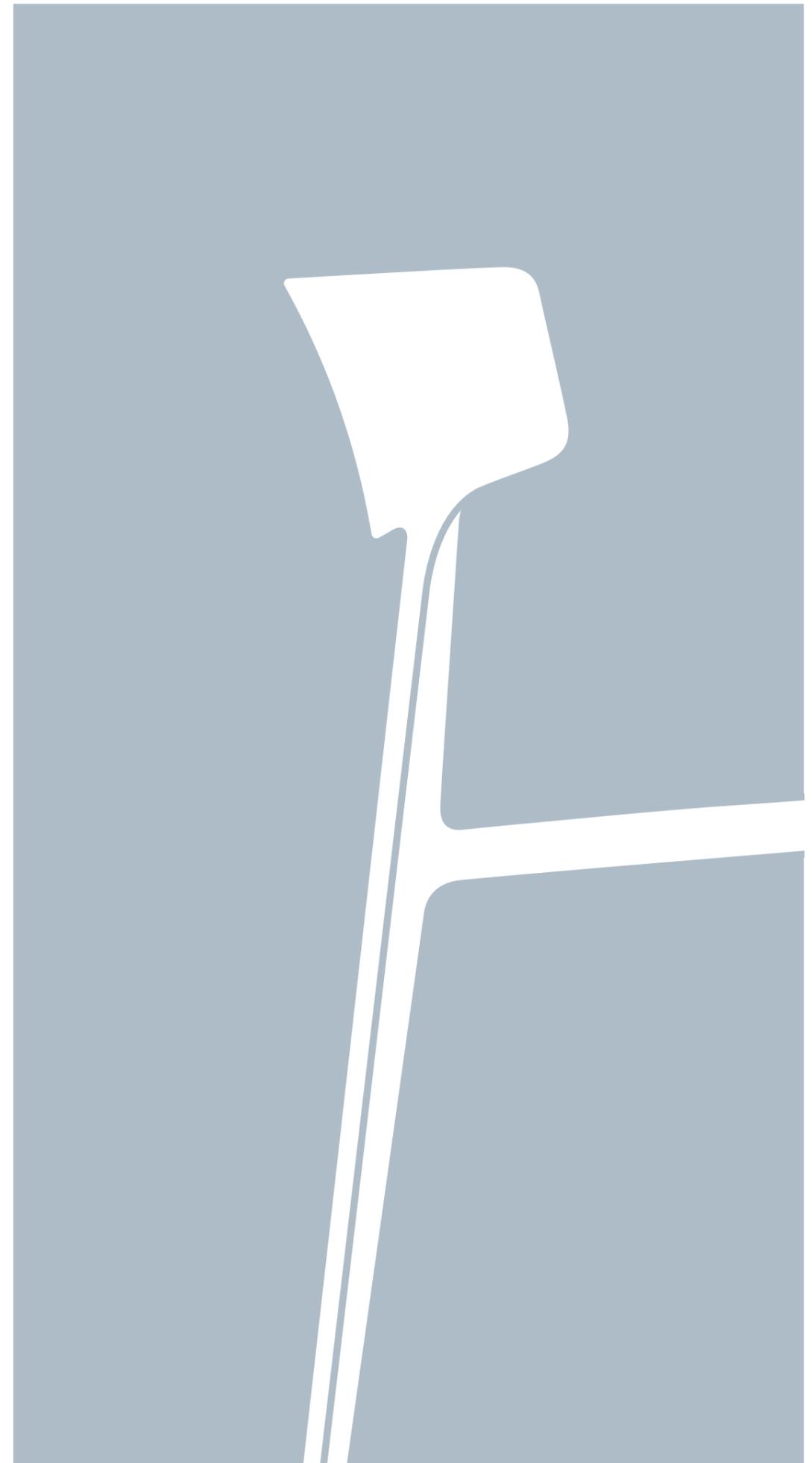
SILLAS - SIÉGES - STÜHLE

The passion for what you do is the talent
that brings you success

El éxito se consigue trabajando desde la
pasión

Le succes arrive en travaillant avec
passion

Erfolgreich ist man dann, wenn die
Arbeit auf Passion beruht





COMFORT, PROFITABILITY AND ERGONOMICS



**DELTA
AWARDS
2013** Δ
Selection

STAY is a high quality and competitive operative chair, an innovative product for its high moldable capacity. A chair selected at the Delta Awards , 2013 for its freshness, comfortability and high sustainability.

STAY es una silla operativa de alta calidad y competitividad, un producto innovador por su alta capacidad moldeable. Una silla seleccionada en los Delta Awards de 2013 por su frescura, confortabilidad y alta sostenibilidad.



**STAY COMBINES
AN INTELLIGENT
TECHNOLOGY**
WITH A HIGH LEVEL
OF COMFORT.

Designed in a simple way, easy to use. Stay combines an intelligent technology with a high level of comfort.

Diseñada de una forma simple y fácil de usar, Stay combina una tecnología inteligente con un elevado nivel de confort.



1 AUTO-WEIGHT SYNCHRO CONTROL

Synchro mechanism auto-weight control, it adapts automatically to the user weight.

In order to adjust and customize the tension to special user requirement there is a knob underneath of the seat **(A)**.



STAY includes 4 back tilt positions offering tilt angles from 10° at the up-right blocked position up to 30° at the maximum angle, to adjust and select the tilt angle of the back just turn the end of the knob underneath of the seat **(B)**.

2 AIRFLOW COMFORT SYSTEM

The seat has been designed with air chambers, to improve comfort, flexibility and the distribution of pressure for any user.

3 SEAT HEIGHT ADJUSTMENT

The seat height is adjusted using a gas-lift by lifting up the knob under the seat **(D)**. (Lowest seat height: 39 cm/Maximum seat height: 50 cm)



Backrest maximum and minimum height

4 SEAT SLIDE (TRASLA)

Ideal feature to adjust the distance between the seat and the back adapting the chair to different user anthropometrics.

Pull out the lever **(C)** and fix it back in **7 different positions**. The system includes an auto-return mechanism to return the seat to the back position when standing up while pulling the lever out.

(total sliding distance = 7 cm / Each position offers 10 mm adjustment)



7 different positions.
Depth adjustment with auto-return mechanism

5 LUMBAR ADJUSTMENT

STAY offers a **lumbar height adjustment system (E)** manufactured with a flexible and adaptable material with an adjustment range of 5 cm. A combination of use of mesh materials and lumbar adjustment provides a fully adaptable solution strengthening the support on those points where the tension is higher.



The lumbar backs made of polypropylene are offered in a standard way finished the same as frame of the back of the chair.



Tension Control Knob



4 Back tilt positions control



Gas lift - Syncro Model



Gas lift - Gas lift Model



Sliding seat lever

7 OPTIONAL HEAD-REST

Available a Head-rest for **Stay** model. (25,5 x 16,5 cm).

Polypropylene (PP) frame +35% fiber glass (White or black), technical mesh upholstered or TEX upholstered. Polypropylene(PP) fixing and adjustable piece. **5 Different positions. Maximum Height adjustment 2" 3/8.** Tilt mechanism.



Technical mesh upholstered

FINITIONS



8 ADJUSTABLE ARM-REST

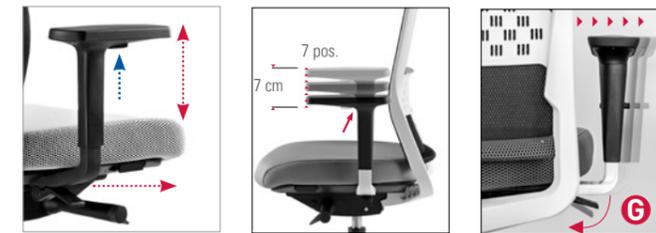
STAY offers 2 arm options: aluminium or polypropylene arms.

Height adjustment: adjustable using the knob under the arm-rest **(F)**, it offers 7 height positions.

Distance between arms: Manual width adjustment using the level under the seat **(G)**, each arm range adjustment is 3 cm, so maximum total width is 6 cm.

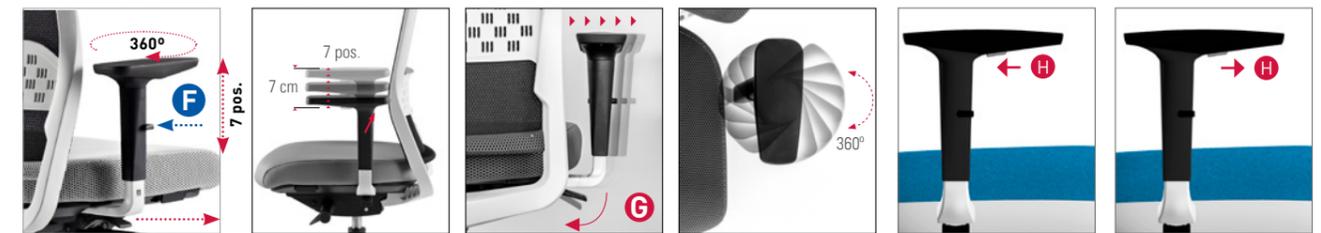
360° Swivel arm system (Anti-panic): Only available with the aluminium arm option, 360° Swivel arm movement allowing horizontal rotation of arm rests.

POLYPROPYLENE ARM



Polypropylene arms. Manual width adjustment

ALUMINIUM AND POLYPROPYLENE ARM



Height adjustable arm

360° Swivel arm movement

LOCKED
- without movement
(Only in positions 0° and 180°)

UNLOCKED
- with movement

9 CASTORS AND CAPS

Soft band 65 mm anti-skid castors in black finish. **Optional Security castors** with auto-lockable system, avoiding the undesired chair move (when sitting the castors move normally but when stand up the castors auto-lock). **Black Polypropylene (PP) caps** with antiskid rubber.



Black castor

Weight control castors

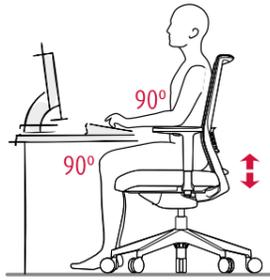
Antistatic castors

Black caps

1 A correct posture at work to avoid physical problems

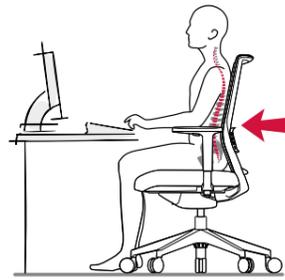
Seat adjustment.

Forearms must be parallel to the desk top as in a right angle with the rest of the arm. Both feet must be lean on the floor and knees must be in right angle too.



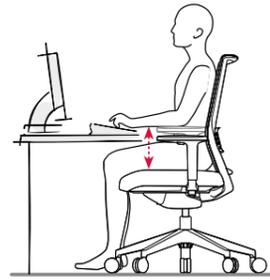
Lumbar Support Adjustment

Adjust the Lumbar support height to get the back totally rested and the weight totally supported.



Adjustable arms (7 positions)

Place the chair arms in the lower position to get better mobility. For statics works, adjust height and distance to that point where the forearms perfectly lean.



2 Different ergonomics conditions and specific mobility for each task

It is necessary to alternate daily dynamic and static tasks.

Dynamic tasks.

Document manipulation, communication and so on...Select positions 2,3 or 4 on the back tilt adjustment knob. Put the arms in the lowest position.

Torsion.

Flexible back whose movements go naturally with the user action.

Dynamic tasks.



Torsion.



Static work

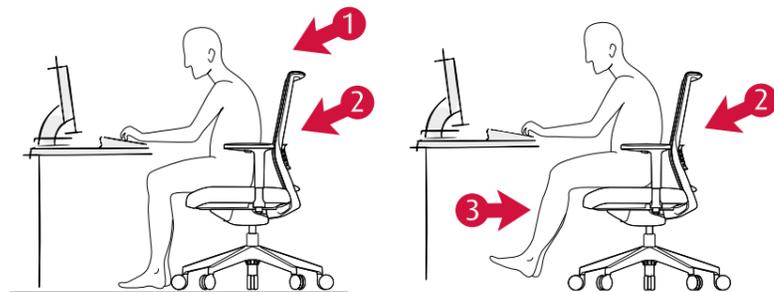
Document analysis and writing, intensive computer work... Select position 1 on the back tilt adjustment knob. Put the arms in the lowest position.



3 Incorrect Postures

Key points.

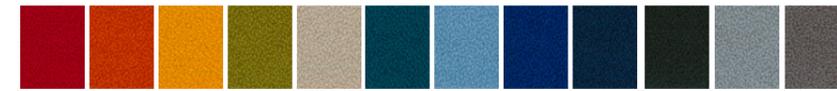
1. A lower position from the desk produces neck pain.
2. An incorrect back support produces lumbar problems.
3. Legs too stretched or too vended causes body joints over-stressed.



TEX BACKREST

BACKREST AND SEAT

GROUP T



GROUP M - MELANGE



TECHNICAL MESH BACK REST

SEAT

GROUP T



GROUP C



GROUP M - MELANGE



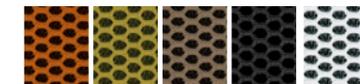
GROUP N



GROUP H - HARLEQUIN

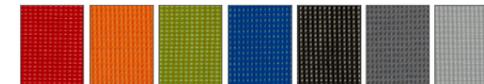


GROUP G - OMEGA 3D



BACK

NET



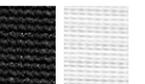
GROUP H - HARLEQUIN



GROUP G - OMEGA 3D



STRING



Black White

DESCRIPTION

Operative office chair, 5 Star base; aluminium base and polyamide with glass fiber (FV). Anti-skid castors standard use (65 mm) or weight control use.

Backrest PP with glass fibre (PP + 30% G.F.) frame.

Upholstered with foamized fabric composed of polyurethane foam 5mm + fabric "T".

The seat has been designed with air chambers, to improve comfort, flexibility and the distribution of pressure for any user. **Seat** with PU (polyurethane) flexible molded foam density of **55-60 kg/m³** black polypropylene with glass fibre (PP+20% G.F.) cover seat with injected foam upholstered with fabrics. Height adjustable system by gas lift. Depth seat adjustment (70 mm). Return spring system.

BACK

(SEE FINISHES AND FABRIC CARD LAST PAGE)

SEAT

(SEE FINISHES AND FABRIC CARD LAST PAGE)

BASES AND CASTORS



Black Polyamide - Ø 67,5 cm
Black anti-skid castor,
Ø 65 mm soft band



White polyamide - Ø 67,5 cm
Black anti-skid castor,
Ø 65 mm black soft band



White aluminium - Ø 67,5 cm
Black anti-skid castor,
Ø 65 mm black soft band



Silver aluminium - Ø 67,5 cm
Black anti-skid castor,
Ø 65 mm black soft band



Polished aluminium - Ø 67,5 cm
Black anti-skid castor,
Ø 65 mm black soft band

SIZES

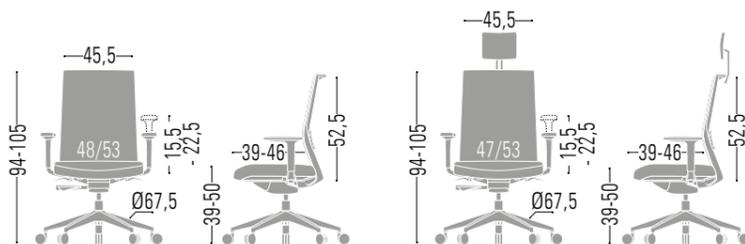
Total height: from 940 mm to 1.050 mm
Total width: from 675 mm to 690 mm
Total depth: from 675 mm

Seat height: from 390 mm to 500 mm
Seat width: from 480 mm to 530 mm
Seat depth: from 390 mm to 460 mm

*Measures according to UNE-EN 1335-1



- ① Polypropylene frame manufactured with glass fiber (PP + 30% G.F.)
- ② Moulded Flexible foam back rest.
- ③ Adjustable lumbar support
- ④ **WITH PIVOTING ARM 360°:**
A. SEBS of 3 mm, B. ABS of 3 mm, C. Height adjustment, D. Component by solid aluminium 20 x 30 mm thickness or PP +30% F.V.
- WITHOUT PIVOTING ARM 360°:**
A. SEBS of 3 mm, B. ABS of 3 mm, C. Height adjustment, D. Component by Polypropylene with glass fiber
- ⑤ Seat with ACS technology (airflow comfort system). Injected foam seat upholstered in different finishes
- ⑥ Gas lift
- ⑦ Auto-weight synchro control mechanism
- ⑧ Seat slide (Trasla)
- ⑨ 4 back tilt positions control
- ⑩ 5 star base. Moulded aluminium or polyamide base with glass fiber
- ⑪ Anti-skid castors, hole weight control castor or standard castors



MATERIALS

Maximum use of materials to eliminate and minimize scraps. Use of recyclable and recycled materials in those components that do not affect the functionality and durability.

52,56%
RECYCLED
MATERIALS



PRODUCTION

Maximum optimization of energy use. Minimal environmental impact. Last generation technological systems. Zero discharge of wastewater. No VOC coatings. Processes free of heavy metals, phosphates, OC and COD.

100%
RECYCLABLE
ALUMINIUM, STEEL
& WOOD



TRANSPORT

Detachable systems. Volumes that facilitate the optimization of space. Maximum reduction of energy consumption by transport.

100%
RECYCLABLE
PACKAGE AND THINNER
FREE



USE

Quality and warranty. Long lasting. Replacements available.

EASY
TO CLEAN
AND MAINTAIN



DISPOSAL

Waste reduction. Supplier-manufacturer packaging reuse system. Components are easy to be separated. Inks in packaging are water-based, without solvents.

92,85%
RECYCLABLE
MATERIALS

CERTIFICATES AND REFERENCES

The different programmes get points in different environmental categories to get the LEED certificate (sustainability, material and resources, water, energy and atmosphere, inner environment quality, innovation and design).



The mark of responsible forestry



PEFC Certificate



EN ISO 14006:2011
ECODESIGN Certificate



UNE-EN ISO 9001:2008
ISO 9001 Certificate



ISO 14001 Certificate



UNE-EN ISO 14001:2004
ISO 14001 Certificate



ISO 14001 Certificate



E1 Certificate
by EN 13986



ACTIU TECHNOLOGY PARK
LEED® PLATINUM certified by USGBC
Leadership in Energy & Environmental Design
LEED® Gold certified 2011 - LEED® Platinum certified 2017

STAY has passed tests done in our technical department as well as the tests done in **AIDIMA** the Technological Institute for furniture. The tests correspond to:

Office chairs, Standard from 2009

- **UNE-EN 1335-1:01.** Office furniture. Office chair. Part 1: About dimensions
- **UNE-EN 1335-2:09.** Office furniture. Office chair. Part 2: Security requirements
- **UNE-EN 1335-3:09.** Office furniture. Office chair. Part 3: Security tests.

EPD Environmental Product Declaration

STAY chair

Ref: 900213G13

Report Data 31.10.2012

Certificates

ISO 9001:2008
 ISO 14001:2004
 ISO 14006. Ecodesign
 PEFC. Programme for the Endorsement of Forest Certification
 FSC. Forest Stewardship Council
 GBCe. Green Building Council Spain



1. Details of the system

Type New Product Redesign Studied Year 2012

Declaration Scope: From extraction of raw materials to complete desk solution, including end of life. The detail of each of the phases considered and its scope is included below

Materials	Production	Transport	Use	End of life
Including the extraction and processing of raw materials and component sourcing to its delivery at the Actiu Technological Park.	Consider the production and assembly processes used in Actiu.	Includes from the Actiu Technological Park to our customers facilities. Transport is provided through light commercial transport.	This stage has not environmentally relevance for life cycle analysis.	Any product can be disposed of in different ways, or become a resource. Drawing on national average dates, it is supposed that aluminium, wood and cardboard packaging is recycled, while the rest is treated as urban waste.

2. RAW MATERIALS USED FOR THE PRODUCT. Product specifications, including packaging

	KG of product solution	Percentage %	Quality of finishes	
			Production of raw materials	Processed
Plástico	7,7204	33,38%	Bibliographic data	Bibliographic data
reciclable	8,962	38,75%	Bibliographic data	Bibliographic data
Cartón	2,825	12,21%	Bibliographic data	Bibliographic data
Acero	2,7076	11,71%	Bibliographic data	Bibliographic data
Varios	0,915	3,96%	Bibliographic data	Bibliographic data
TOTAL	23,13	100,00%		
% recycled materials		50,96%		
% recyclable materials		91,21%		

ACTIU product design is made to facilitate the separation of its components and recycling. The product is designed to help companies LEED® certification. You can obtain LEED® credits with our product. On the one hand, contains a high percentage of recycled materials and is manufactured with low emissions to the atmosphere. On the other hand, has been designed with ergonomic standards. Finally, it can be easily recycled because it is designed for disassembly and identification of very simple components. This will help you achieve LEED® credits for employee health and innovation

The verification process life cycle analysis is performed by independent experts in Ecodesign (Consultant Business Area) and using the criteria of the standard UNE ISO 14006 "Ecodesign".

This product has been manufactured at the facilities of ACTIU BERBEGAL Y FORMAS, S.A.

www.actiu.com

STAY
EPD

STAY chair

Ref: 900213G13

Report Data 31.10.2012

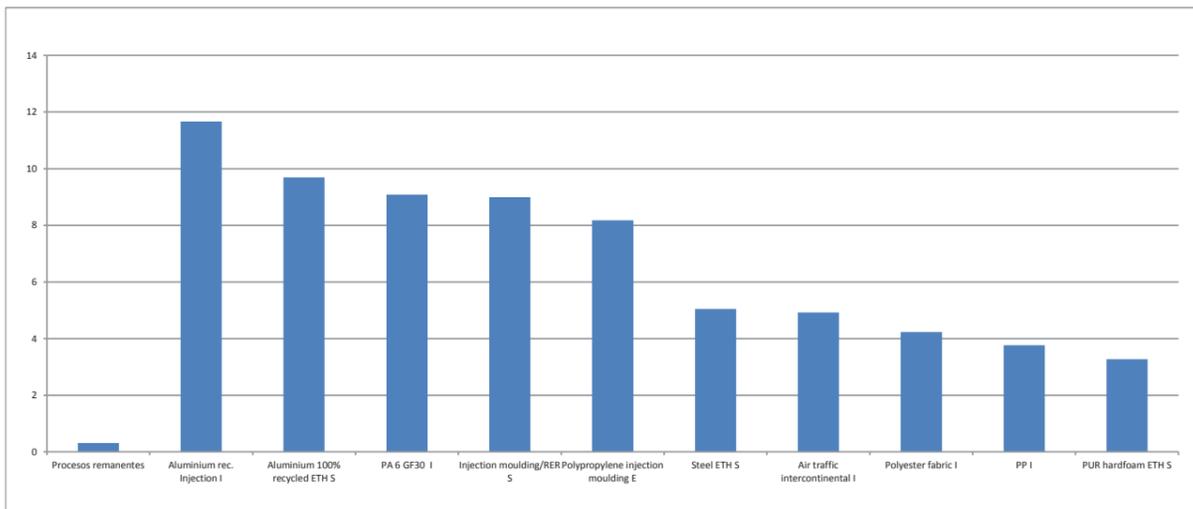
3. Impacts produced by category. Five substances area included in each category have the greatest impact in each category

Impact category	Substance	Unit	Total
ACIDIFICATION	Remaining Substances	kg SO2 eq	0
	Ammonia	kg SO2 eq	0,001622994
	Nitrogen dioxide	kg SO2 eq	0,015177533
	Nitrogen oxides	kg SO2 eq	0,110125116
	Sulfur dioxide	kg SO2 eq	0,267899708
	Sulfur oxides	kg SO2 eq	0,178840761
TOTAL	kg SO2 eq	0,573666112	

Impact category	Substance	Unit	Total
EUTROFIZATION	Remaining Substances	kg P04--- eq	4,90277E-05
	Ammonia	kg P04--- eq	0,00035503
	Dinitrogen monoxide	kg P04--- eq	0,002032587
	Nitrogen dioxide	kg P04--- eq	0,003946159
	Nitrogen oxides	kg P04--- eq	0,02863253
	Ammonium, ion	kg P04--- eq	0,000739632
TOTAL	kg P04--- eq	0,042795193	

Impact category	Substance	Unit	Total
GLOBAL WARMING	Remaining Substances	kg CO2 eq	0,16903743
	Carbon dioxide	kg CO2 eq	58,53927794
	Carbon dioxide, fossil	kg CO2 eq	12,82474961
	Carbon monoxide	kg CO2 eq	0,253320437
	Dinitrogen monoxide	kg CO2 eq	4,628043254
	Ethane, 1,1,1,2-tetrafluoro-, HFC-134a	kg CO2 eq	1,980166265
	TOTAL	kg CO2 eq	81,79881909

Impact of group elements (materials, processes, energy, use, transport and waste)



Ref: 900213G13

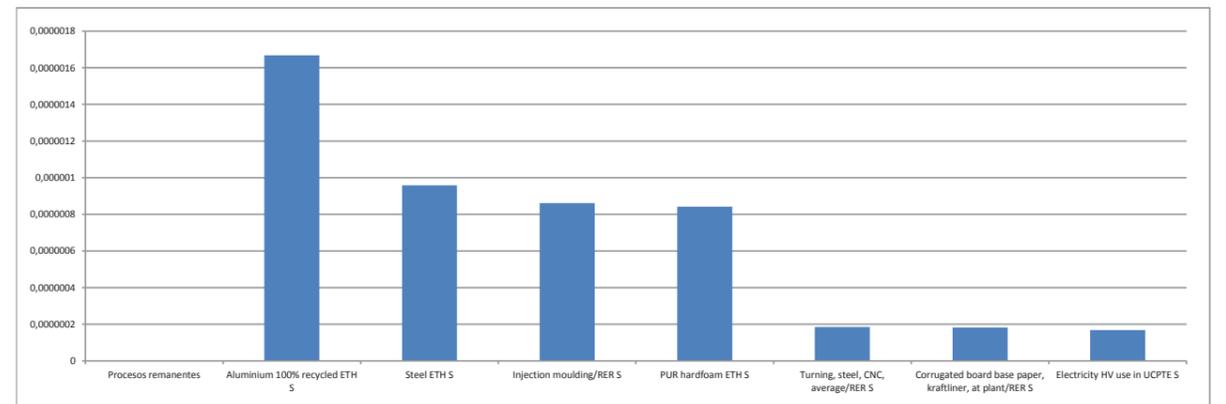
STAY chair

Report Data 31.10.2012

4. Impacts produced by category. Five substances area included in each category have the greatest impact in each category

Impact category	Substance	Unit	Total
REDUCING OZONE	Remaining Substances	kg CFC-11 eq	3,40261E-11
	Methane, bromochlorodifluoro-, Halon 1211	kg CFC-11 eq	9,03575E-07
	Methane, bromotrifluoro-, Halon 1301	kg CFC-11 eq	4,01158E-06
	Methane, chlorodifluoro-, HCFC-22	kg CFC-11 eq	5,69542E-08
	Methane, tetrachloro-, CFC-10	kg CFC-11 eq	1,13848E-07
	Methane, trichlorofluoro-, CFC-11	kg CFC-11 eq	3,42144E-08
	TOTAL	kg CFC-11 eq	5,12021E-06

Impact of group elements (materials, processes, energy, use, transport and waste)



Impact category	Substance	Unit	Total
PHOTOCHEMICAL SMOG	Remaining Substances	kg C2H4 eq	0,00045747
	Butane	kg C2H4 eq	9,77379E-05
	Carbon monoxide	kg C2H4 eq	0,004356466
	Carbon monoxide, fossil	kg C2H4 eq	0,000662447
	Ethane	kg C2H4 eq	0,000117643
	Ethene	kg C2H4 eq	0,000133732
	TOTAL	kg C2H4 eq	0,093671942

Impact category	Substance	Unit	Total
NON-RENEWABLE RESOURCES	Remaining Substances	MJ eq	2,811619956
	Coal, 18 MJ per kg, in ground	MJ eq	85,86872477
	Coal, 29.3 MJ per kg, in ground	MJ eq	67,72927746
	Coal, brown, 10 MJ per kg, in ground	MJ eq	2,247552
	Coal, brown, 8 MJ per kg, in ground	MJ eq	12,72588697
	Coal, brown, in ground	MJ eq	25,83560348
TOTAL	MJ eq	1438,46298	

WASTE	Total NO HAZARDOUS	KG	3,91
	Total HAZARDOUS	KG	0,0502

EPD Environmental Product Declaration



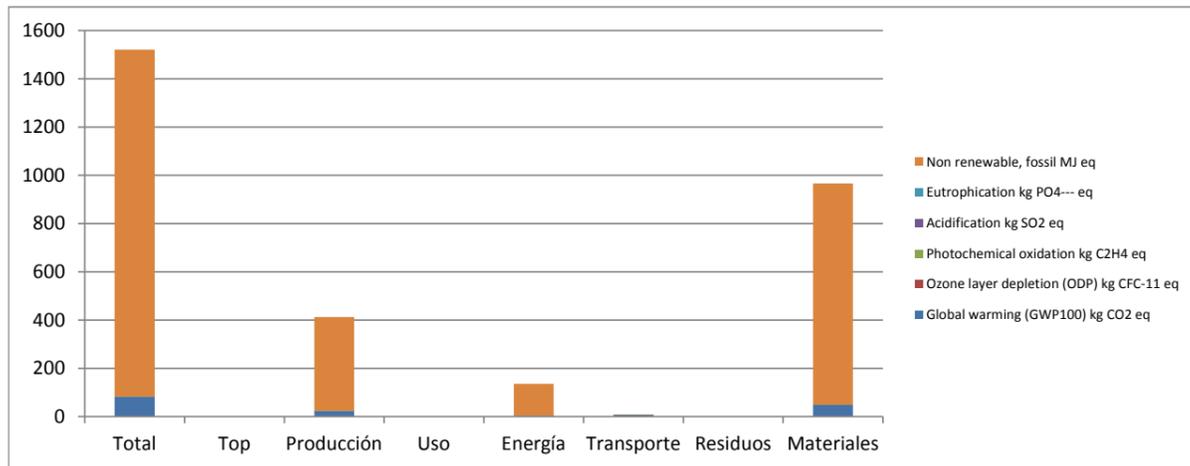
STAY chair

Ref: 900213G13

Report Data 31.10.2012

5. Impact produced by life cycle stage. In includes six stages: Production, Use, Energy, Transport, Waste and Materials.

Impact Category	Uts.	Total	Top	Production	Use	Energy	Trsp.	Waste	Mat.
Global warming (GWP100)	kg CO2 eq	81,79881909	0	23,42415677	0	2,543331121	6,917	1,64626E-08	48,91
Ozone layer depletion (ODP)	kg CFC-11 eq	5,12021E-06	0	1,04676E-06	0	2,25416E-07	6E-10	0	4E-06
Photochemical oxidation	kg C2H4 eq	0,093671942	0	0,028237427	0	0,003116265	0,005	1,34516E-11	0,057
Acidification	kg SO2 eq	0,573666112	0	0,226539486	0	0,015433805	0,05	2,07003E-10	0,282
Eutrophication	kg PO4--- eq	0,042795193	0	0,006725231	0	0,00134172	0,007	4,24901E-11	0,028
Non renewable, fossil	MJ eq	1438,46298	0	388,7044873	0	132,9768669	0,01	0	916,8



EPD Environmental Product Declaration



Ref: 900213G13

STAY chair

Report Data 31.10.2012

6. Ecodesign improvements considered.

ACTIU products are designed considering different environmental strategies. According to their level of complexity, the strategies used are classified into one of the following. Here are some of the choices for ecodesign significant product.

PRODUCT STRATEGY ECODESIGN	CHOICES
Low impact materials selection	Designed to be manufactured with 51% recycled materials
	100% recycled aluminium
	Powder paint with no VOC emissions
	Limitation on use of hazardous substances. Without chromium, mercury, cadmium
Optimization of product techniques	Recycled cardboard packaging
	Optimizing energy use throughout the production process
	Low manufacturing energy consumption. Minimum environmental impact.
	Painting processes of high technology systems.
Optimization of distribution system	Recovery unused paint in the process. Zero emissions of VOCs.
	Closed water circuits. Heat recovery.
	Automated manufacturing systems. Planning the cutting process.
	Reducing energy. Removable systems. Low volume packaging. Spaces optimization.
Optimization of product life	Saving energy and Flexibility. Modular system adaptable between different models.
	Long life guarantees
	Adaptability and growth facilities.
Optimization of the end of system life	Replacement parts possibilities.
	Easy Maintenance
	Easy separation of product components
Optimization of the end of system life	High degree of recyclability of the product: 91%
	Packaging reuse system between ACTIU and its providers to avoid waste generation

Bibliography and references

ISO 14025 Environmental labels and declarations – Type III

UNE-EN-ISO 14006 "Ecodesign".

ISO 14006 "Ecodesign"

UNE ISO 14006 "Ecodesign"

Environmental impacts methods

Data base: ETH-ESU System processes, Ecoinvent system processes, IDEMAT, EDIP, IPCC, Ecological Scarcity 2006.

SPACE DIVISION

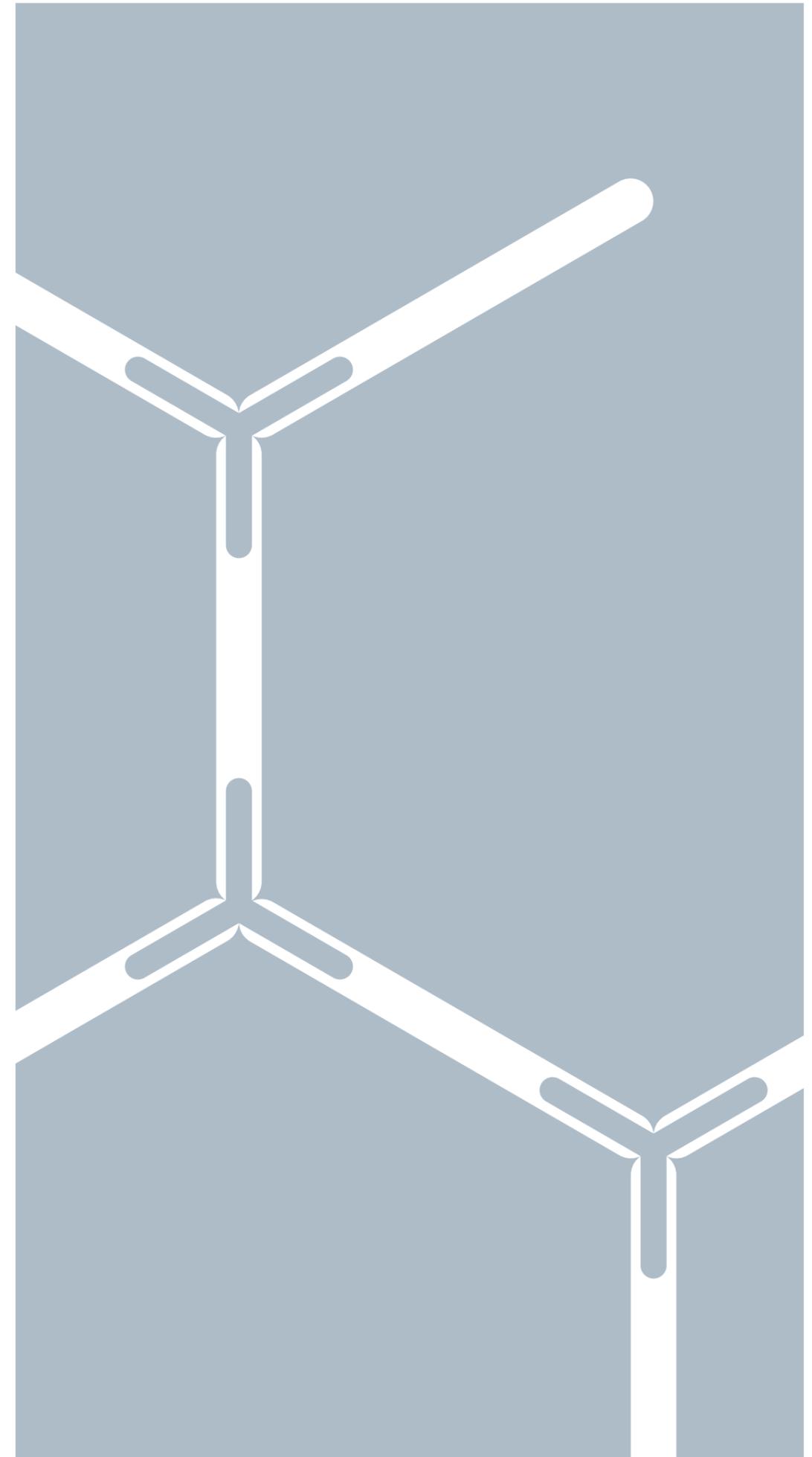
DIVISIÓN DE ESPACIOS -
SÉPARATION DES
ESPACES -
RAUMTRENNUNG

Activate your life, enjoy your work

Actívate en tu vida, disfruta tu trabajo

Ayez une vie active et prenez du plaisir
au travail

Lebe aktiv, genieße deine Arbeit





D500 is an integral division system ideal for the Space arrangements and the cable management of the workplace. Which results in both an original and versatile layouts.

D500 es un sistema integral de división estructural para la gestión del espacio y el trabajo, que permite integrar la electrificación de cada puesto. El resultado son configuraciones tan originales como versátiles y operativas.



Integral division system ideal for the Space arrangements and the cable management of the workplace. Which results in both an original and versatile layouts.

Sistema integral de división estructural para la gestión del espacio y el trabajo, que permite integrar la electrificación de cada puesto. El resultado son configuraciones tan originales como versátiles y operativas.

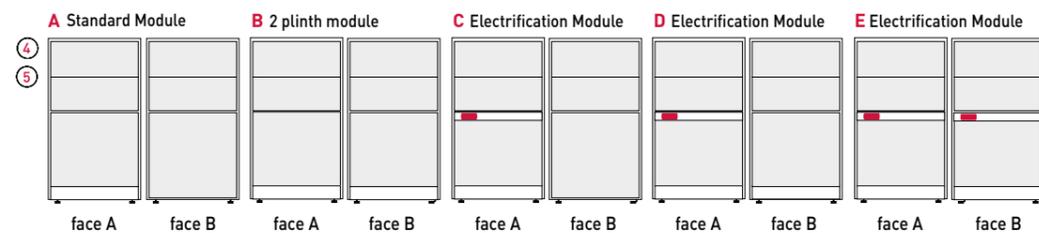


■ CHARACTERISTICS

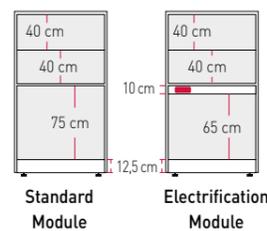


- ① **Top profile** made of 2 mm thick and 7 cm wide **aluminum**. Available in white and silver, in heights of 107, 129.5, and 169.5 and in widths of 60, 80, 100 and 120cm.
- ② Laminated steel 1,5 mm thickness **Frame**. Epoxy finish. Different perforations. First to be used to fix the different modules, second to fix the panels and third to fix the brackets used to support shelves or worktops.
- ③ Panels available in four finishes:
 - White **melamine**, lime oak and silver finishes.
 - Smoked security **glass** 5mm/8mm thick in a transparent finish.
 - **Upholstery** based on 2 mm thick foam favouring better insulation and contact with different qualities and colours.
 - **Steel**.
- ④ Registrable **electrification** top with independent opening system in rolled steel sheet 1.5 mm thickness in an epoxy finish. Available in 60, 80, 100 and 120cm lengths and 10 and 12,5cm heights.
- ⑤ Positioning of window kits with standard connection available
 - A with lower base with 1-side
 - B with lower base B with 2-sides
 - C with lower base and upper connectivity and 1 side
 - D with lower base B with 2-sides and upper connectivity 1-side
 - E with lower base and upper connectivity 2-sides.
- ⑥ Polypropylene cable ties
- ⑦ **Feet with levelers**. Also other optional feet available:
- ⑦a **Flat foot** for a better stability in transit areas. 10 x 28,5 cm and 4 mm thickness. Height adjustable.

■ ELECTRIFICATION OPTIONS



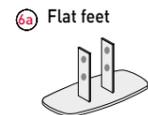
■ PANEL DIMENSIONS



■ PANEL FINISHES



■ OPTIONAL FEET



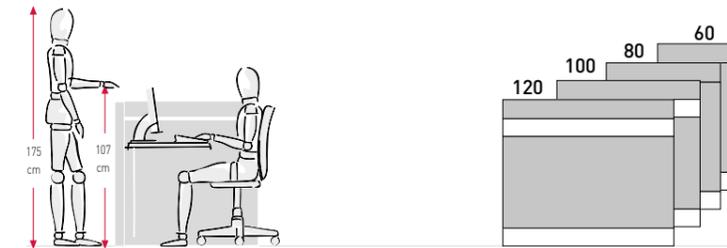
■ TRIMS & LINKIN DEVICES



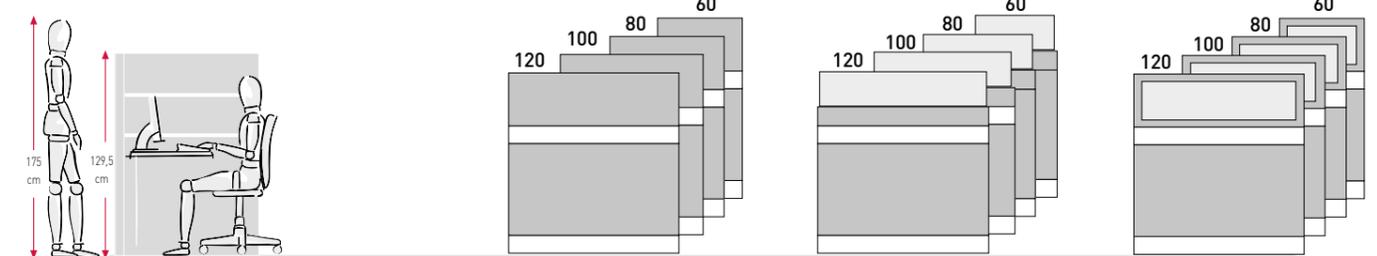
FOR OTHER FINISHES DIFFERENT TO THE STANDARD ONE, CONSULT THE COMMERCIAL DEPARTMENT

■ STANDARD MODULE

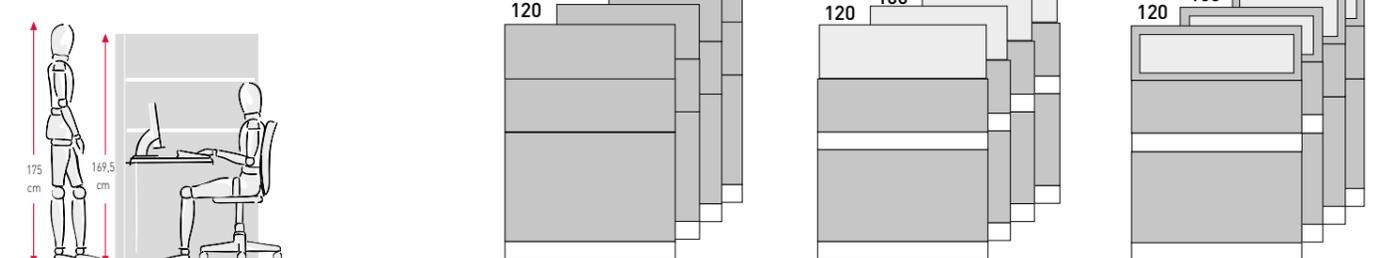
107 cm Height modules



129,5 cm Height modules

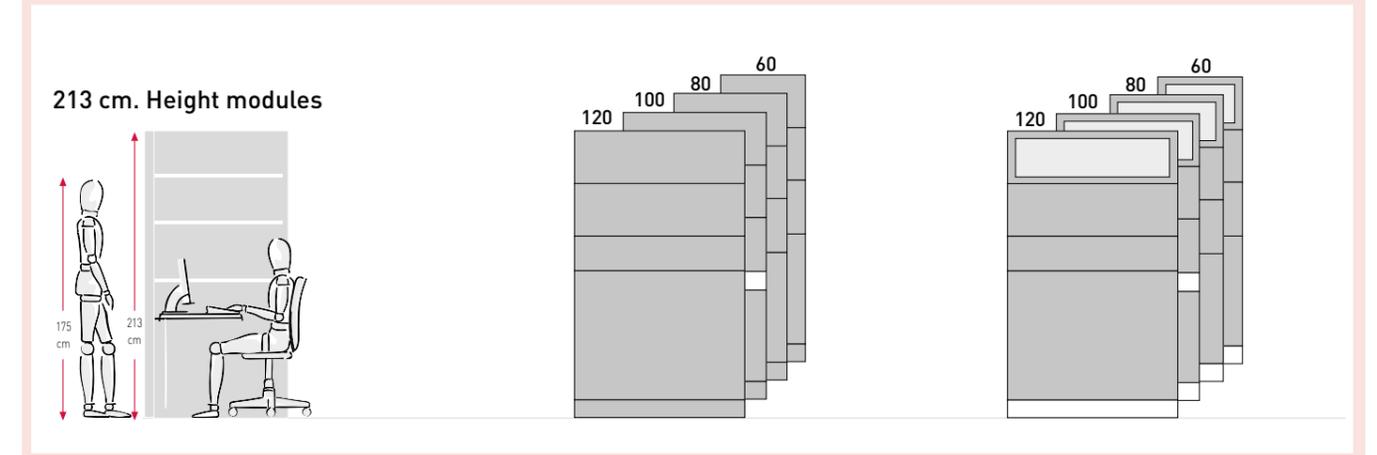


169,5 cm. Height modules

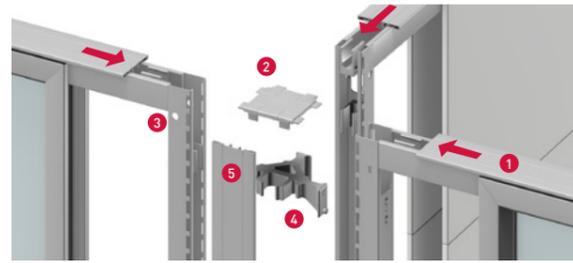


■ MODULES UNDER THE PROJECT

For those projects that require higher walls, with possibilities of closings doors, ACTIU has panels of 213 cm. height. For any configuration of these models, consult the Sales Department.



■ TRIMS & JUNCTION KITS



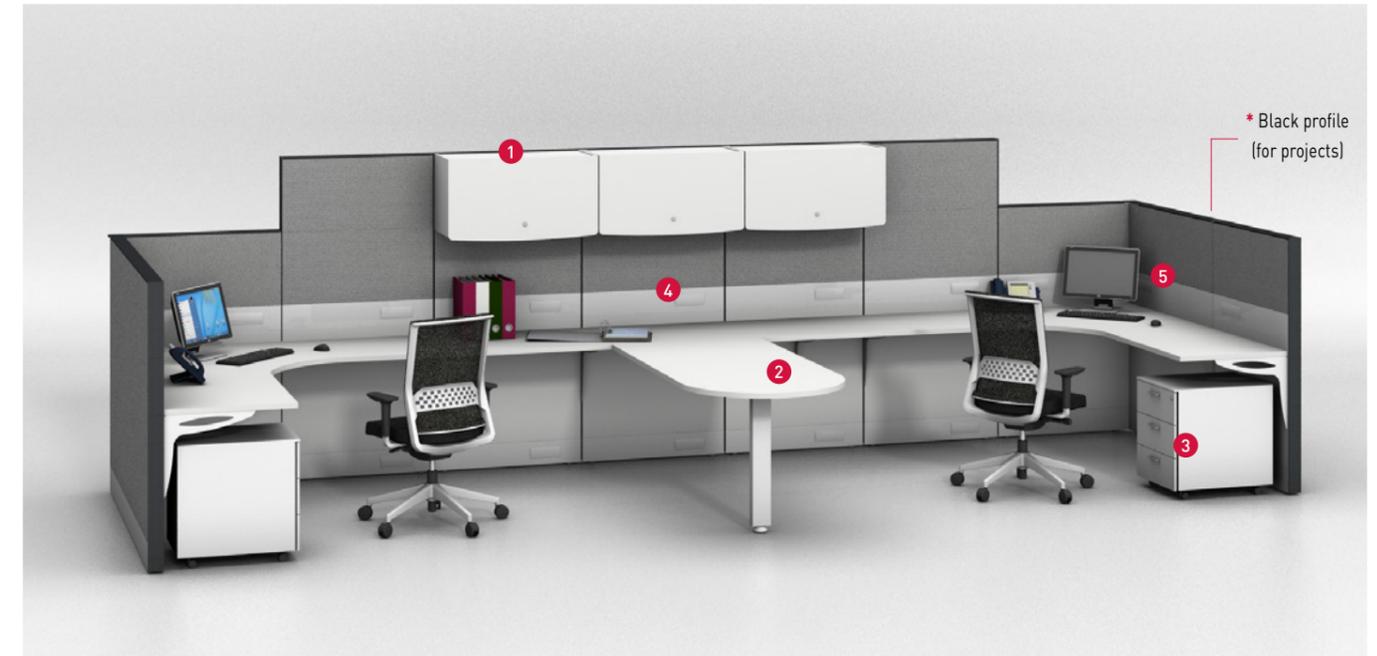
- ① Superior profile made of extruded aluminum in the following sizes 60, 80, 100 and 120 cm. Silver and white finishes.
- ② For the top cover there are 10 different types and they are made from polypropylene aluminised and white
- ③ Internal frame made of steel 1.5 mm with an epoxy painted finish.
- ④ 5 different internal junctions made of zamak.
- ⑤ Side profiles made of extruded aluminum in different sizes (10, 30, 32.5, 42.5, 62.5, 65, 75, 117, 150 and 182 cm). Silver and white finish.

■ PANEL TO PANEL JUNCTION KITS



	▼ Conectors	▼ Caps	▼ Example
Straight panel connector			 Straight panel connector n° 1
Straight panel connector when using unequal panel height			 Strips between two panels included
90° right angle panel connector			
"T" 3 way panel connector			 "T" 3 way panel connectors (n°4), cap and trims
"X" 4 way panel connector			

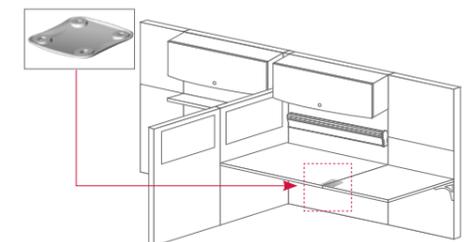
■ ACCESSORIES



* Black profile (for projects)

* Finishes with standard references in white and silver finishes. For any other possible finishes for the project consult the commercial Department.

- ① Hanging cabinets with swing door and locked, made of melamine board 19 mm thickness in different measurements.
- ② Melamine board tables 25 mm thick, with rounded PVC edges R = 2 mm.
NEW: Work surfaces, incorporating an attachment linking plate, providing greater stability.
- ③ Melamine pedestals 16 mm in different finishes. Side finish in white, drawers with metal runners.
- ④ NEW Access to electrification: independent and registrable. Extruded aluminum profile with clip-fixing system. It allows quick and easy access to the electrification wiring.
- ⑤ 3rd level rail made of extruded aluminum in silver or white finishes for placing accessories.





MATERIALS

Maximum use of materials to eliminate and minimize scraps. Use of recyclable and recycled materials in those components that do not affect the functionality and durability.

HIGH%
RECYCLED
MATERIALS



PRODUCTION

Maximum optimization of energy use. Minimal environmental impact. Last generation technological systems. Zero discharge of wastewater. No VOC coatings. Processes free of heavy metals, phosphates, OC and COD.

100%
RECYCLABLE
ALUMINIUM, STEEL
& WOOD



TRANSPORT

Detachable systems. Volumes that facilitate the optimization of space. Maximum reduction of energy consumption by transport.

100%
RECYCLABLE
PACKAGE AND THINNER
FREE



USE

Quality and warranty. Long lasting. Replacements available.

EASY
TO CLEAN
AND MAINTAIN



DISPOSAL

Waste reduction. Supplier-manufacturer packaging reuse system. Components are easy to be separated. Inks in packaging are water-based, without solvents.

HIGH%
RECYCLABLE
MATERIALS

■ **CERTIFICATES AND REFERENCES**

The different programmes get points in different environmental categories to get the LEED certificate (sustainability, material and resources, water, energy and atmosphere, inner environment quality, innovation and design).



The mark of responsible forestry



PEFC Certificate



EN ISO 14006:2011
ECODESIGN Certificate



UNE-EN ISO 9001:2008
ISO 9001 Certificate



UNE-EN ISO 14001:2004
ISO 14001 Certificate



E1 Certificate
by EN 13986



ACTIU TECHNOLOGY PARK
LEED® PLATINUM certified by USGBC
Leadership in Energy & Environmental Design
LEED® Gold certified 2011 - LEED® Platinum certified 2017

■ **STANDARDS**

D500 has passed tests done in our technical department as well as the tests done in **AIDIMA** the Technological Institute for furniture.

The tests correspond to **UNE** standards and office desks:

- **UNE: EN 1023-1:96.** Office furniture. Screens. **Part 1:** Dimensions.
- **UNE: EN 1023-2:96.** Office furniture. Screens. **Part 2:** Mechanical safety requirements.
- **UNE: EN 1023-3:96.** Office furniture. Screens. **Part 3:** Test methods.

EPD Environmental Product Declaration

DIVISORIA D500 ALTURA 169.5, BLANCO ANCHO 100, MELAMINA BLANCO

B1610000

Fecha de Informe 28.12.2015

Certificaciones

ISO 9001:2008
 ISO 14001:2004
 ISO 14006. Ecodiseño
 PEFC. Cadena Custodia Productos Madera
 FSC. Forest Stewardship Council
 GBCE. Green Building Council España



1. Datos sobre el Sistema.

Tipo Producto Nuevo X Rediseño Año del estudio 2015

Alcance de la declaración: Desde la extracción de materias primas a la solución de mesa completa, incluyendo escenario de fin de vida. El detalle de cada una de las fases consideradas y su alcance se incluye a continuación

Materiales	Producción	Transporte	Uso	Fin de vida
Incluye la extracción de materias primas y su transformación, hasta su adquisición por Actiu.	Considera los procesos de producción y montaje de Actiu	Considera los procesos de producción y montaje de Actiu	Esta etapa no tiene relevancia ambiental para el análisis de ciclo de vida. Se estima una durabilidad del producto de 15 años, aunque en realidad puede durar más.	datos de España. Una persona que tenga que deshacerse de la mesa la entregará a un Punto Limpio. Se asume que la parte de aluminio, madera y cartón puede ser reciclada y, el resto es tratado como residuo urbano.

2. Materias Primas Utilizadas. Especificaciones de producto incluyendo el embalaje para el producto final

	KG por solución producto	Porcentaje %	Calidad de los datos	
			Producción de materias primas	Procesado
Aluminio 100% rec.	0,460	2,70%	Datos bibliográficos	Datos bibliográficos
Acero	0,040	0,23%	Datos bibliográficos	Datos bibliográficos
Cartón	1,745	10,24%	Datos bibliográficos	Datos bibliográficos
Plástico	0,000	0,00%	Datos bibliográficos	Datos bibliográficos
Varios	0,000	0,00%	Datos bibliográficos	Datos bibliográficos
TOTAL	2,245	13,18%		
% de materiales reciclados		12,94%		
% de materiales reciclables		96,73%		

El diseño de productos ACTIU está realizado para facilitar la separación de sus componentes y reciclado.

El producto ha sido diseñado para facilitar a las empresas la certificación LEED®. Se pueden obtener créditos LEED® gracias a nuestro producto. Por un lado, contiene un alto porcentaje de materiales reciclados y ha sido fabricado con bajas emisiones a la atmósfera. Por otro lado, ha sido diseñado con estándares ergonómicos. Por último, se puede reciclar fácilmente gracias a que ha sido concebido para un desmontaje e identificación de sus componentes muy sencillo. Todo ello le ayudará a conseguir créditos LEED® para la salud de los empleados y la innovación.

La verificación del proceso de análisis de ciclo de vida se realiza por expertos en Ecodiseño independientes (Consultora Esfera de Negocios) y mediante los criterios de la norma UNE 150301:2003 "Ecodiseño".

Este producto ha sido fabricado en las instalaciones de ACTIU BERBEGAL Y FORMAS. S.A.

www.actiu.com

D500
EPD

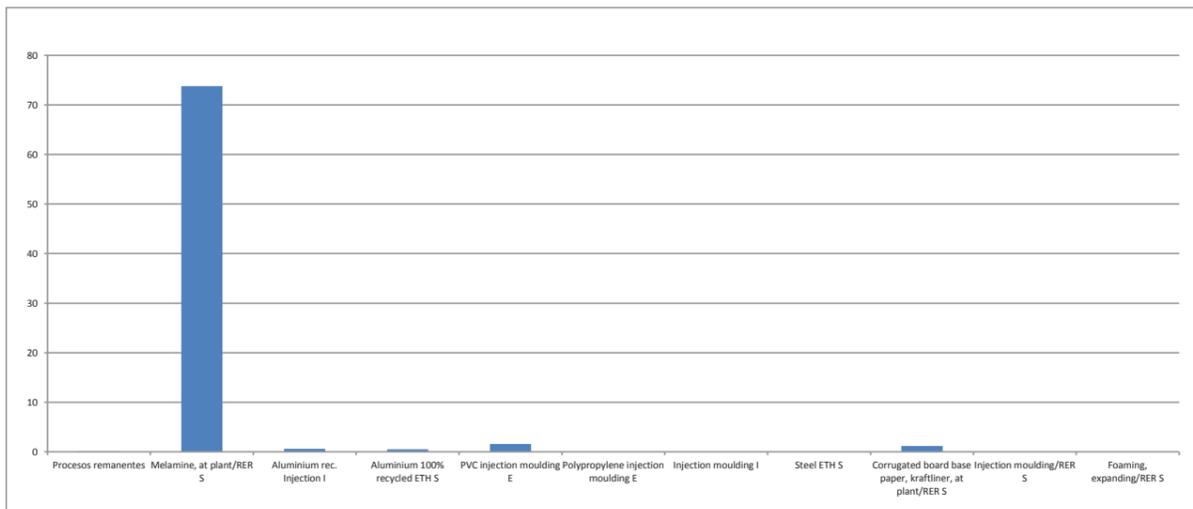
3. Impactos Producidos por Categoría. Se incluyen las cinco sustancias de cada categoría que más impacto tienen en cada una de ellas

Categoría de impacto	Sustancia	Unidad	Total
ACIDIFICACIÓN	Substancias remanentes	kg SO2 eq	5,55112E-17
	Ammonia	kg SO2 eq	0,150568876
	Nitrogen dioxide	kg SO2 eq	0,000368
	Nitrogen oxides	kg SO2 eq	0,05413915
	Sulfur dioxide	kg SO2 eq	0,118009892
	Sulfur oxides	kg SO2 eq	0,001832302
TOTAL		kg SO2 eq	0,32491822

Categoría de impacto	Sustancia	Unidad	Total
EUTROFIZACIÓN	Substancias remanentes	kg P04--- eq	1,81041E-05
	Ammonia	kg P04--- eq	0,032936942
	Dinitrogen monoxide	kg P04--- eq	0,000162993
	Nitrogen dioxide	kg P04--- eq	9,568E-05
	Nitrogen oxides	kg P04--- eq	0,014076179
	Ammonium, ion	kg P04--- eq	0,00243577
TOTAL		kg SO2 eq	0,056468247

Categoría de impacto	Sustancia	Unidad	Total
CALENTAMIENTO GLOBAL	Substancias remanentes	kg CO2 eq	0,137613811
	Carbon dioxide	kg CO2 eq	2,352509818
	Carbon dioxide, fossil	kg CO2 eq	70,29642879
	Carbon monoxide	kg CO2 eq	0,196124241
	Dinitrogen monoxide	kg CO2 eq	0,371123521
	Methane	kg CO2 eq	0,359974287
TOTAL		kg SO2 eq	77,7647869

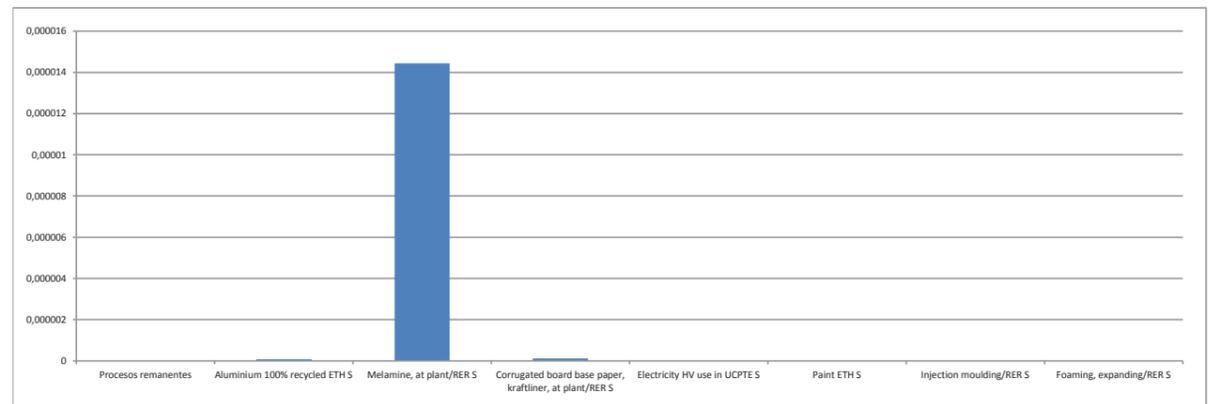
Impacto por elementos de grupo (materiales, procesos, energía, uso, transporte y residuos)



4. Impactos Producidos por Categoría. Se incluyen las cinco sustancias de cada categoría que más impacto tienen en cada una de ellas

Categoría de impacto	Sustancia	Unidad	Total	
REDUCCIÓN CAPA DE OZONO	Substancias remanentes	kg CFC-11 eq	2,55957E-09	
	Methane, bromochlorodifluoro-, Halon 1211	kg CFC-11 eq	1,14793E-05	
	Methane, bromotrifluoro-, Halon 1301	kg CFC-11 eq	2,50645E-06	
	Methane, chlorodifluoro-, HCFC-22	kg CFC-11 eq	6,34149E-07	
	Methane, tetrachloro-, CFC-10	kg CFC-11 eq	4,04542E-08	
	Methane, trichlorofluoro-, CFC-11	kg CFC-11 eq	0	
	TOTAL		kg SO2 eq	1,46629E-05

Impacto por elementos de grupo (materiales, procesos, energía, uso, transporte y residuos)



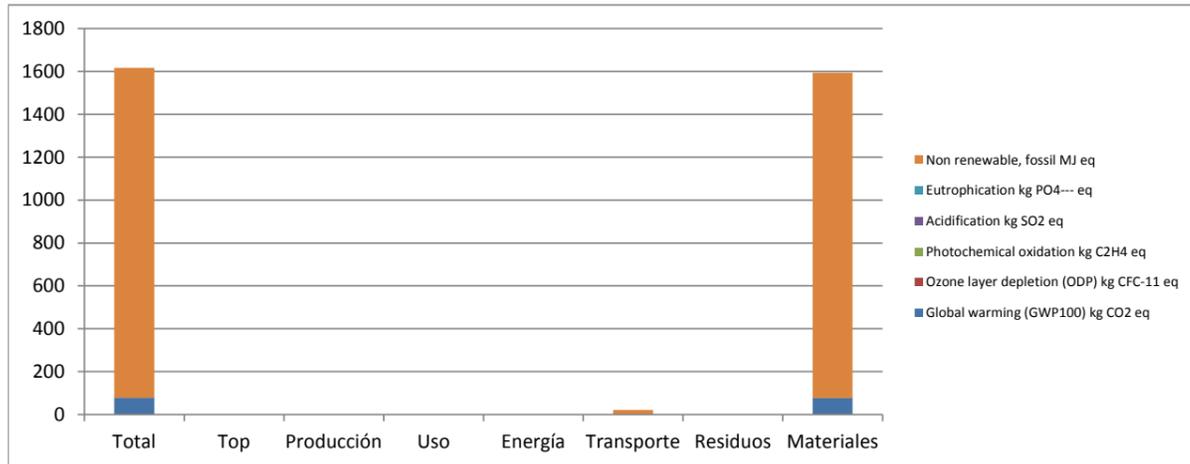
Categoría de impacto	Sustancia	Unidad	Total
SMOG FOTOQUÍMICO	Substancias remanentes	kg C2H4 eq	0,000222932
	Carbon monoxide	kg C2H4 eq	0,000116511
	Carbon monoxide, fossil	kg C2H4 eq	0,003372837
	Ethane	kg C2H4 eq	0,000530786
	Ethene	kg C2H4 eq	6,75796E-05
	Hydrocarbons, unspecified	kg C2H4 eq	0,001313591
TOTAL		kg SO2 eq	0,039470063

Categoría de impacto	Sustancia	Unidad	Total
RECURSOS NO RENOVABLES	Substancias remanentes	MJ eq	3,493303307
	Coal, 18 MJ per kg, in ground	MJ eq	1,829169659
	Coal, 29.3 MJ per kg, in ground	MJ eq	1,927971644
	Coal, brown, 10 MJ per kg, in ground	MJ eq	0
	Coal, brown, 8 MJ per kg, in ground	MJ eq	0
	Coal, brown, in ground	MJ eq	41,25354107
TOTAL		kg SO2 eq	1538,452926

RESIDUOS	Total NO PELIGROSOS	KG	5,96
	Total PELIGROSOS	KG	0,0146

5. Impactos Producidos por Etapa Ciclo de Vida. Se incluyen seis etapas: Producción, Uso, Energía, Transporte, Residuos y Materiales.

Categoría de impacto	Uds.	Total	Top	Producción	Uso	Energía	Trsp.	Residuos	Mat.
Global warming (GWP100)	kg CO2 eq	77,7647869	0	0,007525247	0	0,017087994	1,185	0	76,56
Ozone layer depletion (ODP)	kg CFC-11 eq	1,46629E-05	0	3,85623E-09	0	3,93467E-09	1E-07	0	1E-05
Photochemical oxidation	kg C2H4 eq	0,039470063	0	9,8348E-06	0	1,28334E-05	0,001	0	0,038
Acidification	kg SO2 eq	0,32491822	0	4,91627E-05	0	0,000111083	0,006	0	0,319
Eutrophication	kg PO4--- eq	0,056468247	0	2,04114E-06	0	4,15552E-06	0,002	0	0,054
Non renewable, fossil	MJ eq	1538,452926	0	0,315695626	0	0,379862382	20,72	0	1517



6. Mejoras de Ecodiseño Consideradas.

Los productos de ACTIU son ecodiseñados considerando diferentes estrategias ambientales. De acuerdo a su nivel de complejidad, las estrategias utilizadas se clasifican en alguna de las siguientes. A continuación se describen algunas de las opciones elegidas para el eco diseño del producto significativas

ESTRATEGIA DE ECODISEÑO DE PRODUCTO	OPCIONES ELEGIDAS CON EL PRODUCTO
Selección de materiales de bajo impacto	Uso de materiales reciclados en un 13% Aluminio reciclado 100% Pintura en polvo (sin emisiones COV) Limitación en el uso de sustancias peligrosas. Sin cromo, mercurio, cadmio Embalajes realizados en cartón reciclado.
Optimización de las técnicas de producción	Optimización proceso corte para reducción generación residuos Procesos de pintado con las mejores técnicas disponibles: Cero emisiones de COVs y otros gases contaminantes. Recuperación de la pintura no utilizada en el proceso para su reutilización. Limpieza de metales mediante circuito de agua cerrado Optimización del uso energético en el proceso de fabricación: Recuperación del calor en el proceso de pintado, sistemas de fabricación automatizados para ahorro de energía.
Optimización del sistema de distribución	Embalaje en bultos planos para optimización espacio. Sistema modular para máximo aprovechamiento y combinación de diferentes modelos del programa 15 años duración mínima producto
Optimización de la vida útil del producto	Fácil mantenimiento y limpieza del producto. Se limpia fácilmente con un trapo húmedo con agua. El producto forma parte de un programa modular. Fácil de modificar, ampliar y reparar para optimizar su vida útil.
Optimización del fin de la vida del sistema	Fácil separación componentes del producto Alto grado de reciclabilidad del producto: 97% Sistema de reutilización de embalajes entre ACTIU y su parque de proveedores para evitar la generación de residuos

Bibliografía y referencias

- ISO 14025 Etiquetas ecológicas y declaraciones – Tipo III
- Norma UNE-EN-ISO 150301:2003 "Ecodiseño".
- ISO 14044:2006 "Gestión ambiental. Análisis ciclo de vida. Requisitos y directrices"
- UNE 150301:2003 "Ecodiseño"
- Métodos para el cálculo de impactos ambientales
- Base datos: ETH-ESU System processes, Ecoinvent system processes, IDEMAT, EDIP, IPCC, Ecological Scarcity 2006.

RECEPTION TRANSIT

RECEPCIÓN - TRANSITO -
ACCUEILS -
EMPFANGSTHEKEN -
DURCHGANGSBEREICHE

Each time you stumble, get up and try
again, there lies the glory

Cada vez que tropieces, levántate y
continúa intentándolo, ahí radica la
gloria

Chaque fois que vous trebuchez, relevez-
vous, continuez d'essayer : c'est la cle
de la reussite

Jedes Mal wenn du stolperst, steh auf
und versuche es erneut. Das ist die
Grundlage des wahren Ruhms.



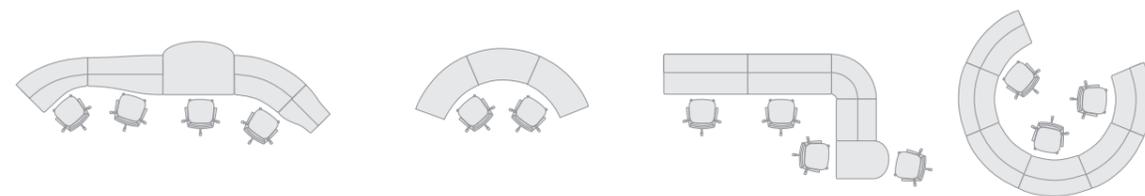
A reception counter system that enables communication in attending areas. A modular system which create's casual, elegant and plain proposals.

INFORMA nace con el objetivo de facilitar y hacer más próxima la comunicación en las zonas de atención, ofreciendo modulaciones ergonómicas y fácilmente transformables según el espacio.

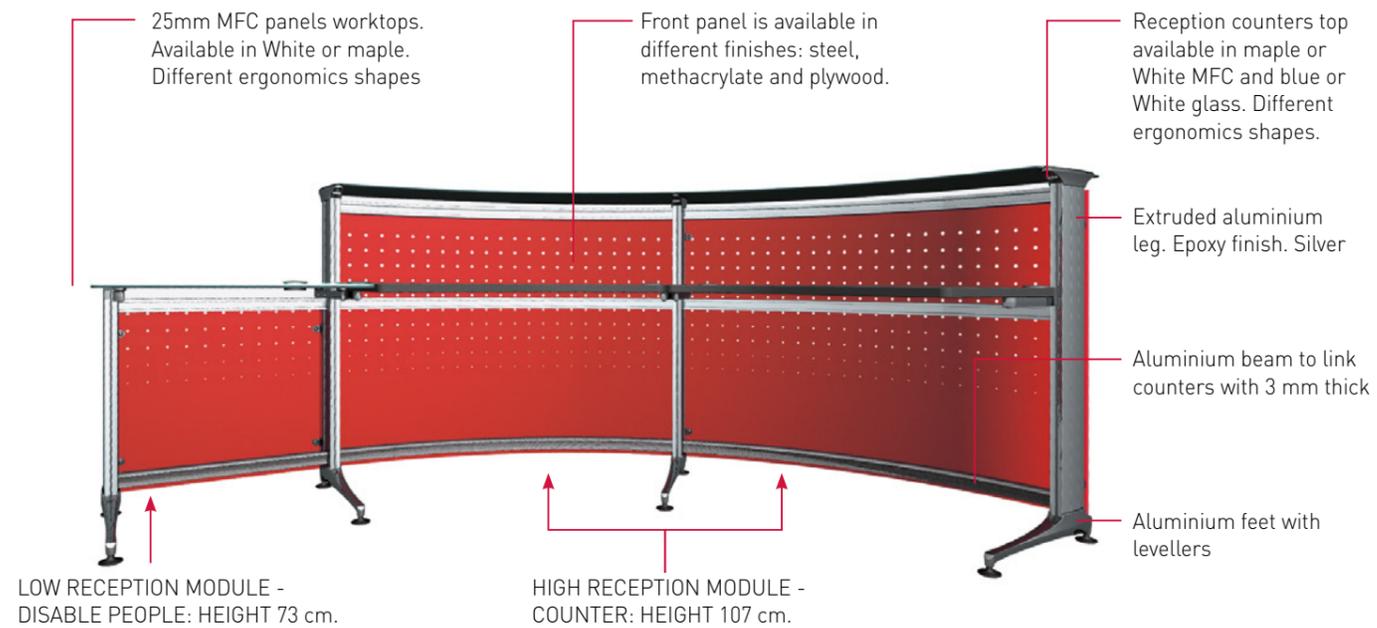


INFORMA includes a range of desks ideal for conference and exhibition spaces. New and functional aesthetics. Low modules complying with DDA disable act standards.

INFORMA ofrece también una colección de mesas destinadas a espacios de conferencia y exposiciones. INFORMA ofrece la posibilidad de incorporar módulos bajos para crear un puesto de atención para personas con problemas de accesibilidad.



Reception Counters



FRAME



- ① **Bottom, middle and top beam:** extruded aluminium 1,5mm, 40x60 mm profile. Epoxy finish. Moulded aluminium arms to fix shelves and worktops.
- ② **Legs:** Extruded aluminium legs. Epoxy finish silver (2 mm thickness). Two heights: 107 cm for high reception modules and 73cm for attending area modules for disable people.
- ③ **Feet:** Moulded aluminium feet. Epoxy finish. Silver. Each foot includes two levellers with anti-skid pad of Polyethylene (PE).

INFORMAACCESSORIES



Cable management:
Informa includes ABS silver cable channels fixed to the beams to get comfortable and correct cable management. Dark grey finished.



Foot rest:
Foot rest included with the lower beams to provide extra comfort and protection for the metal beam.



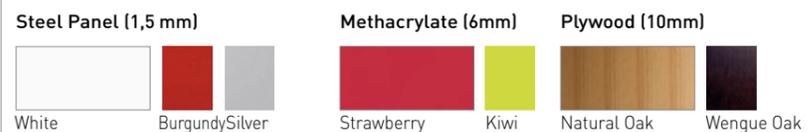
End Panels: (optional)
Informa includes end panels to avoid seeing what there is inside the counter, legs, cables...

SURFACES FINISHES



(see finishes card)

FRONT FINISHES



(see finishes card)

Conference Tables



ESTRUCTURA



- ① **Bottom and top beam:** extruded aluminium 1,5mm, 40x60 mm profile. Epoxy finish. Moulded aluminium arms to fix shelves and worktops.
- ② **Legs:** 73cm Extruded aluminium legs. Epoxy finish silver (2 mm thickness).
- ③ **Feet:** Moulded aluminium feet. Epoxy finish. Silver. Each foot includes two levellers with anti-skid pad of Polyethylene (PE).

INFORMAACCESSORIES



Cable management:
Informa includes ABS silver cable channels fixed to the beams to get comfortable and correct cable management. Dark grey finished.



Foot rest:
Foot rest included with the lower beams to provide extra comfort and protection for the metal beam.



End Panels: (optional)
Informa includes end panels to avoid seeing what there is inside the counter, legs, cables...

WORKTOP FINISHES



(see finishes card)

FRONT FINISHES



(see finishes card)

Finishing will be discontinued once the stock finished.



MATERIALS

Maximum use of materials to eliminate and minimize scraps. Use of recyclable and recycled materials in those components that do not affect the functionality and durability.

62,37%
RECYCLED
MATERIALS



PRODUCTION

Maximum optimization of energy use. Minimal environmental impact. Last generation technological systems. Zero discharge of wastewater. No VOC coatings. Processes free of heavy metals, phosphates, OC and COD.

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ALUMINIUM, STEEL
& WOOD



TRANSPORT

Detachable systems. Volumes that facilitate the optimization of space. Maximum reduction of energy consumption by transport.

100%
RECYCLABLE
PACKAGE AND THINNER
FREE



USE

Quality and warranty. Long lasting. Replacements available.

EASY
TO CLEAN
AND MAINTAIN



DISPOSAL

Waste reduction. Supplier-manufacturer packaging reuse system. Components are easy to be separated. Inks in packaging are water-based, without solvents.

98,12%
RECYCLABLE
MATERIALS

■ **CERTIFICATES AND REFERENCES**

The different programmes get points in different environmental categories to get the LEED certificate (sustainability, material and resources, water, energy and atmosphere, inner environment quality, innovation and design).



The mark of responsible forestry



PEFC Certificate



EN ISO 14006:2011
ECODESIGN Certificate



UNE-EN ISO 9001:2008
ISO 9001 Certificate



UNE-EN ISO 14001:2004
ISO 14001 Certificate



E1 Certificate
by EN 13986



ACTIU TECHNOLOGY PARK
LEED® PLATINUM certified by USGBC
Leadership in Energy & Environmental Design
LEED® Gold certified 2011 - LEED® Platinum certified 2017

MESA INFORMA

Ref. MI3077100

Fecha de Informe 28.01.2010

Certificaciones

ISO 9001:2008
 ISO 14001:2004
 UNE 150301. Ecodiseño
 PEFC. Cadena Custodia Productos Madera
 CCVE. Consejo Construcción Verde España (Spain Green Building Council)



INFORMA
EPD

1. Datos sobre el Sistema.

Tipo Producto Nuevo Rediseño Año del estudio 2009

Alcance de la declaración: Desde la extracción de materias primas a la solución de mesa completa, incluyendo escenario de fin de vida. El detalle de cada una de las fases consideradas y su alcance se incluye a continuación

Materiales	Producción	Transporte	Uso	Fin de vida
Incluye la extracción de materias primas y su transformación, hasta su adquisición por Actiu.	Considera los procesos de producción y montaje de Actiu.	Incluye el transporte desde las instalaciones de Actiu hasta las instalaciones de los clientes, para el mercado nacional. Transporte realizado con camión con semirremolque	Esta etapa no tiene relevancia ambiental para el análisis de ciclo de vida. Se estima una durabilidad del producto de 15 años, aunque en realidad puede durar más.	Se han tomado como referencia datos de España. Una persona que tenga que deshacerse de la mesa la entregará a un Punto Limpio. Se asume que la parte de aluminio, madera y cartón puede ser reciclada y, el resto es tratado como residuo urbano.

2. Materias Primas Utilizadas. Especificaciones de producto incluyendo el embalaje para el producto final

	KG por solución producto	Porcentaje %	Calidad de los datos	
			Producción de materias primas	Procesado
Acero	11,435	14,73%	Datos bibliográficos	Datos específicos
Aluminio	12,748	16,43%	Datos bibliográficos	Datos específicos
Cartón	8,321	10,72%	Datos bibliográficos	Datos específicos
Cristal	25,272	32,56%	Datos bibliográficos	Datos específicos
Plástico	1,2766	1,64%	Datos bibliográficos	Datos específicos
Madera	18,38	23,68%	Datos bibliográficos	Datos específicos
Varios	0,18	0,23%	Datos bibliográficos	Datos específicos
TOTAL	77,613	100,00%		
% de materiales reciclados		62,37%		
% de materiales reciclables		98,12%		

El diseño de productos ACTIU está realizado para facilitar la separación de sus componentes y reciclado. El producto ha sido diseñado para facilitar a las empresas la certificación LEED®. Se pueden obtener créditos LEED® gracias a nuestro producto. Por un lado, contiene un alto porcentaje de materiales reciclados y ha sido fabricado con bajas emisiones a la atmósfera. Por otro lado, ha sido diseñado con estándares ergonómicos. Por último, se puede reciclar fácilmente gracias a que ha sido concebido para un desmontaje e identificación de sus componentes muy sencillo. Todo ello le ayudará a conseguir créditos LEED® para la salud de los empleados y la innovación.

La verificación del proceso de análisis de ciclo de vida se realiza por expertos en Ecodiseño independientes (Consultora Esfera de Negocios) y mediante los criterios de las norma UNE 150301:2003 "Ecodiseño".

EPD Environmental Product Declaration

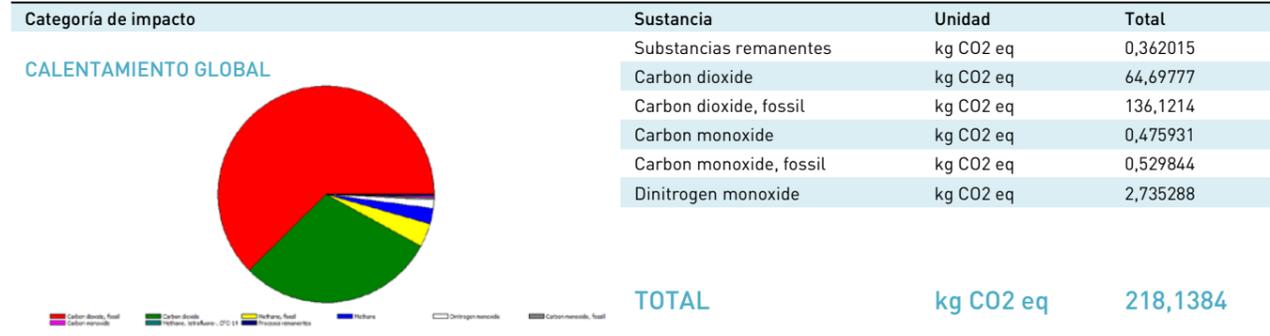
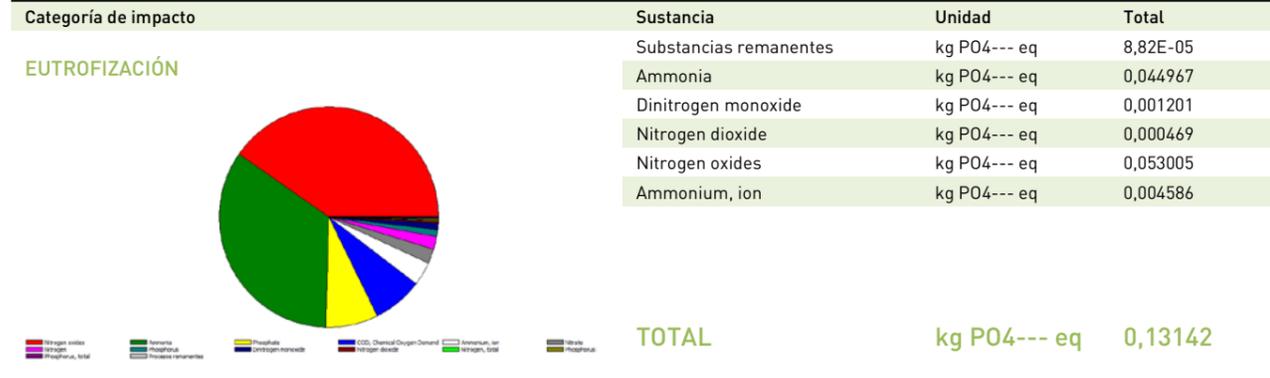
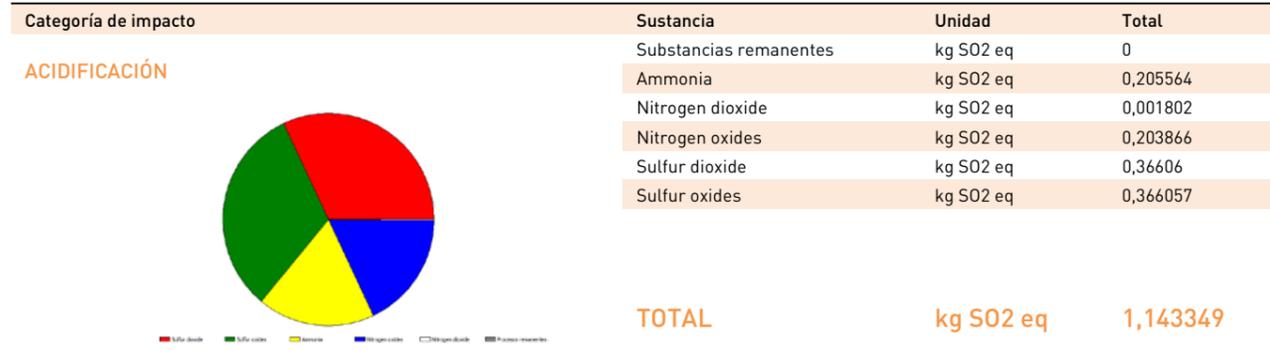


MESA INFORMA

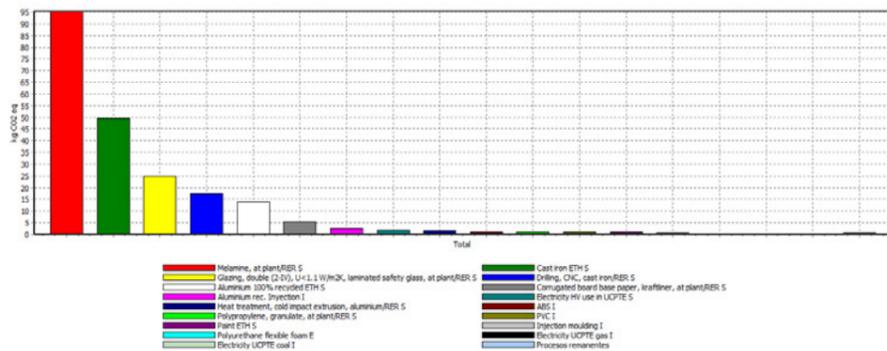
Ref. MI3077100

Fecha de Informe 28.01.2010

3. Impactos Producidos por Categoría. Se incluyen las cinco sustancias de cada categoría que más impacto tienen en cada una de ellas



Impacto por elementos de grupo (materiales, procesos, energía, uso, transporte y residuos)

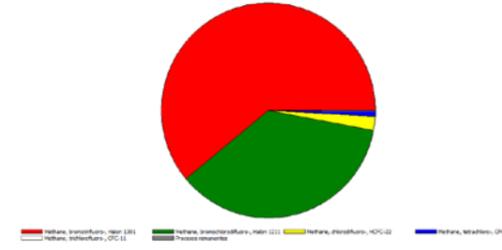


EPD Environmental Product Declaration



Categoría de impacto

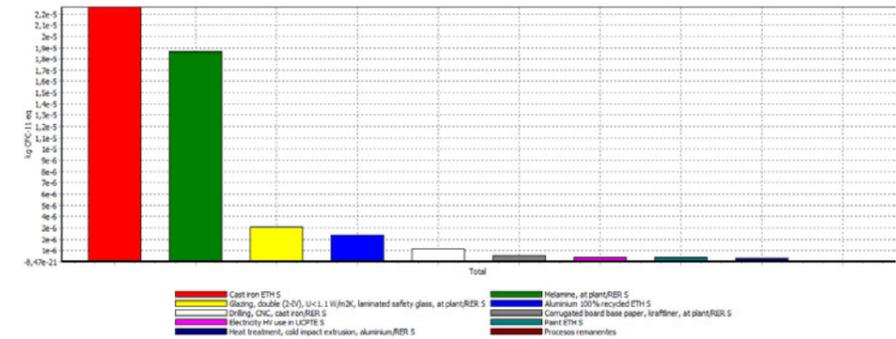
REDUCCIÓN CAPA OZONO



Sustancia	Unidad	Total
Substancias remanentes	Kg CFC-11 eq	2,05E-09
Methane, bromochlorodifluoro-, Halon 1211	Kg CFC-11 eq	1,79E-05
Methane, bromotrifluoro-, Halon 1301	Kg CFC-11 eq	3,02E-05
Methane, chlorodifluoro-, HCFC-22	Kg CFC-11 eq	1,01E-06
Methane, tetrachloro-, CFC-10	Kg CFC-11 eq	3,81E-07
Methane, trichlorofluoro-, CFC-11	Kg CFC-11 eq	7,1E-08

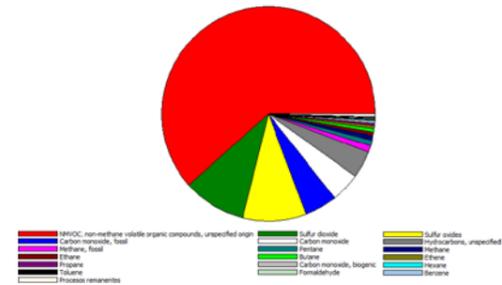
TOTAL **kg CFC-11 eq** **4,96E-05**

Impacto por elementos de grupo (materiales, procesos, energía, uso, transporte y residuos)



Categoría de impacto

SMOG FOTOQUÍMICO

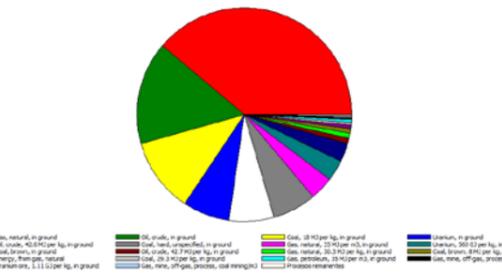


Sustancia	Unidad	Total
Substancias remanentes	kg C2H4 eq	0,000783
Benzene	kg C2H4 eq	0,000202
Butane	kg C2H4 eq	0,000891
Carbon monoxide	kg C2H4 eq	0,008185
Carbon monoxide, biogenic	kg C2H4 eq	0,000608
Carbon monoxide, fossil	kg C2H4 eq	0,009112

TOTAL **kg C2H4 eq** **0,183835**

Categoría de impacto

RECURSOS NO RENOVABLES



Sustancia	Unidad	Total
Substancias remanentes	MJ eq	7,745118
Coal, 18 MJ per kg, in ground	MJ eq	444,2274
Coal, 29.3 MJ per kg, in ground	MJ eq	16,74923
Coal, brown, 8 MJ per kg, in ground	MJ eq	26,31407
Coal, brown, in ground	MJ eq	111,1715
Coal, hard, unspecified, in ground	MJ eq	262,4415

TOTAL **MJ eq** **3953,568**

RESIDUOS

Total NO PELIGROSOS	KG	17,4
Total PELIGROSOS	KG	0,0301

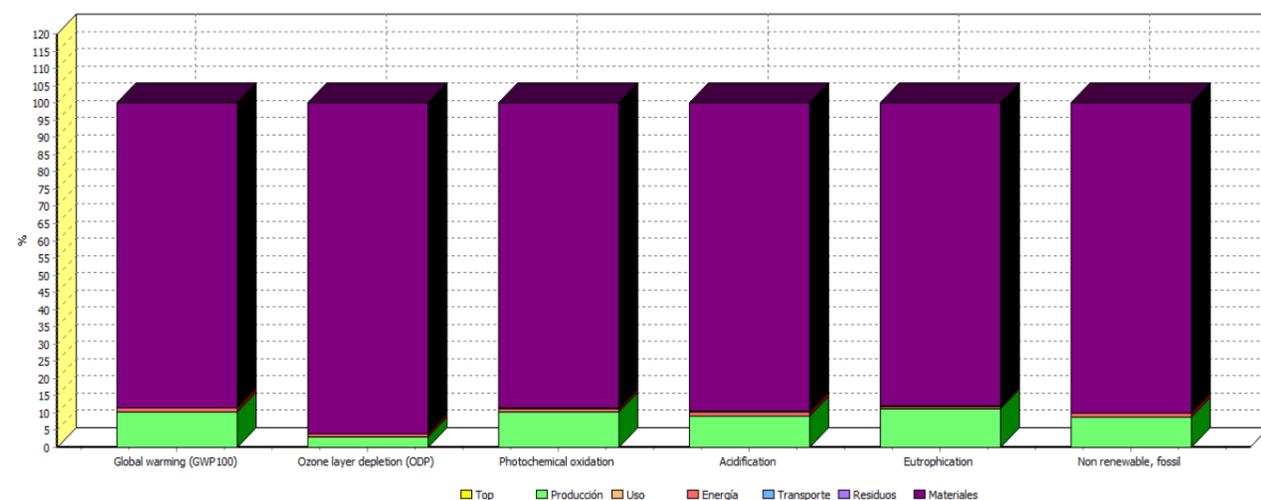
MESA INFORMA

Ref. MI3077100

Fecha de Informe 28.01.2010

4. Impactos Producidos por Etapa Ciclo de Vida. Se incluyen seis etapas: Producción, Uso, Energía, Transporte, Residuos y Materiales.

Categoría de impacto	Unidad	Total	Top	Producción	Uso	Energía	Transporte	Residuos	Materiales
Global warming	kg CO2 eq	218,1384	0	22,23056	0	2,587572	0,122833	0	193,1974
Ozone layer depletion	kg CFC-11 eq	4,96E-05	0	1,48E-06	0	4,5E-07	1,86E-09	0	4,77E-05
Photochemical oxidation	kg C2H4 eq	0,183835	0	0,01916	0	0,001648	0,000195	0	0,162832
Acidification	kg SO2 eq	1,143349	0	0,104619	0	0,014569	0,002119	0	1,022042
Eutrophication	kg PO4--- eq	0,13142	0	0,014802	0	0,000684	0,000322	0	0,115612
Non renewable, fossil	MJ eq	3953,568	0	346,5878	0	51,70912	0,034748	0	3555,237



DIVISORIA D500 ALTURA 169.5, BLANCO ANCHO 100, MELAMINA BLANCO

B1610000

Fecha de Informe 28.12.2015

6. Mejoras de Ecodiseño Consideradas.

Los productos de ACTIU son ecodiseñados considerando diferentes estrategias ambientales. De acuerdo a su nivel de complejidad, las estrategias utilizadas se clasifican en alguna de las siguientes. A continuación se describen algunas de las opciones elegidas para el eco diseño del producto significativas

ESTRATEGIA DE ECODISEÑO DE PRODUCTO	OPCIONES ELEGIDAS CON EL PRODUCTO
Selección de materiales de bajo impacto	Uso de materiales reciclados en un 13% Aluminio reciclado 100% Pintura en polvo (sin emisiones COV) Limitación en el uso de sustancias peligrosas. Sin cromo, mercurio, cadmio Embalajes realizados en cartón reciclado.
Optimización de las técnicas de producción	Optimización proceso corte para reducción generación residuos Procesos de pintado con las mejores técnicas disponibles: Cero emisiones de COVs y otros gases contaminantes. Recuperación de la pintura no utilizada en el proceso para su reutilización. Limpieza de metales mediante circuito de agua cerrado Optimización del uso energético en el proceso de fabricación: Recuperación del calor en el proceso de pintado, sistemas de fabricación automatizados para ahorro de energía.
Optimización del sistema de distribución	Embalaje en bultos planos para optimización espacio. Sistema modular para máximo aprovechamiento y combinación de diferentes modelos del programa
Optimización de la vida útil del producto	15 años duración mínima producto Fácil mantenimiento y limpieza del producto. Se limpia fácilmente con un trapo húmedo con agua. El producto forma parte de un programa modular. Fácil de modificar, ampliar y reparar para optimizar su vida útil.
Optimización del fin de la vida del sistema	Fácil separación componentes del producto Alto grado de reciclabilidad del producto: 97% Sistema de reutilización de embalajes entre ACTIU y su parque de proveedores para evitar la generación de residuos

Bibliografía y referencias

- ISO 14025 Etiquetas ecológicas y declaraciones – Tipo III
- Norma UNE-EN-ISO 150301:2003 "Ecodiseño".
- ISO 14044:2006 "Gestión ambiental. Análisis ciclo de vida. Requisitos y directrices"
- UNE 150301:2003 "Ecodiseño"
- Métodos para el cálculo de impactos ambientales
- Base datos: ETH-ESU System processes, Ecoinvent system processes, IDEMAT, EDIP, IPCC, Ecological Scarcity 2006.

FILING SYSTEMS

SISTEMA ARCHIVO
RANGEMENT
ABLAGESYSTEMEN

Effort, passion and talent. Train your
mind for success

Esfuerzo, pasión y talento. Entrena tu
mente para el éxito

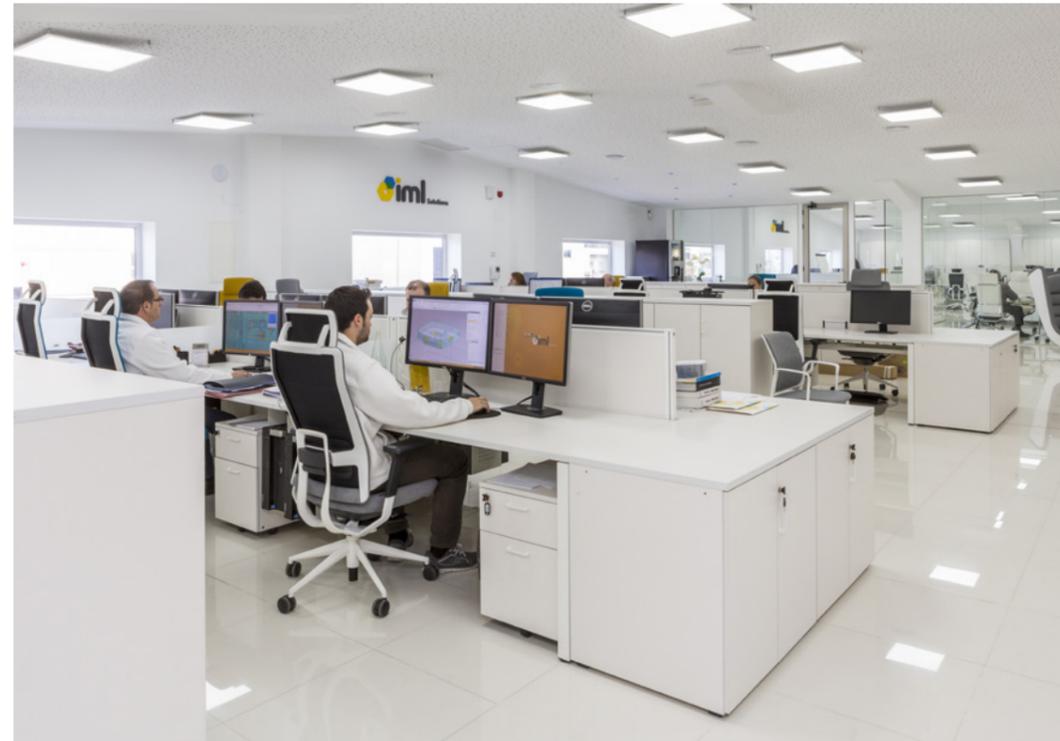
Effort, passion et talent. Exercez
votre capacité mentale pour
rencontrer le succès

Anstrengung, Passion und Talent.
Trainiere deinen Geist für den Erfolg



MELAMINE STORAGES

by Actiu



INDUSTRIAL
SUSTAINABILITY

An unlimited supply capable of serving multiple sectors in various fields : industry, banking, health, education, airport terminals, culture....

Una oferta sin limitaciones capaz de dar servicio a múltiples sectores de diversos ámbitos: industria, banca, sanidad, educación, terminales aeroportuarias, cultura,....





STORAGES

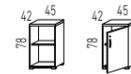
EASY ACCESS SPACES

■ MFC STORAGES GENERAL FEATURES

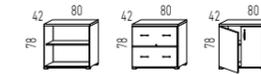
		MFC STORAGES GENERAL FEATURES
STRUCTURAL FEATURES	Material	Chip wood board divided in three layers, particle board with pressed synthetic resins in hot temperature. Sanding. Density 630 Kg/m ³ . Covered with mfc decorative paper. (Different thicknesses:10, 16, 19, 25 and 30 mm)
	Frame	Easy to assembling and dismantled.
	Side Panels	MFC 19 mm thickness and 650 Kg/m ³ density
	Base	Base without obstacles
	Linking devices	Intuitive and easy assembling system. Clipping, hooking and screwing systems by using eccentric fittings with steel bolts
	Shelves	MFC 25 mm thickness and 630 Kg/m ³ density
	Suspension files Optional	Optional steel metal shelves 0,8 mm thickness, double lower runner for suspension files
	Height adjustable shelves	Easy to adjust. Height points every 32 mm
Capacity	Easy access spaces. Optimum capacity for DIN A4 folders	
COMPLEMENTARY FEATURES	Handles	Ergonomics.Zamak moulded products (zinc, aluminium, magnesium and copper alloy) silver finish
	Lock	Lock with two positions. Open and close. Unique key. Top security
	Leveller	4 levelers. Inner easy access +20 mm. Perfectly lined up
	Assembling time	6-8 min. (two people)
TECHNICAL DETAILS	Scratches resistance (UNE EN 14323)	≥ 1,5 N
	Spot resistance (UNE EN 14323)	≥ Grade 3. Non visible defects
	Exhaustion resistance (UNE EN 14323)	≥ Grade 3. Resistant
	Surface aspect (UNE EN 14323)	Silk texture, mate finish. Grade 4
	Edges damages (UNE EN 14323)	≤ 10 mm/m
	Points fault (UNE EN 14323)	≤ 2 mm ² /m ²
	Scratches faulty (UNE EN 14323)	≤ 20 mm ² /m ²
	Covering	Decorative paper covered by resistant melamine, specially for horizontal applications. Non fingerprints
	Covering thickness (UNE EN 14323)	Standard thickness = 120 gr. Perfect product to be used in surfaces with a constant use
	Resistance to aggressive home cleaning products without solvent (UNE EN 14323)	Good resistance to acids, alcalys and room temperature oils
Resistance to spots (UNE 14323)	Without visible defects	
Maintenance	Easy to clean. Use PH neutral products	

STORAGE UNITS - HEIGHT 78 cm.

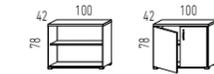
Width 45 cm.



Width 80 cm.

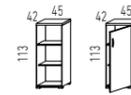


Width 100 cm.

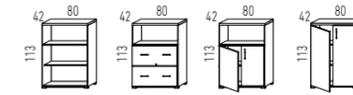


STORAGE UNITS - HEIGHT 113 cm.

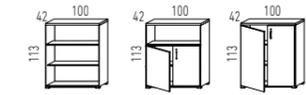
Width 45 cm.



Width 80 cm.

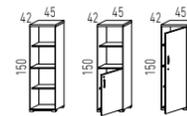


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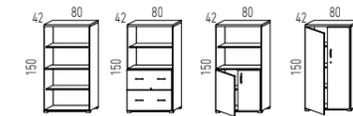


STORAGE UNITS - HEIGHT 150 cm.

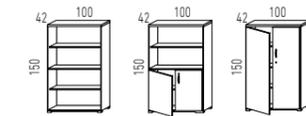
Width 45 cm.



Width 80 cm.

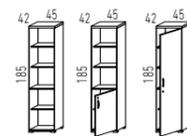


Width 100 cm.

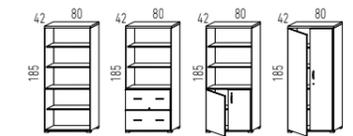


STORAGE UNITS - HEIGHT 185 cm.

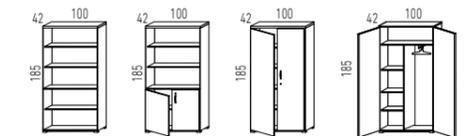
Width 45 cm.



Width 80 cm.

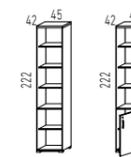


Width 100 cm.

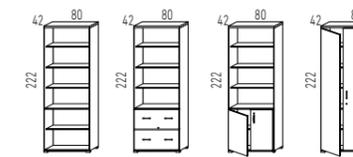


STORAGE UNITS - HEIGHT 222 cm.

Width 45 cm.



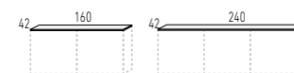
Width 80 cm.



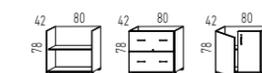
STORAGE UNITS WITH SHARED TOP - HEIGHT 78 cm. / 113 cm.

Width 80 cm.

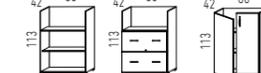
Shared Top



Storage Unit without Top - Height 78 cm.



Storage unit without Top - Height 113 cm.

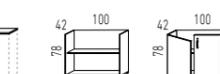


Width 100 cm.

Shared Top



Storage unit without Top - Height 78 cm.



Storage unit without Top - Height 113 cm.



DOUBLE STORAGES WITH CABLE ACCESS - HEIGHT 78 cm. / 113 cm.

Width 80 cm.





■ FEATURES

- 1 Top MFC 25 mm thickness
- 2 Shelves MFC 25 mm thickness or steel metal shelves 0,8 mm thickness, double lower runner for suspension files
- 3 Side Panels MFC 19 mm thickness
- 4 16 mm matching back panel for corridors
- 5 Dismantling frame
- 6 Open-close position locker
- 7 Optimum capacity for DIN A4 folders
- 8 Handles. Zamak moulded products
- 9 Height adjustable shelves, different positions every 32 mm
- 10 Anti humidity feet with levellers
- 11 4 levelers. Inner easy access
- 12 Obstacle free

Storages with doors:

- 13 Hinged doors manufactured by MFC 16mm or aluminium frame with 4 mm thickness glass
- 14 Hinges with automatic lock on system. Three positions. Self-locking door
- 15 Silent system hinges to close the doors gently (Optional)
- 16 Locking system with longitudinal flat side latches

Storages with filing drawer:

- 17 Steel telescopic balls bearing slides. Maximum length. Pre-galvanized, layer passivization, electrolytic to salt resistance
- 18 Front filing drawers manufactured in melamine 16 mm thicknesses
- 19 Drawers made of resistant thermoplastic material in silver finish.
- 20 Lock with anti tilt mechanism

■ FINISHES (see finishes card)

MELAMINE (MFC) - 1 COLOUR



White Lime Oak Walnut-N Chestnut Wengue Dark Oak

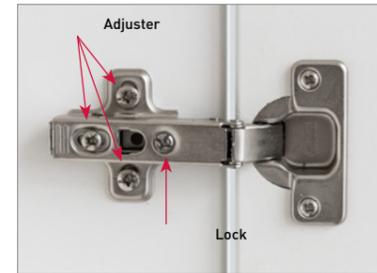
MELAMINE (MFC) - 2 COLOURS



Silver/White Silver/Maple Silver/Light oak Silver/Elm Silver/Walnut-N Silver/Chestnut



White/Lime Oak White/Chestnut



Cabinet hinges Ø35 mm. Quick assembly, hardy, easy adjustment. (For other type of hinges, please check with Actiu Sales Department)



Shelves



Height adjustable shelves



Filing drawer



Pull out frame



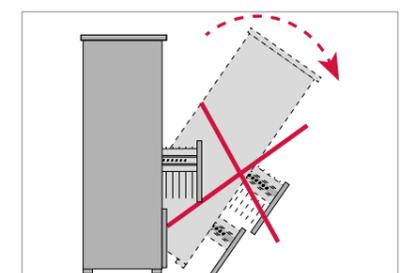
Aluminium Handle:
 - White MFC or Lime Oak: White Handle.
 - White MFC / Lime oak: White Handle.
 - Rest of MFC finishes: Aluminium Handle



Locking bar



16 mm matching back panel



Anti tilt mechanism



Anti humidity feet with levellers



Levelling adjustment



MATERIALS

Maximum use of materials to eliminate and minimize scraps. Use of recyclable and recycled materials in those components that do not affect the functionality and durability.

76,04%
RECYCLED
MATERIALS



PRODUCTION

Maximum optimization of energy use. Minimal environmental impact. Last generation technological systems. Zero discharge of wastewater. No VOC coatings. Processes free of heavy metals, phosphates, OC and COD.

100%
RECYCLABLE
ALUMINIUM, STEEL
& WOOD



TRANSPORT

Detachable systems. Volumes that facilitate the optimization of space. Maximum reduction of energy consumption by transport.

100%
RECYCLABLE
PACKAGE AND THINNER
FREE



USE

Quality and warranty. Long lasting. Replacements available.

EASY
TO CLEAN
AND MAINTAIN



DISPOSAL

Waste reduction. Supplier-manufacturer packaging reuse system. Components are easy to be separated. Inks in packaging are water-based, without solvents.

96,02%
RECYCLABLE
MATERIALS

■ **CERTIFICATES AND REFERENCES**

The different programmes get points in different environmental categories to get the LEED certificate (sustainability, material and resources, water, energy and atmosphere, inner environment quality, innovation and design).



The mark of responsible forestry



PEFC Certificate



EN ISO 14006:2011
ECODESIGN Certificate



UNE-EN ISO 9001:2008
ISO 9001 Certificate



UNE-EN ISO 14001:2004
ISO 14001 Certificate



E1 Certificate
by EN 13986



ACTIU TECHNOLOGY PARK
LEED® PLATINUM certified by USGBC
Leadership in Energy & Environmental Design
LEED® Gold certified 2011 - LEED® Platinum certified 2017

■ **STANDARDS**

MFC STORAGES has passed tests done in our technical department as well as the tests done in **AIDIMA** the Technological Institute for furniture. The tests correspond to **UNE** standards and Filing system cabinets:

- **UNE: EN14073-2:05.** Office furniture. Tables and desks and storage furniture. Safety requirements.
- **UNE: EN 14073-3:05.** Office furniture. Tables and desks and storage furniture. Test methods for the determination of stability and strength of the structure.
- **UNE: EN 14074:05.** Office furniture. Tables and desks and storage furniture. Test methods for the determination of strength and durability of moving parts.

STORAGE UNITS

Ref. A15300

Report Data 01.04.2010

Certificaciones

ISO 9001:2008
 ISO 14001:2004
 UNE 150301. Ecodesign
 PEFC. Chain Custody Products Wood
 CCVE. Spain Green Building Council



STORAGE UNITS

EPD

1. Data on the System.

Type New Product Redesign Studied Year 2009

Declaration Scope: From extraction of raw materials to complete desk solution, including end of life. The detail of each of the phases considered and its scope is included below

Materials	Production	Transport	Use	End of life
Including the extraction and processing of raw materials and component sourcing to its delivery at the Actiu Technological Park.	Consider the production and assembly processes used in Actiu.	Includes from the Actiu Technological Park to our customers facilities. Transport is provided through light commercial transport.	This stage has not environmentally relevance for life cycle analysis.	Any product can be disposed of in different ways, or become a resource. Drawing on national average dates, it is supposed that aluminium, wood and cardboard packaging is recycled, while the rest is treated as urban waste.

2. RAW MATERIALS USED FOR THE PRODUCT. Product specifications, including packaging

	KG of product solution	Percentage %	Quality of finishes	
			Production of raw material	Processed
Wood	57,6544	88,97%	Datos bibliográficos	Datos específicos
Steel	1,419	2,19%	Datos bibliográficos	Datos específicos
Paperboard	3,15	4,86%	Datos bibliográficos	Datos específicos
Plastic	2,575903	3,98%	Datos bibliográficos	Datos específicos
TOTAL	64,799	100,00%		
% recycled materials		76,04%		
% recyclable materials		96,02%		

ACTIU product design is made to facilitate the separation of its components and recycling. The product is designed to help companies LEED® certification. You can obtain LEED® credits with our product. On the one hand, contains a high percentage of recycled materials and is manufactured with low emissions to the atmosphere. On the other hand, has been designed with ergonomic standards. Finally, it can be easily recycled because it is designed for disassembly and identification of very simple components. This will help you achieve LEED® credits for employee health and innovation.

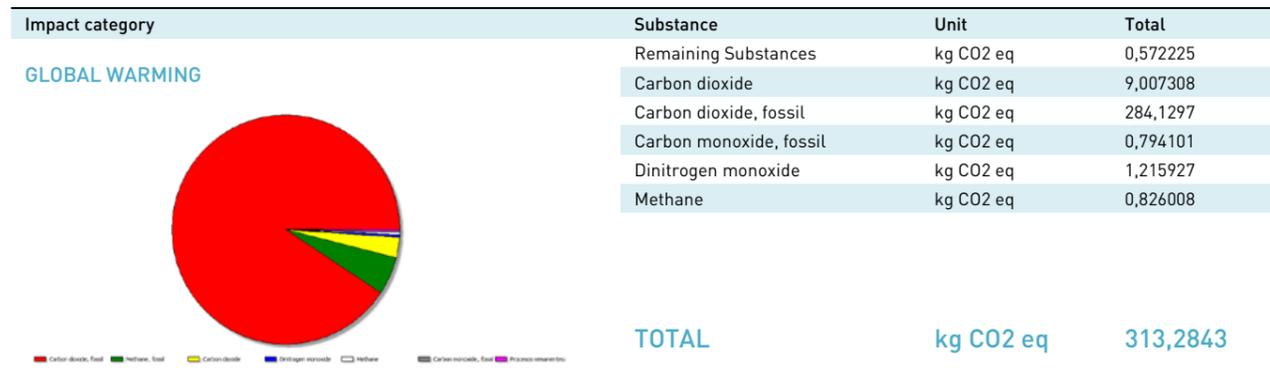
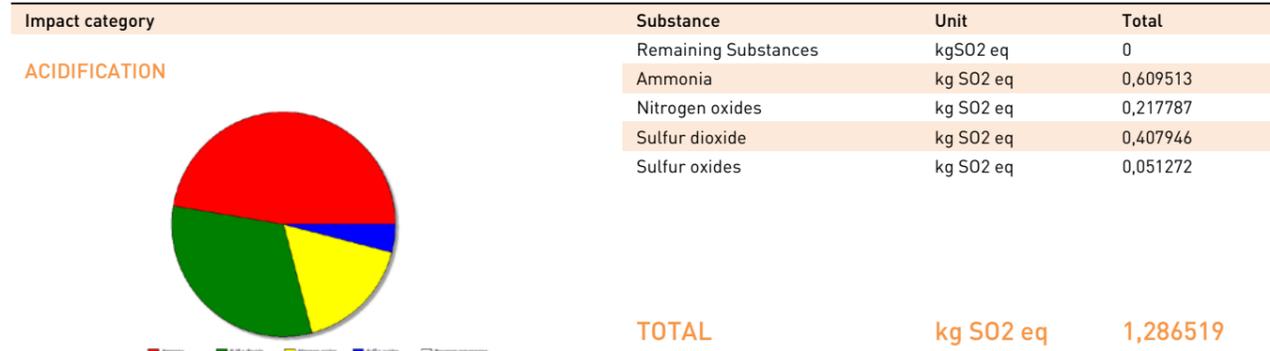
The verification process life cycle analysis is performed by independent experts in Ecodesign (Consultant Business Area) and using the criteria of the standard ISO 14006 "Ecodesign".

STORAGE UNITS

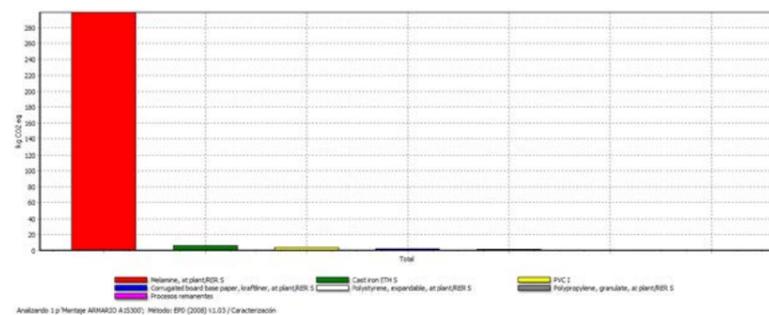
Ref. A15300

Report Data 01.04.2010

3 Impacts produced by category. Five substances area included in each category have the greatest impact in each category



Impact of group elements (materials, processes, energy, use, transport and waste)

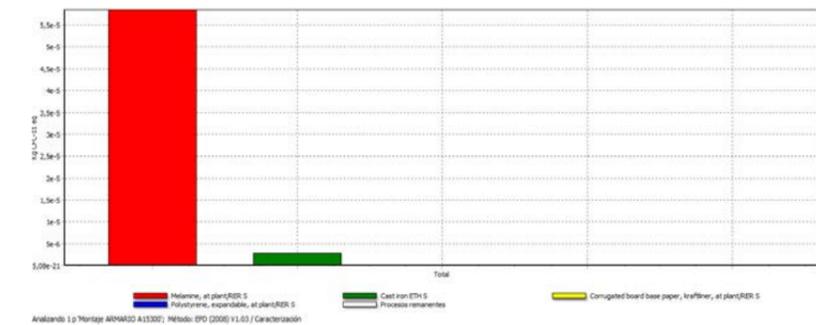


This product has been manufactured in the facilities of ACTIU BERBEGAL Y FORMAS, S.A

Impact category	Substance	Unit	Total
OZONE LAYER REDUCTION	Remaining Substances	kg CFC-11 eq	1E-08
	Methane, bromochlorodifluoro-, Halon 1211	kg CFC-11 eq	4,64E-05
	Methane, bromotrifluoro-, Halon 1301	kg CFC-11 eq	1,24E-05
	Methane, chlorodifluoro-, HCFC-22	kg CFC-11 eq	2,63E-06
	Methane, tetrachloro-, CFC-10	kg CFC-11 eq	1,6E-07



Impact by group elements (materials, processes, energy, use, transport and waste)



Impact category	Substance	Unit	Total
SMOG PHOTOCHEMISTRY	Remaining Substances	kg C2H4	0,00082
	Benzene	kg C2H4	0,00038
	Butane	kg C2H4	0,00167
	Carbon monoxide	kg C2H4	0,001082
	Carbon monoxide, biogenic	kg C2H4	0,000388
	Carbon monoxide, fossil	kg C2H4	0,013657



Impact category	Substance	Unit	Total
NONRENEWABLE RESOURCES	Remaining Substances	MJ eq	14,3497
	Coal, 18 MJ per kg, in ground	MJ eq	50,6217
	Coal, 29.3 MJ per kg, in ground	MJ eq	6,731877
	Coal, brown, in ground	MJ eq	164,3596
	Coal, hard, unspecified, in ground	MJ eq	286,6388
	Gas, natural, 30.3 MJ per kg, in ground	MJeq	25,78383



WASTE	Substance	Unit	Total
	Total NOT DANGEROUS	KG	23,1
	Total DANGEROUS	KG	0,0433

This product has been manufactured in the facilities of ACTIU BERBEGAL Y FORMAS, S.A



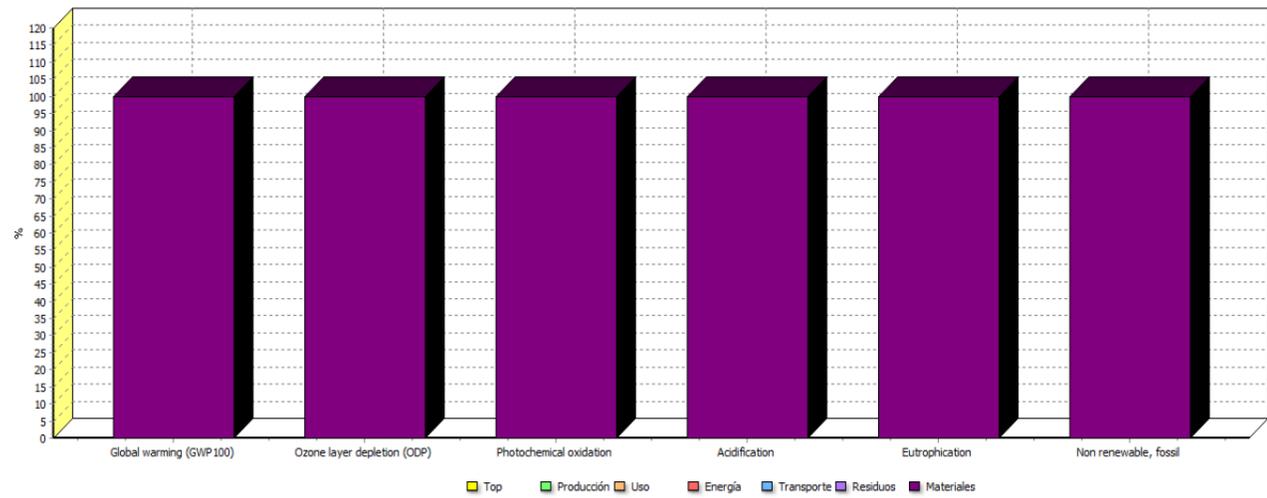
STORAGE UNITS

Ref. A15300

Report Data 01.04.2010

4. Impacts Produced by Life Cycle Stage. Six stages are included: Production, Use, Energy, Transportation, Waste and Materials.

Impact Category	Uts.	Total	Top	Production	Use	Energy	Transport	Waste	Materials
Global warming	kg CO2 eq	313,2843	0	0	0	0,052706	0,001135	0	313,2304
Ozone layer depletion	kg CFC-11 eq	6,16E-05	0	0	0	1,21E-08	1,55E-09	0	6,16E-05
Photochemical oxidation	kg C2H4 eq	0,171664	0	0	0	3,96E-05	5,67E-06	0	0,171619
Acidification	kg SO2 eq	1,286519	0	0	0	0,000343	8,4E-06	0	1,286168
Eutrophication	kg PO4--- eq	0,224211	0	0	0	1,28E-05	3,95E-07	0	0,224198
Non renewable, fossil	MJ eq	6151,6	0	0,55497	0	1,171636	0,029011	0	6149,844



Analizando 1 p 'Montaje ARMARIO A15300'; Método: EPD (2008) V1.03 / Caracterización



STORAGE UNITS

Ref. A15300

Report Data 01.04.2010

5. Ecodesign improvements considered.

ACTIU products are designed considering different environmental strategies. According to their level of complexity, the strategies used are classified into one of the following. Here are some of the choices for ecodesign significant product.

PRODUCT STRATEGY ECODESIGN	CHOICES
Low impact materials selection	Designed to be manufactured with 76% recycled materials 100% recycled aluminium Powder paint with no VOC admissions Limitation on use of hazardous substances. Without chromium, mercury, cadmium Board from recycled wood fibers Table edge without glue VOC content Wood meets E1 standard (reduced emissions, EN13986), does not emit formaldehyde. Recycled cardboard packaging.
Optimization of product techniques	Optimizing energy use throughout the production process Painting processes of high technology systems.: Zero VOC emissions and other pollutants. Recovery unused paint in the process. Zero emissions of VOCs. Cleaning metals by closed water circuit Optimization of energy use in the manufacturing process: Heat recovery in the painting process, automated manufacturing systems for energy savings.
Optimization of distribution system	Low volume packaging. Spaces optimization. Saving energy and Flexibility. Modular system adaptable between different models.
Optimization of product life	15 years minimum duration. Easy Maintenance y cleaning. Easily cleaned with a damp cloth with water. The product is part of a modular program. Easy to modify, expand and repair.
Optimization of the end of system life	Easy separation of product components High degree of recyclability of the product: 96% Packaging reuse system between ACTIU and its providers to avoid waste generation

Bibliography and references

- ISO 14025 Environmental labels and declarations – Type III
- UNE-EN-ISO 150301:2003 "Ecodesign".
- ISO 14044:2006 "Environmental management. Lifecycle analysis. Requirements and guidelines"
- UNE 150301:2003 "Ecodesign"
- Environmental impacts methods
- Data base: ETH-ESU System processes, Ecoinvent system processes, IDEMAT, EDIP, IPCC, Ecological Scarcity 2006.

MELAMINE STORAGES

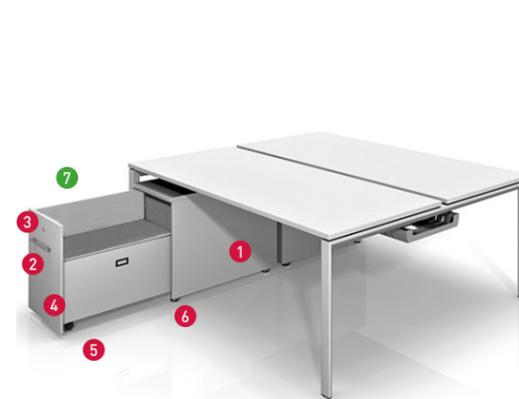
by Actiu



■ GENERALES FEATURES MELAMINE PEDESTALS

GENERALES FEATURES MELAMINE PEDESTALS		
STRUCTURAL FEATURES	Material	Chip wood board divided in three layers, particle board with pressed synthetic resines in hot temperature. Sanding. Density 630 Kg/m ³ . Covered with mfc decorative paper. (Different thicknesses: 16 y 19 mm).
	Structure	Chip wood board covered with MFC decorative paper, 19 mm thickness and 650 Kg/m ³ density.
	Drawer	Monoblock drawer, thermoplastic moulded. High resistance. Divider and pencil tray included.
	Bottom filing drawer	Multipurpose bottom part. Thermoplastic moulded. Support extra castor,
	Locking system. Security	Anti-tilt mechanism included in lock system. Security system to avoid opening more than two drawers at the same time.
	Interchangeble locks	Two position lock. Closed and locked. 1 key available to provide maximum security.
	Castors	Standard castors. Only for mobile pedestals.
	5th castor for filing drawer	Better stability and functionality. Only available in mobile pedestals. Desk heigh pedestals don't need it.
	Gently movements. Soundproofing	Polyamide locking bar to provide silent movements. Runners Stop made of rubber.
	Slides type	Steel telescopic ball bearing slides for total extraction or Steel telescopic precision linear slides for total extraction.
Slides	Telescopic ball bearing slides made of steel, total extraction, pre-galvanized treatment, passivated and electrolytic sealed salt atmosphere resistant.	
	Steel telescopic precision linear slides for total extraction.	
COMPLEMENTARY FEATURES	Handles	Ergonomics. Zamak moulded(zinc, aluminium, magnesium, copper alloy) Silver finish.
	Dividers	Thermoplastic material. High resistant.
	Pencil tray	Thermoplastic material. High resistant.
	Frame	Metal frame suitable for all type of files.
	Tops	Materials and thickness as per the models (Mobile pedestals; Chipboard tops covered by MFC paper, 16 mm thickness and 630kg/m ³ density) MFC 16, 19, 25 o 30 mm thickness, High pressure laminate 25 mm. thickness or compact laminate 13 mm thickness.
	Drawer and filing drawer fronts	Chipboard wood board covered by MFC paper 16 mm thickness and 650kg/m ³ with PVC edges 2 mm thickness.
LAYERS FEATURES	Scratches resistance (UNE EN 14323)	≥ 1,5 N
	Spot resistance (UNE EN 14323)	≥ Grade 3. Non visible defects
	Exhaustion resistance (UNE EN 14323)	≥ Grade 3. Resistant
	Surface aspect (UNE EN 14323)	Silk texture, mate finish. Grade 4
	Edges damages (UNE EN 14323)	≤ 10 mm/m
	Points fault (UNE EN 14323)	≤ 2 mm ² /m ²
	Scratches faulty (UNE EN 14323)	≤ 20 mm ² /m ²
	Covering	Decorative paper covered by resistant melamine, specially for horizontal applications. Non fingerprints
	Covering thickness (UNE EN 14323)	Standard thickness = 120 gr. Perfect product to be used in surfaces with a constant use
	Resistance to aggressive home cleaning products without solvent (UNE EN 14323)	Good resistance to acids, alcalys and room temperature oils
Resistance to spots (UNE 14323)	Without visible defects	
Maintenance	Easy to clean. Use PH neutral products	

PULL OUT PEDESTALS WITH METAL DRAWER AND RUNNERS



■ FEATURES

- 1 MFC structure available in different finishes. Square caps with levelers.
- 2 Large handle.
- 3 Security key.
- 4 Total extraction runners
- 5 Pedestal drawer, soft castors, 37mm diameter. Lockable.
- 6 Square caps with levelers.
- 2 models:
 - 7 Top shelf + Black steel filing drawer case 0.7mm thick. with stabilizing runner. Inlaid handles
 - 8 Top shelf + 2 Black steel drawers case 0.7mm thick.. Optional dividers. Inlaid handles.



LAYOUT EXAMPLES



To use pull out pedestals as a desk support, please check VITAL PLUS ST operative desks range to see all available models.

To use pull out pedestals under the desks with other accessories such as modesty panels, electrification channels and so on, please check first with sales team to be sure that all accessories and sizes ordered are the correct ones.

■ FINISHES

MELAMINE (MFC) - 1 COLOUR

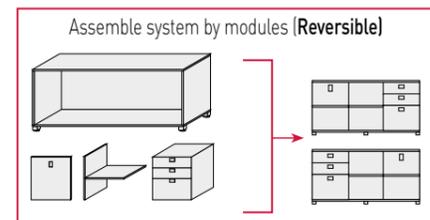


Aluminium Handle:
 - White MFC or Lime Oak: White Handle.
 - Rest of MFC finishes: Aluminium Handle

STORAGE UNITS

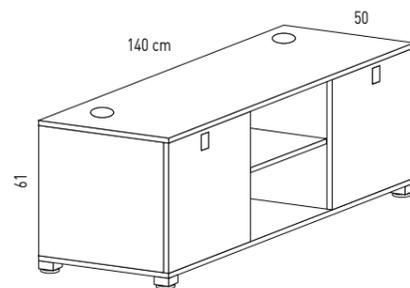


- ① Sliding door
- ② Integrated runner system, Surface totally usable Embossed handles
- ③ Height adjustable shelves each 32 mm
- ④ Fitted handles by injected aluminium
- ⑤ Drawers with total extraction
- ⑥ Optional: Steel side by 2 mm thickness
- ⑦ Cable access Ø 58 cm

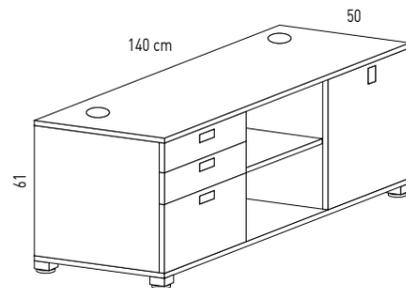


STORAGE UNITS

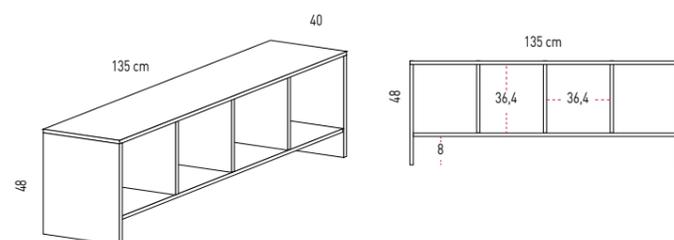
- 2 sliding doors



- Drawers/Door



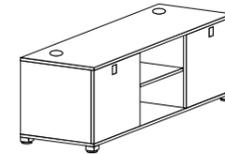
HUTCH IN OPTION



STORAGE UNITS

MFC frame composed by reversible modular system with shelves, sliding doors and or drawers and filing drawers. Two different models:

Model with shelves and sliding doors



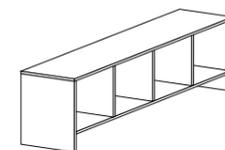
- ① Top and base, 25 mm thickness
- ② Inner side panels, mfc 19 mm thickness. Back panel 16 mm thickness
- ③ Shelves are manufactured by mfc 16 mm thickness. Height adjustable every 32 mm
- ④ Ergonomic handles produced with Zamak, aluminium alloy.
- ⑤ Levelers supports, inner easy access +20 mm
- ⑥ Anti skid PVC cap included in the levelers
- ⑦ 2 cable access Ø80 mm, PVC top cover
- ⑧ MFC sliding door 16 mm thickness
- ⑨ Thermoplastic runner inserted in the base. Plane base without any obstacle

Model with shelves and sliding doors



- ① Top and base, 25 mm thickness
- ② Inner side panels, MFC 19 mm thickness. Back panel 16 mm thickness
- ③ Shelves are manufactured by mfc 16 mm thickness. Height adjustable every 32 mm
- ④ Ergonomic handles produced with Zamak, aluminium alloy.
- ⑤ Drawers: Top security lock. Two positions, open and close. An unique key.
- ⑥ Levelers supports, inner easy access +20 mm
- ⑦ Anti skid PVC cap included in the levelers
- ⑧ 2 cable access Ø80 mm, PVC top cover
- ⑨ Drawers and filing frames with MFC front panel 16 mm thickness
- ⑩ Drawers and filing frames with telescopic steel runners totally opened
- ⑪ Anti tilt mechanism (avoiding to open all drawers at the same time)

Optional hutches for desk-support credenza units.



- ① Optional hutch manufactured by MFC 19 mm thickness. Inner space 36,4 x 36,4 cm

FINISHES



(see finishes card)

Wengue (19) finish will be discontinued in Vital Plus program at the end of this year.



Aluminium Handle:
 - White MFC or Lime Oak: White Handle.
 - Rest of MFC finishes: Aluminium Handle



MATERIALS

Maximum use of materials to eliminate and minimize scraps. Use of recyclable and recycled materials in those components that do not affect the functionality and durability.

62,06%
RECYCLED
MATERIALS



PRODUCTION

Maximum optimization of energy use. Minimal environmental impact. Last generation technological systems. Zero discharge of wastewater. No VOC coatings. Processes free of heavy metals, phosphates, OC and COD.

100%
RECYCLABLE
ALUMINIUM, STEEL
& WOOD



TRANSPORT

Detachable systems. Volumes that facilitate the optimization of space. Maximum reduction of energy consumption by transport.

100%
RECYCLABLE
PACKAGE AND THINNER
FREE



USE

Quality and warranty. Long lasting. Replacements available.

EASY
TO CLEAN
AND MAINTAIN



DISPOSAL

Waste reduction. Supplier-manufacturer packaging reuse system. Components are easy to be separated. Inks in packaging are water-based, without solvents.

94,49%
RECYCLABLE
MATERIALS

■ **CERTIFICATES AND REFERENCES**

The different programmes get points in different environmental categories to get the LEED certificate (sustainability, material and resources, water, energy and atmosphere, inner environment quality, innovation and design).



The mark of responsible forestry



PEFC Certificate



EN ISO 14006:2011
ECODESIGN Certificate



UNE-EN ISO 9001:2008
ISO 9001 Certificate



UNE-EN ISO 14001:2004
ISO 14001 Certificate



E1 Certificate
by EN 13986



ACTIU TECHNOLOGY PARK
LEED® PLATINUM certified by USGBC
Leadership in Energy & Environmental Design
LEED® Gold certified 2011 - LEED® Platinum certified 2017

■ **STANDARS**

PEDESTALS MELAMINE has passed tests done in our technical department as well as the tests done in **AIDIMA** the Technological Institute for furniture. The tests correspond to **UNE** standards and Filing system cabinets:

- **UNE: EN14073-2:05.** Office furniture. Tables and desks and storage furniture. Safety requirements.
- **UNE: EN 14073-3:05.** Office furniture. Tables and desks and storage furniture. Test methods for the determination of stability and strength of the structure.
- **UNE: EN 14074:05.** Office furniture. Tables and desks and storage furniture. Test methods for the determination of strength and durability of moving parts.

DESK-SUPPORT CREDENZA

Ref. AB10200

Report Data 08.07.2010

Certifications

ISO 9001:2008
 ISO 14001:2004
 UNE 150301. Ecodesign
 PEFC. Chain Custody Products Wood
 CCVE. Spain Green Building Council



DESK-SUPPORT CREDENZA EPD

1. Data on the System.

Type	New Product <input checked="" type="checkbox"/>	Redesign <input type="checkbox"/>	Studied Year	2009
Declaration Scope:	From extraction of raw materials to complete desk solution, including end of life. The detail of each of the phases considered and its scope is included below			
Materials	Production	Transport	Use	End of life
Including the extraction and processing of raw materials and component sourcing to its delivery at the Actiu Technological Park.	Consider the production and assembly processes used in Actiu.	Includes from the Actiu Technological Park to our customers facilities. Transport is provided through light commercial transport.	This stage has not environmental relevance for life cycle analysis.	Any product can be disposed of in different ways, or become a resource. Drawing on national average dates, it is supposed that aluminium, wood and cardboard packaging is recycled, while the rest is treated as urban waste.

2. RAW MATERIALS USED FOR THE PRODUCT. Product specifications, including packaging

	KG of product solution	Percentage %	Quality of finishes	
			Production of raw material	Processed
Wood	64,368	77,27%	Bibliographic data	Specific dates
Steel	9,704	11,65%	Bibliographic data	Specific dates
Paperboard	5,515	6,62%	Bibliographic data	Specific dates
Plastic	3,106	3,73%	Bibliographic data	Specific dates
Various	0,609	0,73%	Bibliographic data	Specific dates
TOTAL	83,302	100,00%		
% recycled materials		68,44%		
% recyclable materials		95,54%		

ACTIU product design is made to facilitate the separation of its components and recycling. The product is designed to help companies LEED® certification. You can obtain LEED® credits with our product. On the one hand, contains a high percentage of recycled materials and is manufactured with low emissions to the atmosphere. On the other hand, has been designed with ergonomic standards. Finally, it can be easily recycled because it is designed for disassembly and identification of very simple components. This will help you achieve LEED® credits for employee health and innovation.

The verification process life cycle analysis is performed by independent experts in Ecodesign (Consultant Business Area) and using the criteria of the standard ISO 14006 "Ecodesign".

DESK-SUPPORT CREDENZA

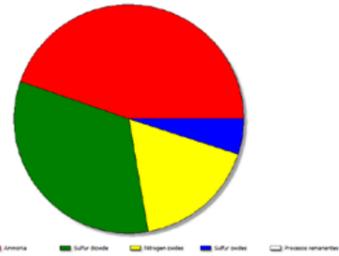
Ref. AB10200

Report Data 08.07.2010

3. Impacts produced by category. Five substances area included in each category have the greatest impact in each category

Impact category	Substance	Unit	Total
ACIDIFICATION	Remaining Substances	kgSO2 eq	0,000299
	Ammonia	kg SO2 eq	0,682012
	Nitrogen oxides	kg SO2 eq	0,264176
	Sulfur dioxide	kg SO2 eq	0,504277
	Sulfur oxides	kg SO2 eq	0,075941

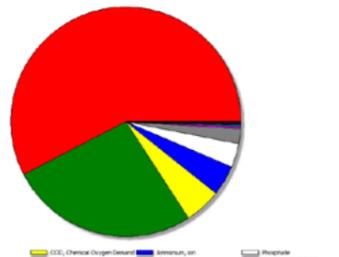
ACIDIFICATION



TOTAL kg SO2 eq **1,526705**

Impact category	Substance	Unit	Total
EUTROFIZACION	Remaining Substances	kg PO4--- eq	0,000199
	Ammonia	kg PO4--- eq	0,14919
	Dinitrogen monoxide	kg PO4--- eq	0,000648
	Nitrogen oxides	kg PO4--- eq	0,068686
	Ammonium, ion	kg PO4--- eq	0,010965
	COD, Chemical Oxygen Demand	kgPO4--- eq	0,013246

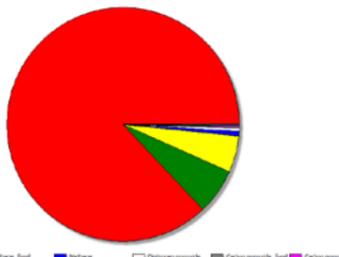
EUTROFIZACION



TOTAL kg PO4--- eq **0,258842**

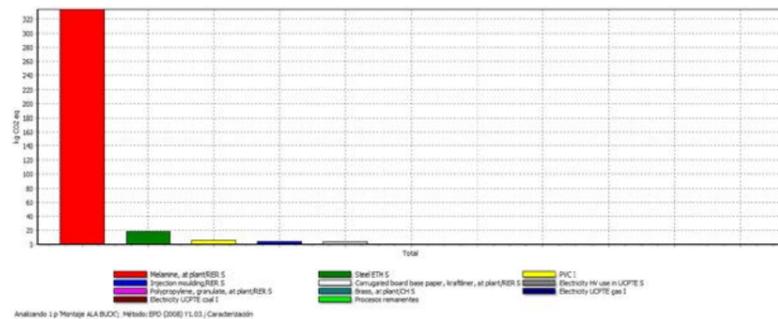
Impact category	Substance	Unit	Total
GLOBAL WARMING	Remaining Substances	kg CO2 eq	0,631799
	Carbon dioxide	kg CO2 eq	23,39447
	Carbon dioxide, fossil	kg CO2 eq	321,3027
	Carbon monoxide	kg CO2 eq	0,467581
	Carbon monoxide, fossil	kg CO2 eq	0,892642
	Dinitrogen monoxide	kg CO2 eq	1,474624

GLOBAL WARMING



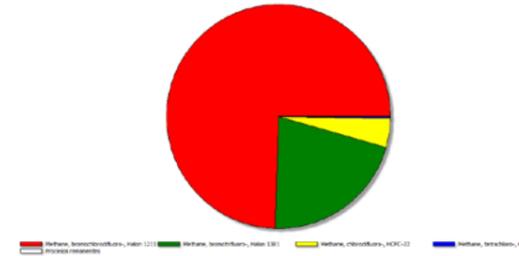
TOTAL kg CO2 eq **369,2355**

Impact of group elements (materials, processes, energy, use, transport and waste)



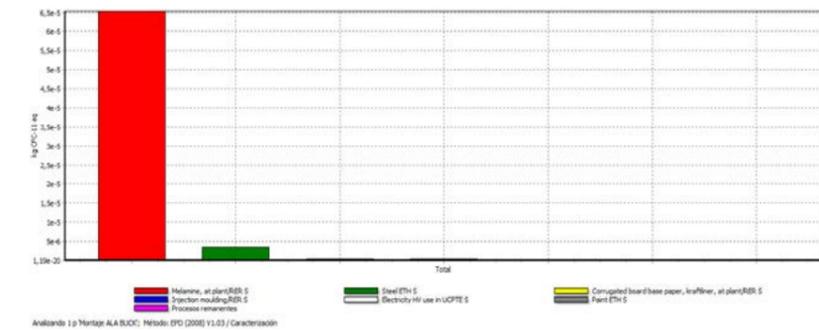
Impact category	Substance	Unit	Total
OZONE LAYER REDUCTION	Remaining Substances	kg CFC-11 eq	3,46E-08
	Methane, bromochlorodifluoro-, Halon 1211	kg CFC-11 eq	5,21E-05
	Methane, bromotrifluoro-, Halon 1301	kg CFC-11 eq	1,47E-05
	Methane, chlorodifluoro-, HCFC-22	kg CFC-11 eq	2,88E-06
	Methane, tetrachloro-, CFC-10	kg CFC-11 eq	1,98E-07

OZONE LAYER REDUCTION



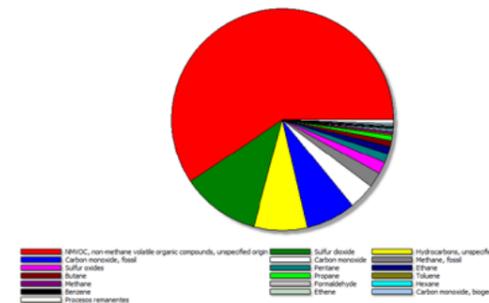
TOTAL kg CFC-11 eq **7E-05**

Impacto por elementos de grupo (materiales, procesos, energía, uso, transporte y residuos)



Impact category	Substance	Unit	Total
SMOG PHOTOCHEMISTRY	Remaining Substances	kg C2H4	0,001201
	Benzene	kg C2H4	0,000452
	Butane	kg C2H4	0,001893
	Carbon monoxide	kg C2H4	0,008041
	Carbon monoxide, biogenic	kg C2H4	0,000442
	Carbon monoxide, fossil	kg C2H4	0,015351

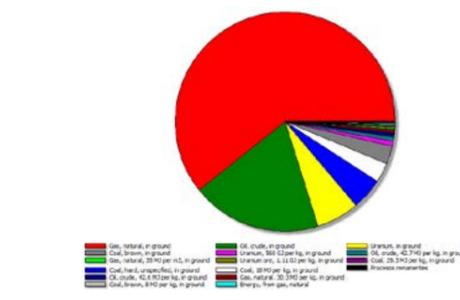
SMOG PHOTOCHEMISTRY



TOTAL kg C2H4 eq **0,212144**

Impact category	Substance	Unit	Total
NONRENEWABLE RESOURCES	Remaining Substances	MJ eq	18,77769
	Coal, 18 MJ per kg, in ground	MJ eq	209,9417
	Coal, 29.3 MJ per kg, in ground	MJ eq	11,40223
	Coal, brown, 8 MJ per kg, in ground	MJ eq	10,46862
	Coal, brown, in ground	MJ eq	194,1705
	Coal, hard, unspecified, in ground	MJeq	333,3395

NONRENEWABLE RESOURCES



TOTAL MJ eq **7202,214**

WASTE	Total NOT DANGEROUS	KG	26,7
	Total DANGEROUS	KG	0,0598



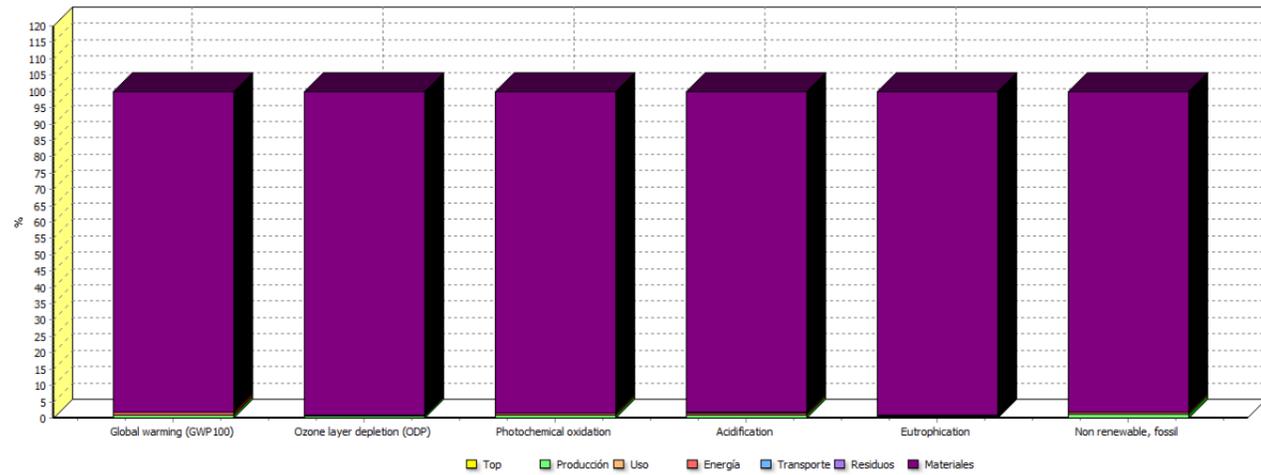
DESK-SUPPORT CREDENZA

Ref. AB10200

Report Data 08.07.2010

4. Impacts Produced by Life Cycle Stage. Six stages are included: Production, Use, Energy, Transportation, Waste and Materials.

Impact Category	Uts.	Total	Top	Production	Use	Energy	Transport	Waste	Materials
Global warming	kg CO2 eq	369,2355	0	3,901024	0	2,297304	0,121156	0	362,9161
Ozone layer depletion	kg CFC-11 eq	7E-05	0	3,74E-07	0	2,54E-07	2E-09	0	6,93E-05
Photochemical oxidation	kg C2H4 eq	0,212144	0	0,001998	0	0,001134	0,000183	0	0,208829
Acidification	kg SO2 eq	1,526705	0	0,012934	0	0,010606	0,002715	0	1,500451
Eutrophication	kg PO4--- eq	0,258842	0	0,001174	0	0,000652	0,000303	0	0,256714
Non renewable, fossil	MJ eq	7202,214	0	87,89277	0	38,63108	0,03732	0	7075,653



Analizando 1 p Montaje ALA BUCK; Método: EPD (2008) V1.03 / Caracterización



DESK-SUPPORT CREDENZA

Ref. AB10200

Report Data 08.07.2010

5. Ecodesign improvements considered.

ACTIU products are designed considering different environmental strategies. According to their level of complexity, the strategies used are classified into one of the following. Here are some of the choices for ecodesign significant product.

PRODUCT STRATEGY ECODESIGN	CHOICES
Low impact materials selection	Designed to be manufactured with 69% recycled materials 100% recycled aluminium Powder paint with no VOC admissions Limitation on use of hazardous substances. Without chromium, mercury, cadmium Board from recycled wood fibers Table edge without glue VOC content Wood meets E1 standard (reduced emissions, EN13986), does not emit formaldehyde. Recycled cardboard packaging.
Optimization of product techniques	Optimizing energy use throughout the production process Painting processes of high technology systems.: Zero VOC emissions and other pollutants. Recovery unused paint in the process. Zero emissions of VOCs. Cleaning metals by closed water circuit Optimization of energy use in the manufacturing process: Heat recovery in the painting process, automated manufacturing systems for energy savings.
Optimization of distribution system	Low volume packaging. Spaces optimization. Saving energy and Flexibility. Modular system adaptable between different models.
Optimization of product life	15 years minimum duration. Easy Maintenance y cleaning. Easily cleaned with a damp cloth with water. The product is part of a modular program. Easy to modify, expand and repair.
Optimization of the end of system life	Easy separation of product components High degree of recyclability of the product: 96% Packaging reuse system between ACTIU and its providers to avoid waste generation

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- Environmental impacts methods
- Data base: ETH-ESU System processes, Ecoinvent system processes, IDEMAT, EDIP, IPCC, Ecological Scarcity 2006.



A REVOLUTION IN EVERY SECTOR

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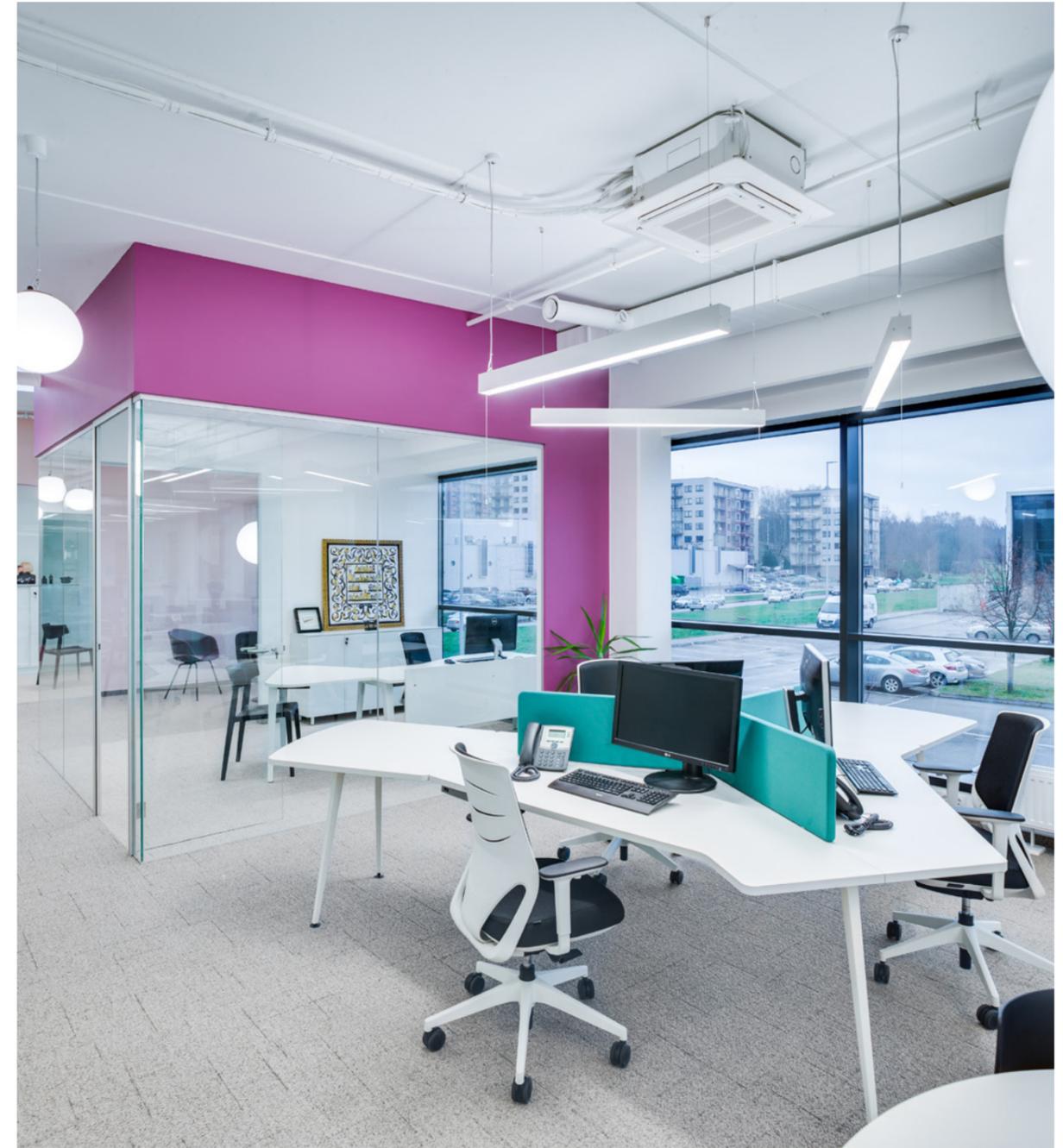


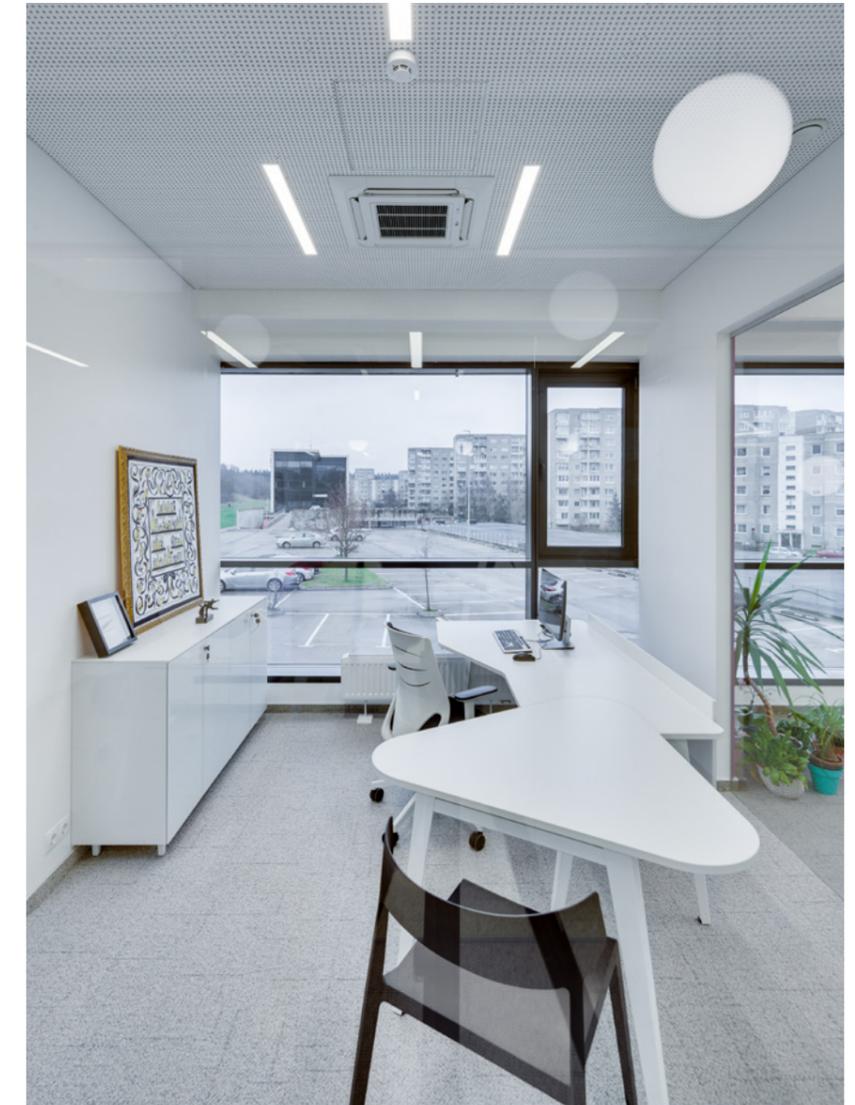
إحدى شركات مؤسسة البترول الكويتية
A Subsidiary of Kuwait Petroleum Corporation



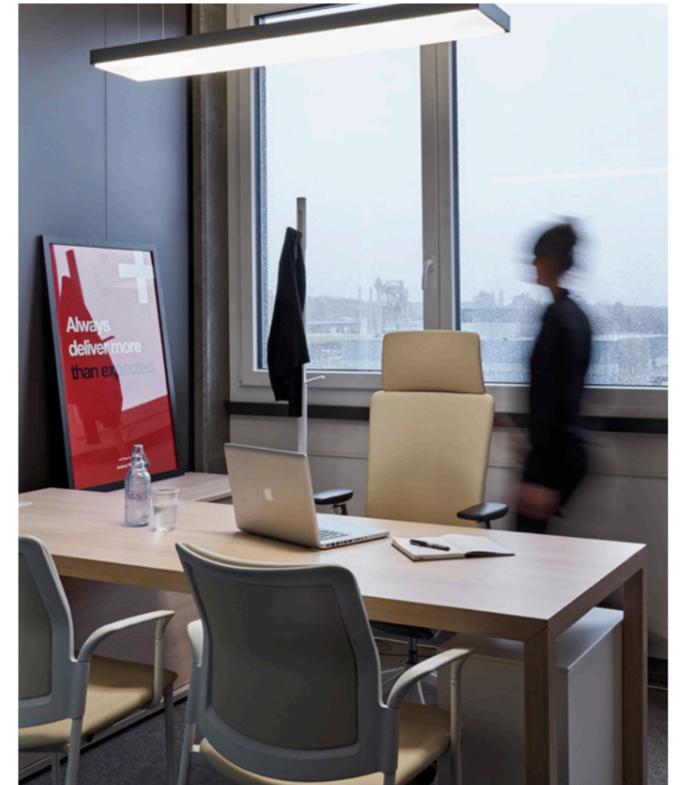
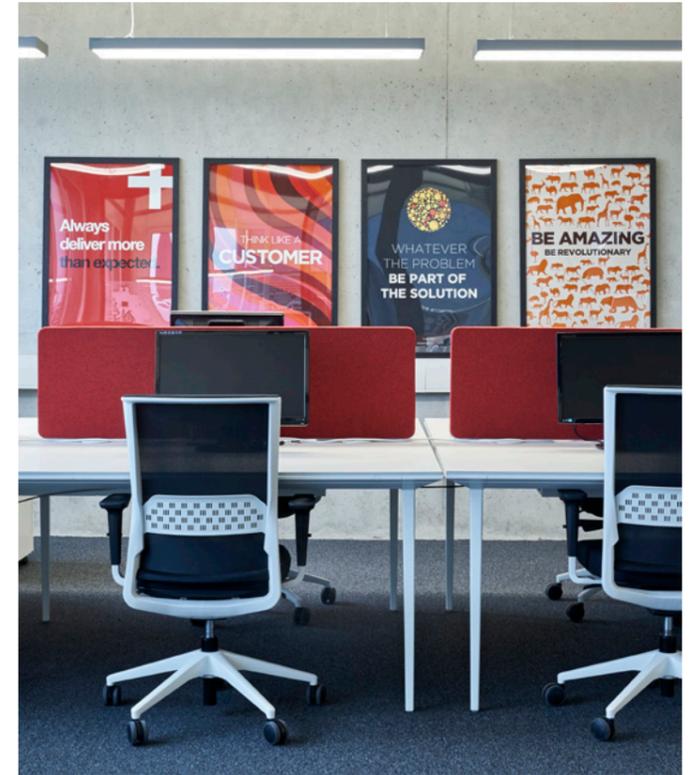


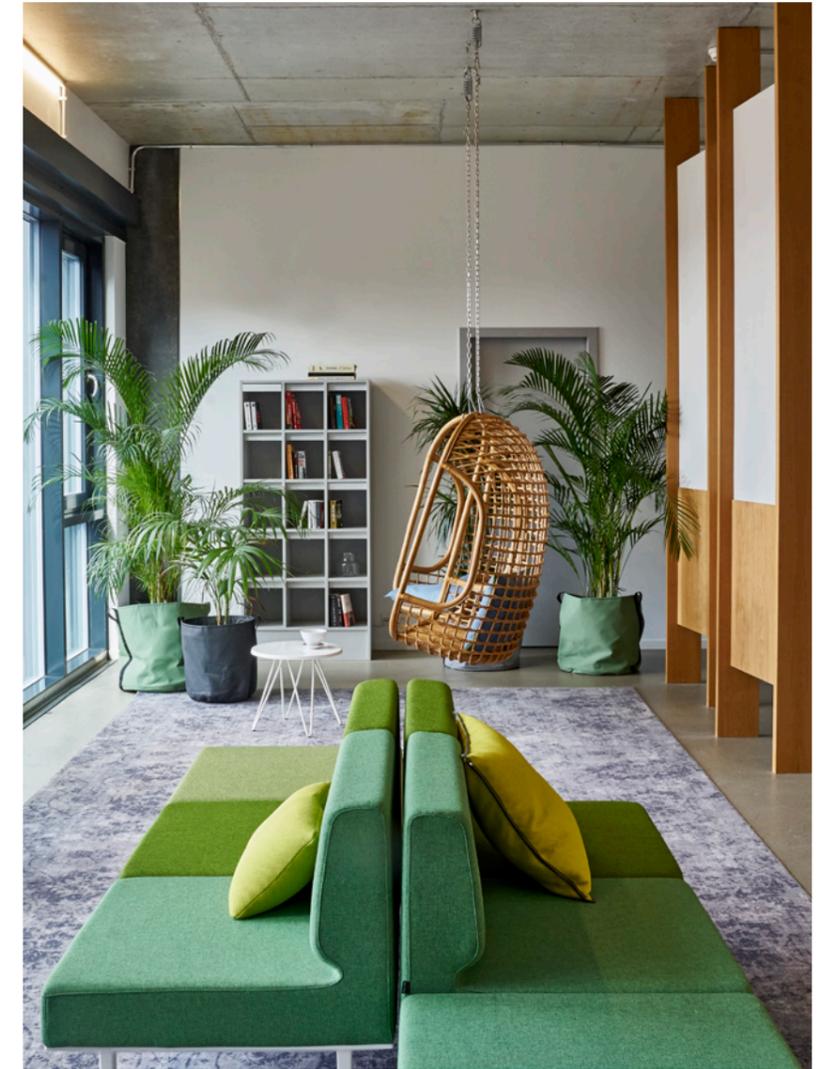
DOUGLAS.
Cosmetics company,
in Lithuania





MCI.
Geneve, Switzerland.





CORPORATE



SBERBANK.
Business center in
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PRO
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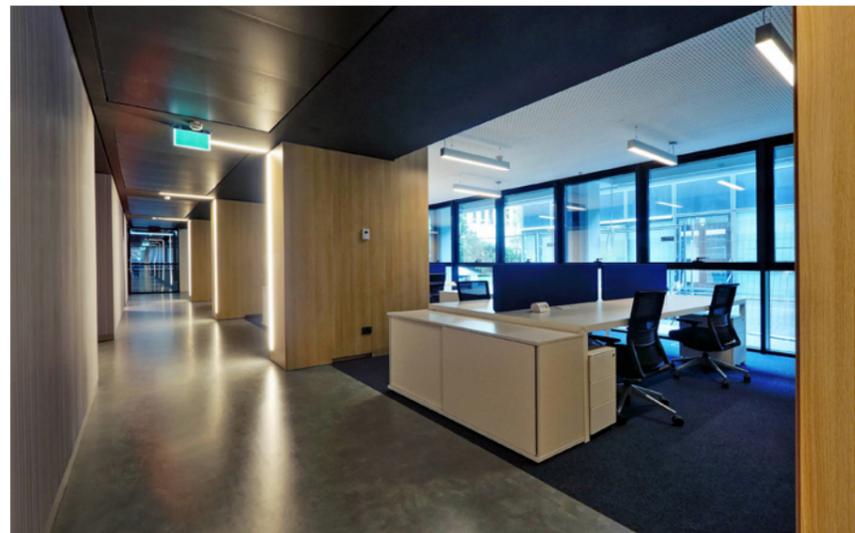
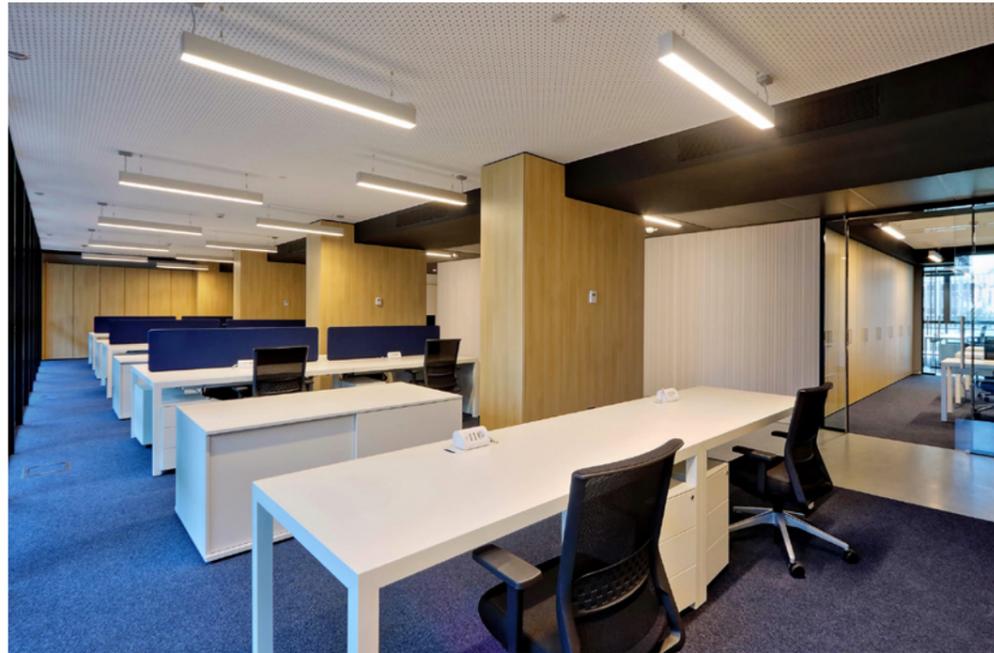




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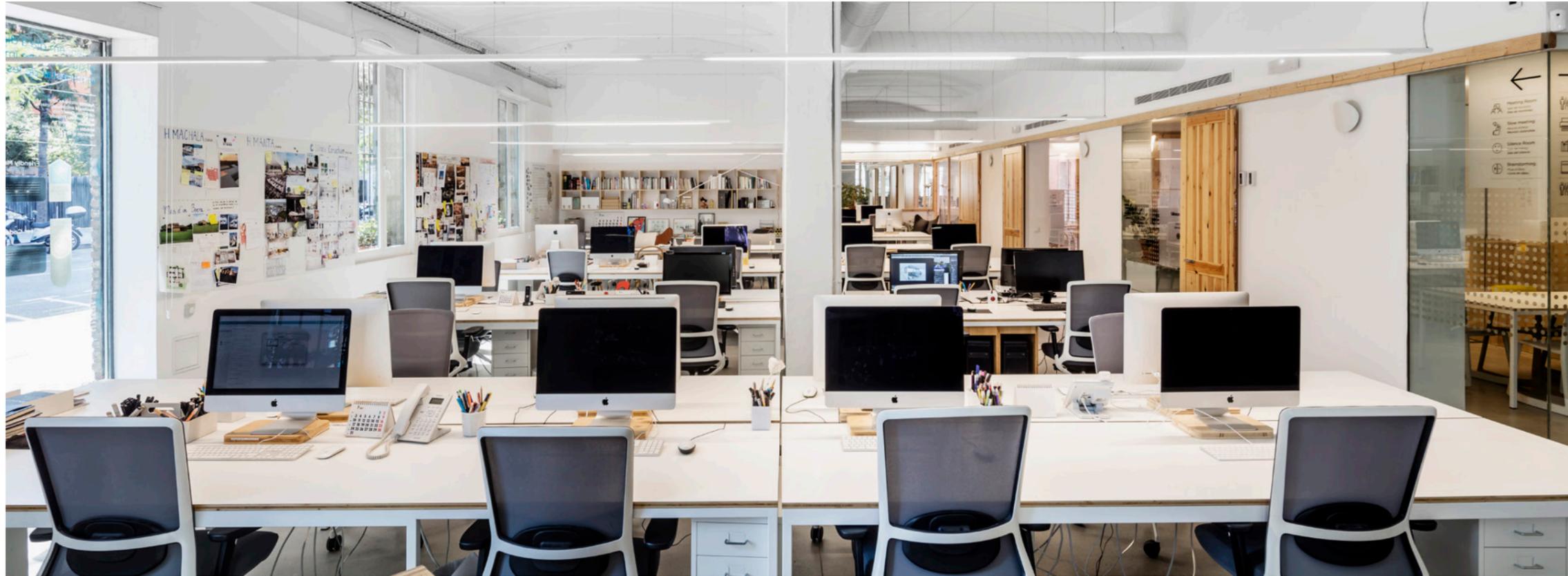
SIEMENS.
Offices in Czech Republic.



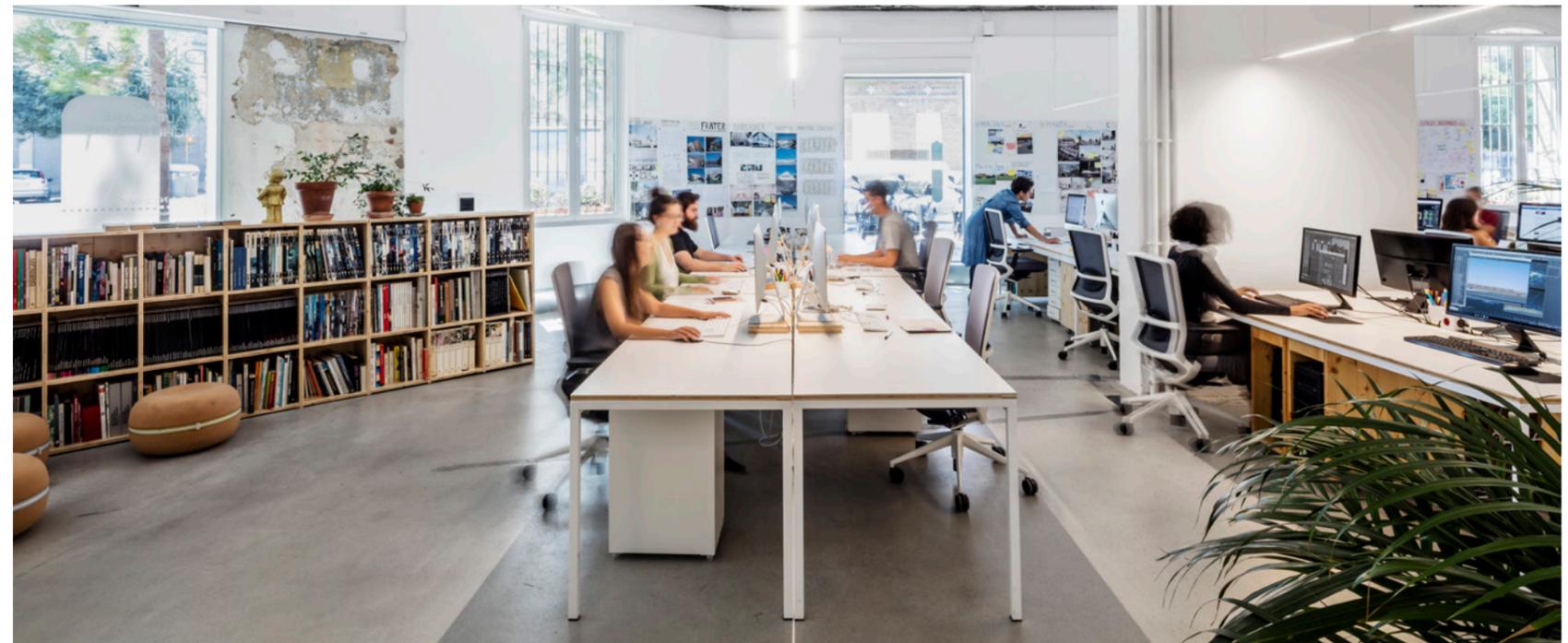
**FUNDACIÓN
BIODIVERSIDAD.**
Offices based in
Madrid, Spain



PRO
JECTS



PMMT.
Architecture Firm
in Barcelona, Spain.





GRUPO ANTON.
Communications and
Publicity Agency in Alicante, Spain



CORPORATE



MALWAREBYTES.
Software developer,
in Estonia.





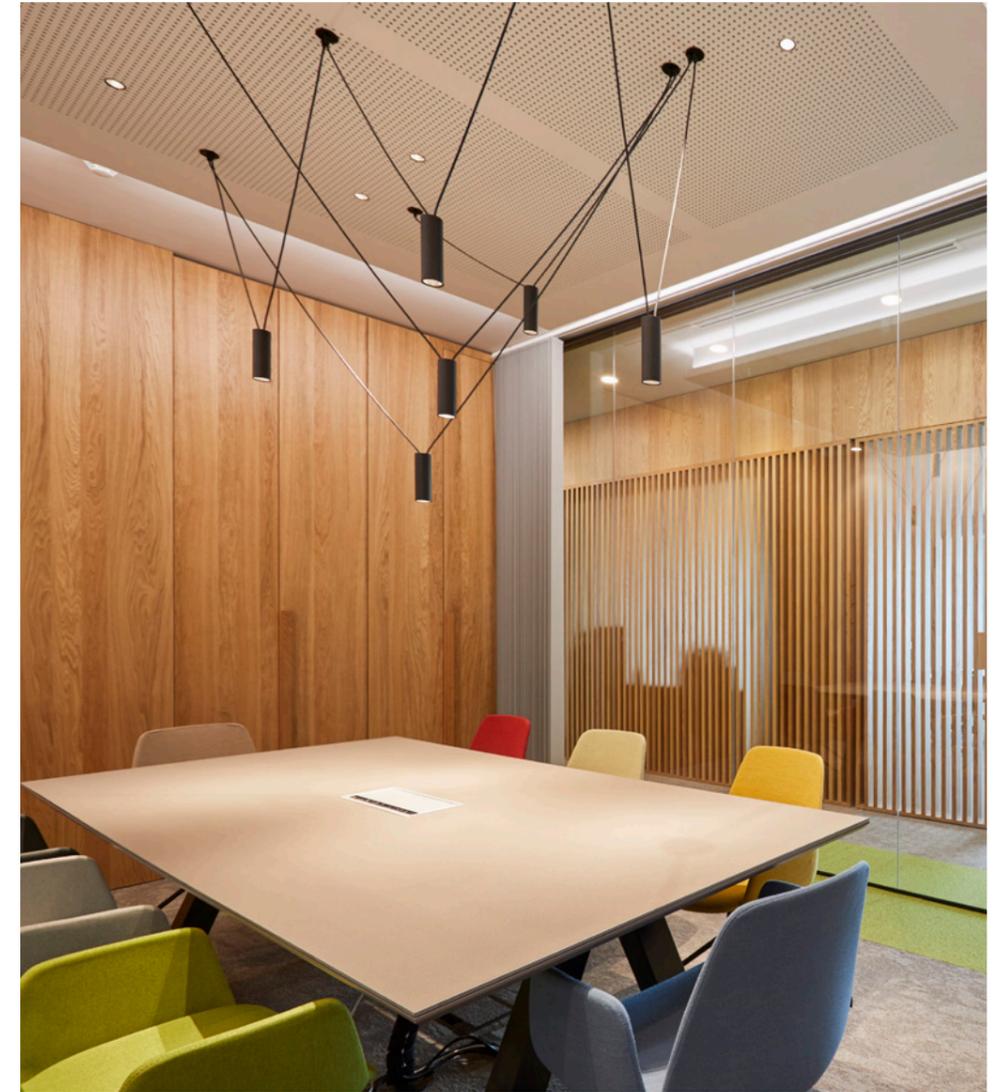
CARREFOUR.
Distribution Company Offices
in Madrid, Spain

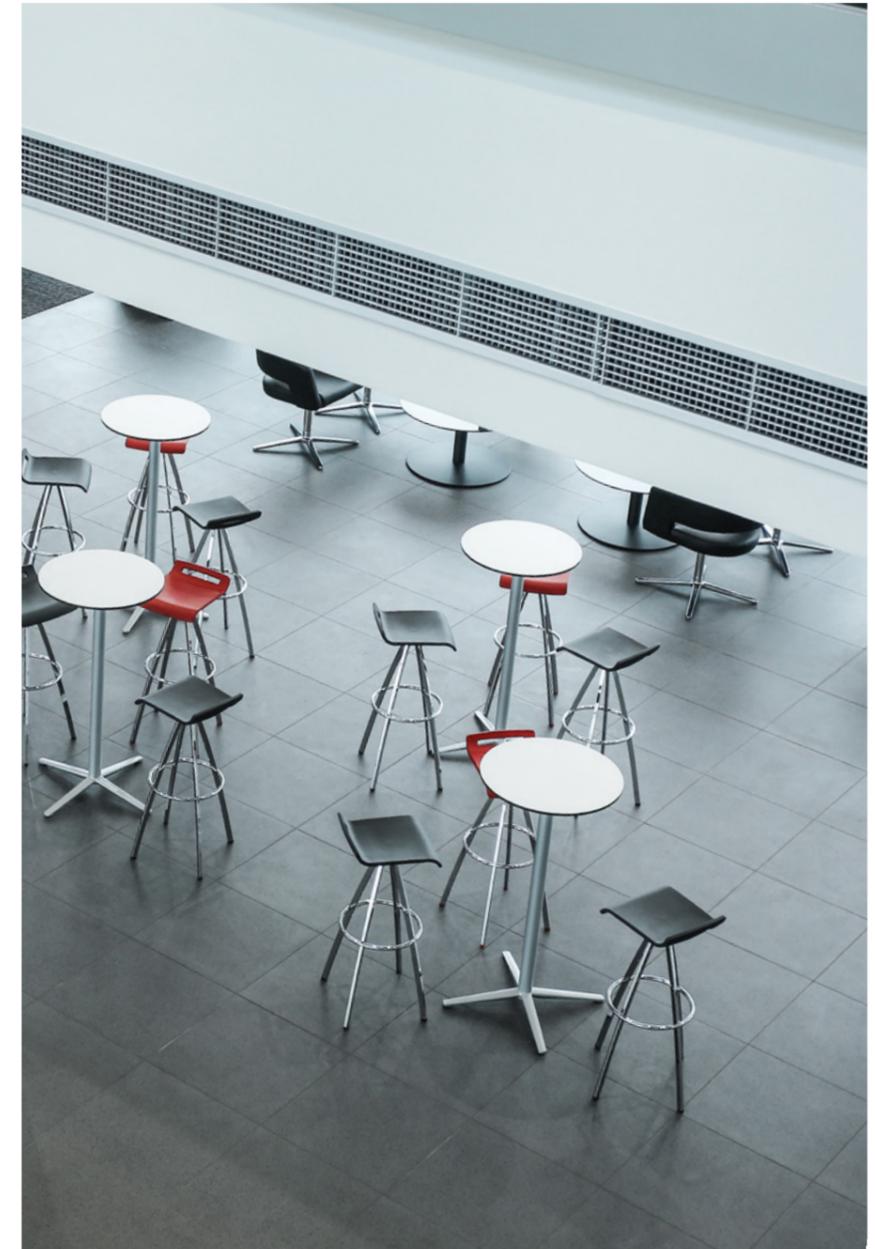




VIOKOX.
Offices in Vakecia, Spain







PORSCHE.
Offices in Shanghai, China





DANONE.
Paris, France.

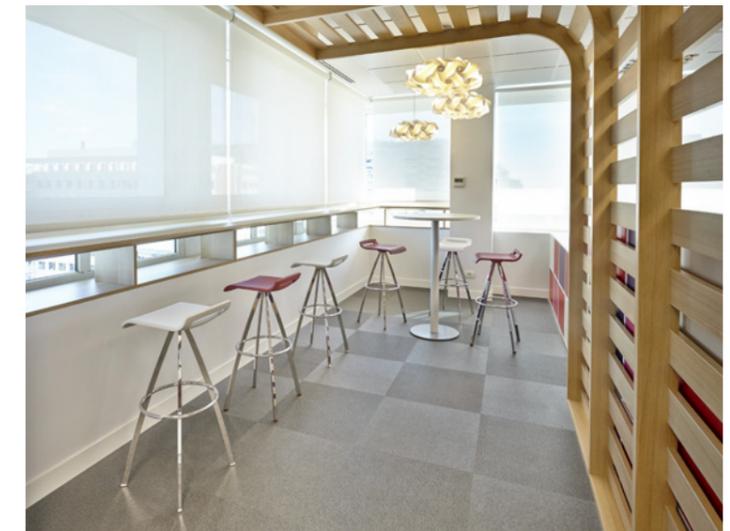


PRO
JECTS



MALWAREBYTES.
Software developer,
in Estonia.





IBERIA GROUP.
Airline Company





OCA GROUP.

Business Group dedicated to the inspection, certification and training activities, in Madrid, Spain.

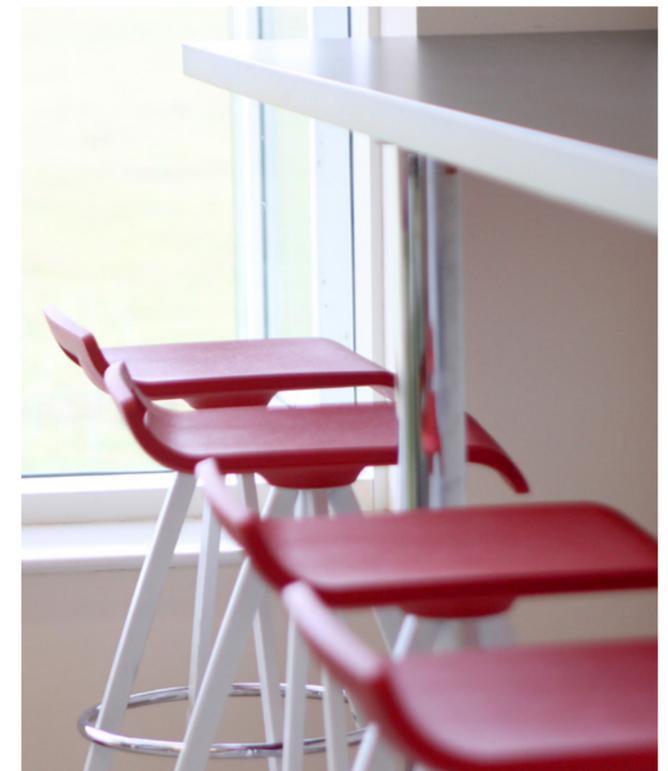
INTERNATIONAL
GROUP OF
AUDITING,
CONSULTING
AND TAX & LEGAL
SERVICES.





**SALES SENSE
INTERNATIONAL.**

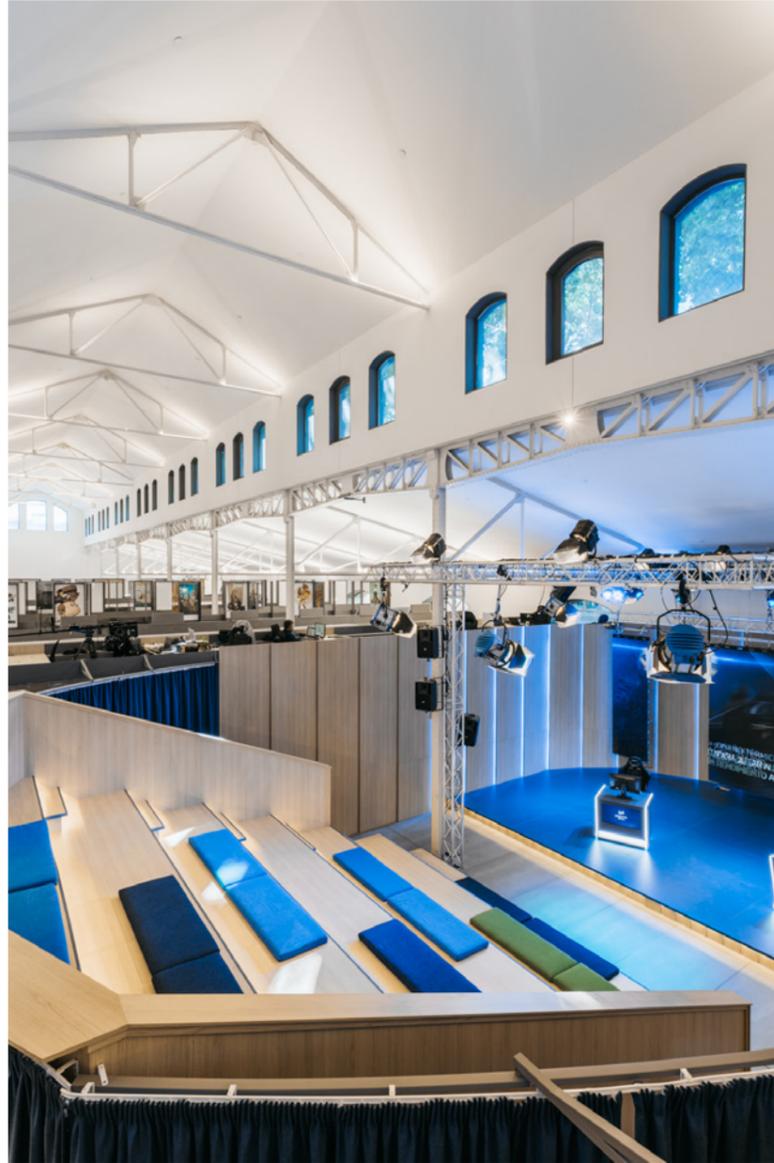
Field Sales Acquisition company
in Ireland





EUIPO.
Office for Harmonisation
in the interior market





MOVISTAR SPORT
Madrid, Spain.

SPORTISIMO.
Retailer based
in Prague, Czech Republic





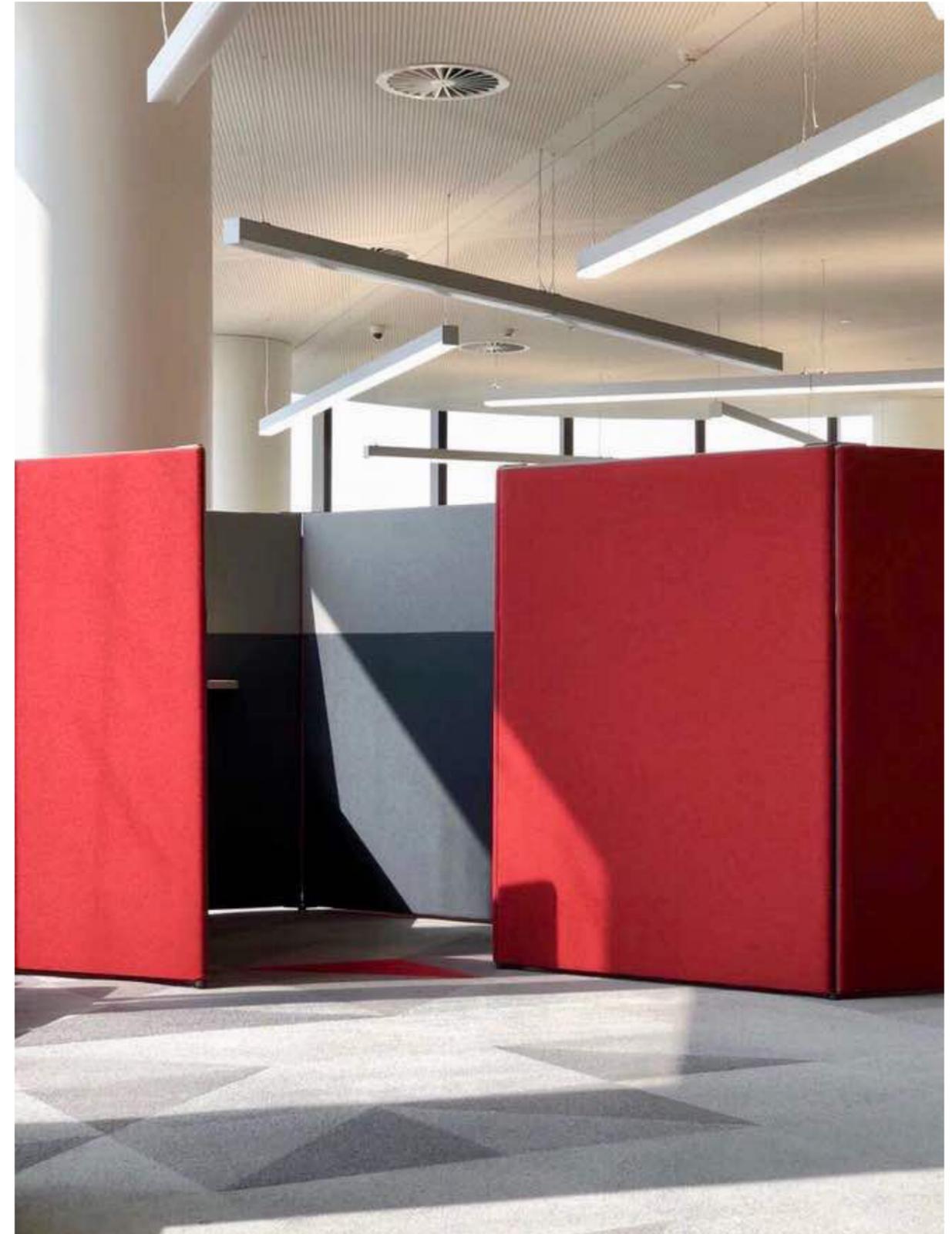


SLACK
Office Cafeteria in Toronto, Canada



KPMG.
Professional Services Company
Office in Shanghai, China





MAIKE GROUP.
Commodity Trading Enterprise
in Xian, China



PEPPER MONEY.
Office in Madrid, Spain.





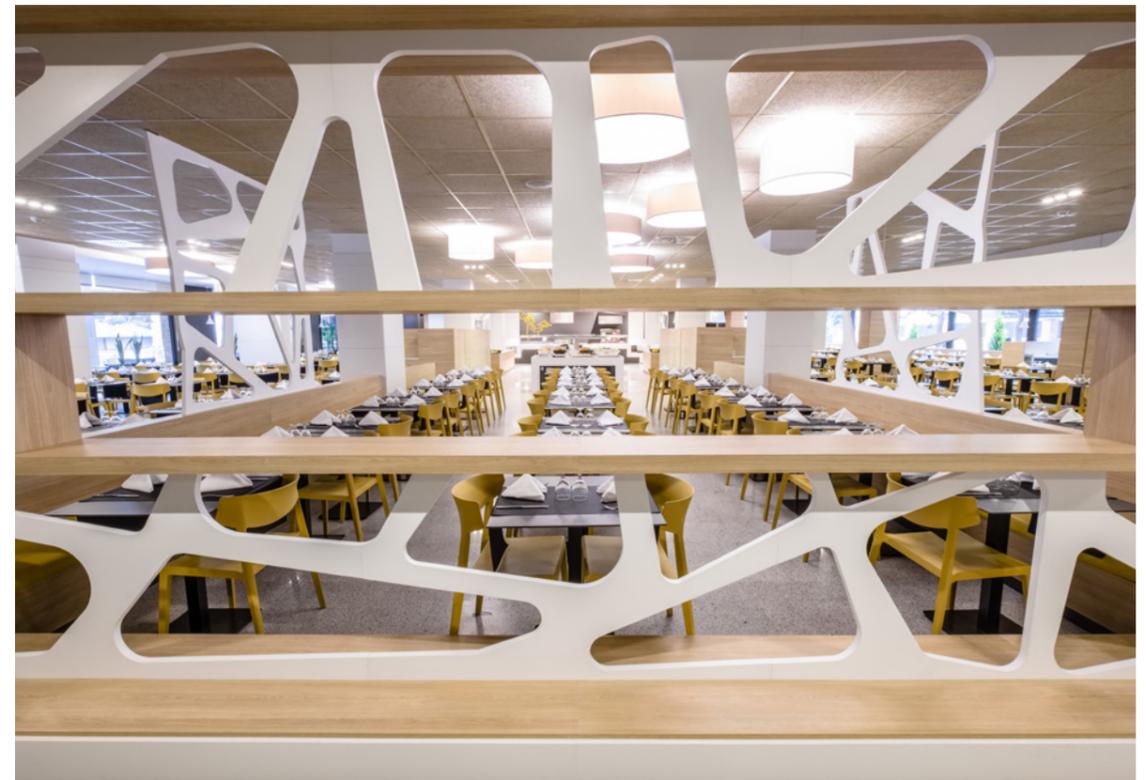
CISE.
International
Entrepreneur Centre





MORENA-MARRO.
Polonia





HOTEL CALIFORNIA
PALACE.
(Salou- Spain)



AIRBUS.
(Madrid- Spain)



WANNA - ONE
COWORKING.
(Alicante- Spain)





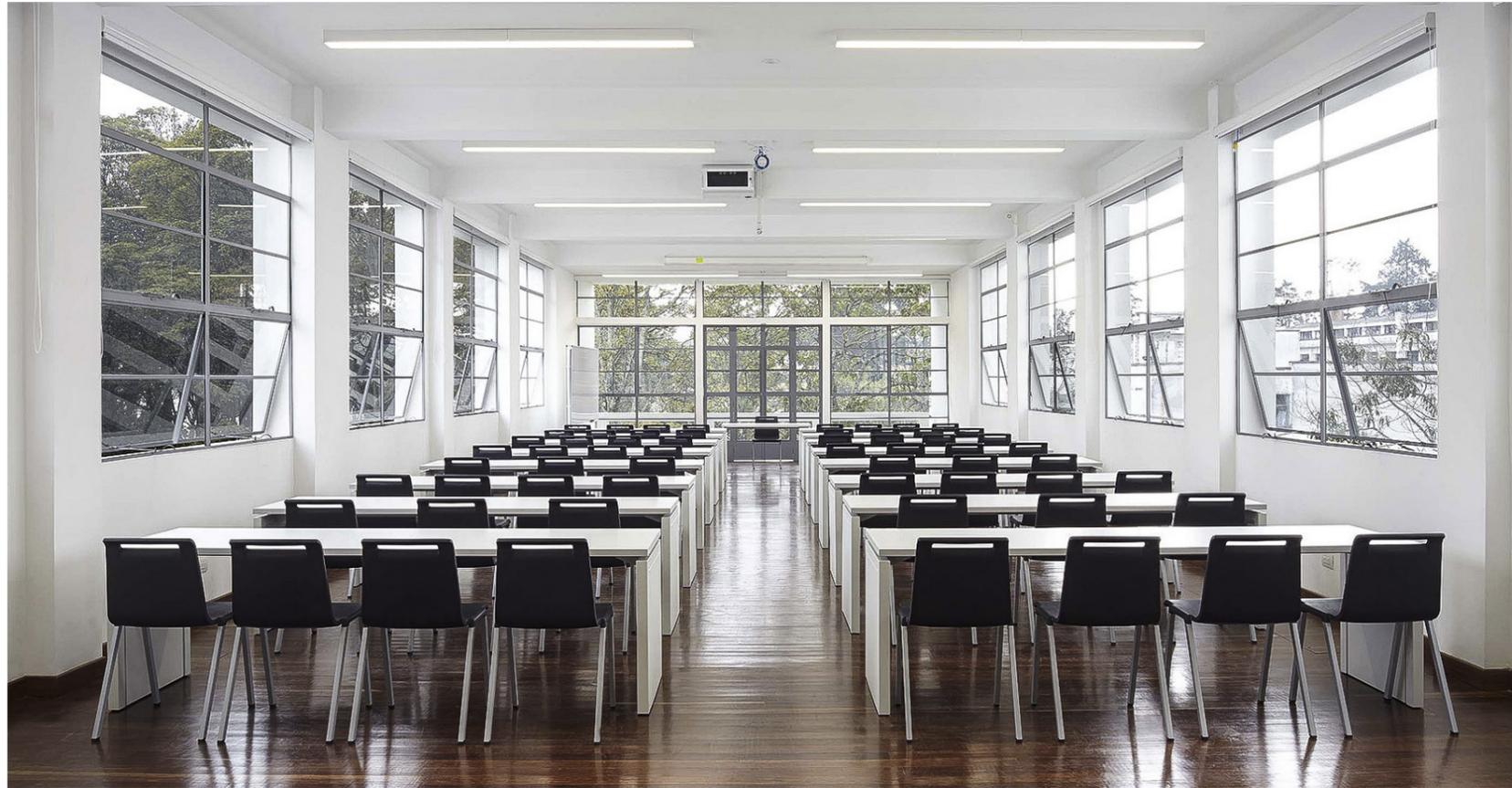
“THE DIAMOND”.
BRITISH
ENGINEERING
UNIVERSITY
TWELVE ARCHITETS





CREÁPILIS BUILDING.
CAMPUS ESADE.

In Catalonia, Spain.
Arch: Artigues & Sanabria



ENGINEERING FACULTY.
National University of Bogota.



REY JUAN CARLOS
UNIVERSITY HOSPITAL.
Madrid, Spain.



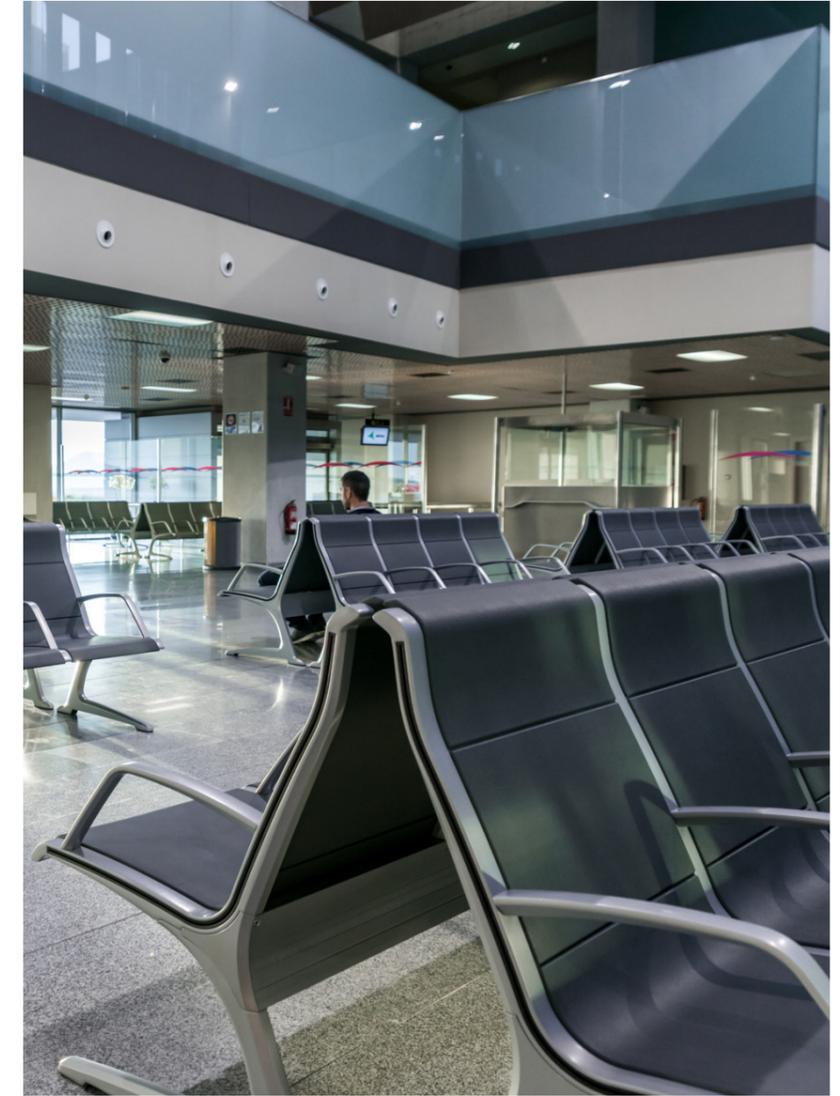


UNIVERSITY AND
POLYTECHNIC HOSPITAL LA FE.
Valencia, Spain.



AENA GROUP.
Civil Air Navigation and Spanish Civil
Airports in Mallorca, Spain

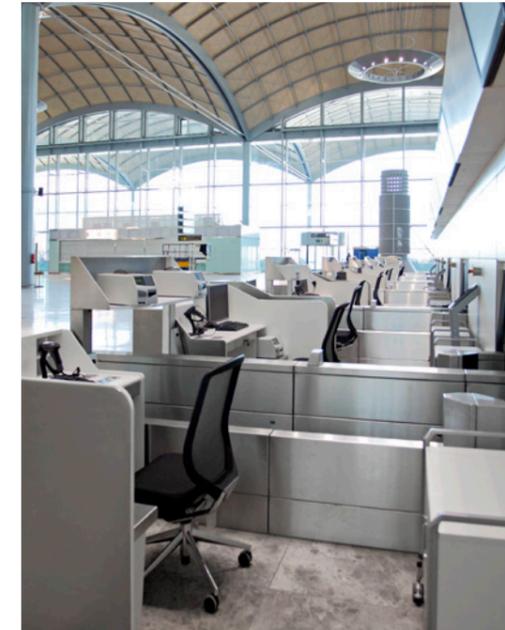




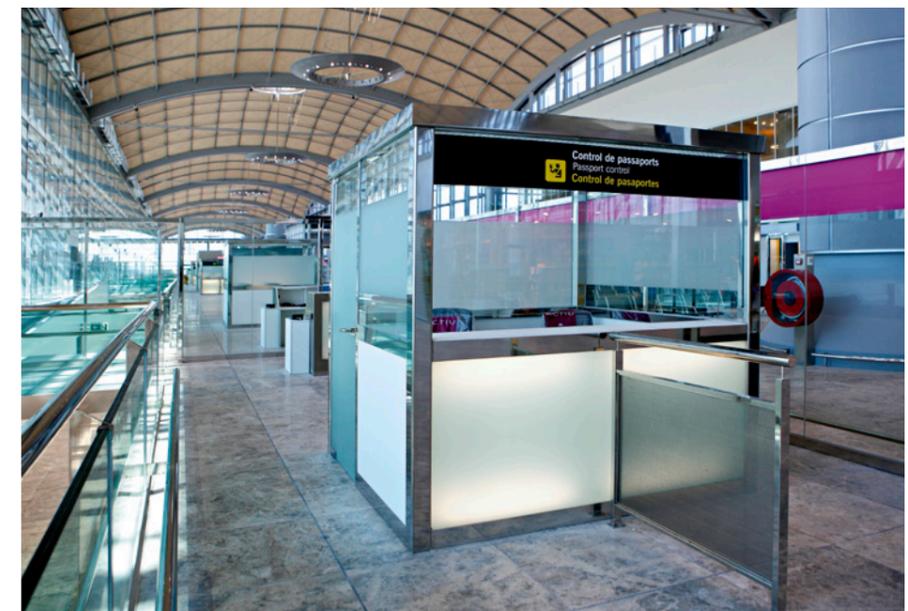
AENA GROUP.
Airport in Pamplona, Spain

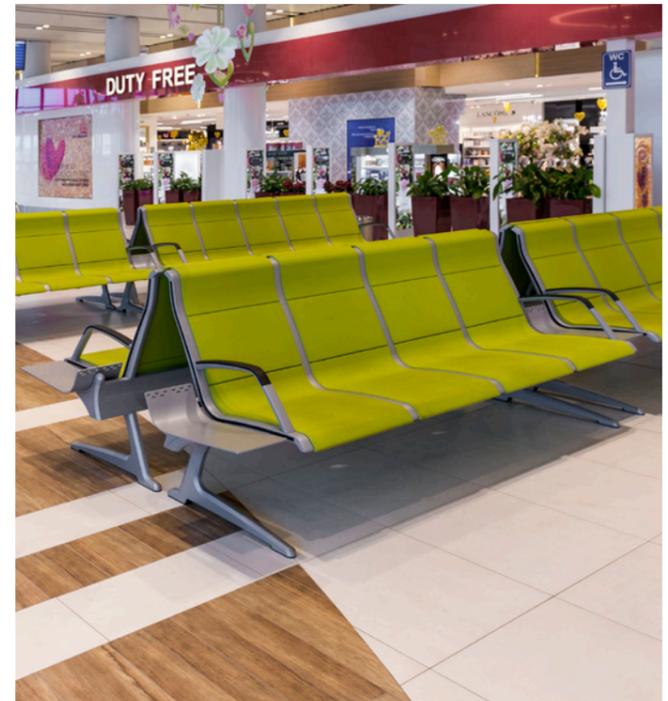


ESTACIÓN CRUCEROS.
Tenerife, Spain



AENA GROUP.
Civil Air Navigation and
Spanish Civil Airports
in Alicante, Spain





INTERNATIONAL
CHISINAU AIRPORT.
Airport in Moldavia



CERTIFICATES

ACTIU



إحدى شركات مؤسسة البترول الكويتية
A Subsidiary of Kuwait Petroleum Corporation





USGBC
2101 L STREET, NW
SUITE 500
WASHINGTON DC 20037
202 828-7422
USGBC.ORG

FOUNDERS
David Gottfried
Michael Italiano
S. Richard Fedrizzi

03/28/2017

Soledad Berbegal
Communication Manager
ACTIU
Autovía CV. 80 - Salida Onil - Castalla
Castalla, Alicante 03420
Spain

Greetings,

On behalf of the U.S. Green Building Council, I congratulate you on achieving LEED certification for ACTIU Headquarter ACTIU Technology Park. Your project has achieved platinum certification under the LEED 2009 Existing Buildings: Operations and Maintenance rating system with a total of 85 points.

LEED certification identifies ACTIU Headquarter ACTIU Technology Park as a showcase example of sustainability and demonstrates your leadership in transforming the building industry. In honor of this impressive achievement and in appreciation of your participation in LEED, we are pleased to present you with the enclosed certificates recognizing your accomplishment.

Now that your project has achieved LEED certification, we encourage you to share your project with the green building community. Please follow the prompt in LEED Online to make it a "public" project. Public projects appear in our LEED project directory found on USGBC.org and are eligible to participate in additional marketing efforts and campaigns.

Congratulations on earning LEED certification, and thank you for your commitment to our common goal of building a healthy, sustainable future.

Sincerely,

A handwritten signature in black ink that reads "Mahesh Ramanujam". The signature is written in a cursive style and is underlined.

Mahesh Ramanujam
President & CEO, U.S. Green Building Council and Green Business
Certification Inc.



ACTIU HEADQUARTER ACTIU TECHNOLOGY PARK

Castalla, Spain

HAS FULFILLED THE REQUIREMENTS OF THE LEED GREEN BUILDING RATING SYSTEM CERTIFICATION ESTABLISHED
BY THE U.S. GREEN BUILDING COUNCIL AND VERIFIED BY GREEN BUSINESS CERTIFICATION INC.

LEED 2009
EXISTING BUILDINGS: OPERATIONS AND MAINTENANCE

PLATINUM

March 2017

MAHESH RAMANUJAM, PRESIDENT & CEO, U.S. GREEN BUILDING COUNCIL,
PRESIDENT & CEO, GREEN BUSINESS CERTIFICATION INC.

European Business Awards 2015/16

This is to certify that

Actiu

is a National Champion representing

Spain

in the 2015/16 European Business Awards

Authorised by Adrian Tripp, CEO and Philip Forrest, Chairman of Judges
on behalf of the European Business Awards

Rewarding and recognising business success, innovation and business ethics



Adrian Tripp, Chief Executive Officer



Philip Forrest, Chairman of Judges

Europe Wide Sponsors:



European Business Awards 2016/17

This is to certify that

Mr. Vicente Berbegal, Actiu

is a National Champion representing

Spain

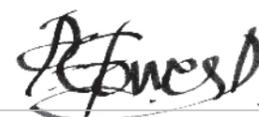
in the 2016/17 European Business Awards

Authorised by Adrian Tripp, CEO and Philip Forrest, Chairman of Judges
on behalf of the European Business Awards

Rewarding and recognising business success, innovation and business ethics



Adrian Tripp, Chief Executive Officer



Philip Forrest, Chairman of Judges

Europe Wide Sponsors:





Pacto Mundial
Red Española

Actiu Berbegal y Formas, S.A.
Parque Tecnológico Antiu; Autovía CV80-Salida Onil- Castalla
03420 , Alicante

Madrid March 03, 2017

Through this document we confirm that Actiu Berbegal y Formas, S.A. with Tax ID number A03137874 is Global Compact signatory entity from the 30 August of 2008.

Therefore, the commitment of Actiu Berbegal y Formas, S.A. recognizes the Global Compact 10 Principles in the areas of Human Rights, Labor, Environment and Anti-corruption.

This commitment must be communicated to stakeholders and reflected in the COP and be submitted annually, reporting progress in the implementation of the 10 Principles.

This certificate is no longer valid if the entity Actiu Berbegal y Formas, S.A. does not fulfill its commitment to submit their COP and is declared inactive by Global Compact.

Finally, remember that the Spanish Global Compact Network staff is available to help and advise you as a member of the initiative.

Sincerely,

A handwritten signature in black ink, appearing to read "Elisabet".

Ms. Elisabet de Nadal Clanchet
General Secretary
Global Compact Network Spain
P.P.

www.pactomundial.org

Phone: +34 91 745 24 14

Certificado del Sistema de Gestión de la Calidad



ER-0597/2001

AENOR, Asociación Española de Normalización y Certificación, certifica que la organización

ACTIU BERBEGAL Y FORMAS, S.A.

dispone de un sistema de gestión de la calidad conforme con la Norma ISO 9001:2008

para las actividades: El diseño y la producción de mobiliario, sillería y accesorios para oficina e informática.

que se realizan en: PQ TECNOLÓGICO ACTIU, AUTOVÍA CV-80. SALIDA ONIL-CASTALLA. 03420 - CASTALLA (ALICANTE)
PI 1, CL ITALIA, 8-14. 03420 - CASTALLA (ALICANTE)

Fecha de primera emisión: 2001-04-24
Fecha de última emisión: 2015-06-19
Fecha de expiración: 2018-06-19

Asociación Española de Normalización y Certificación

Avelino BRITO MARQUINA
Director General de AENOR

AENOR Asociación Española de Normalización y Certificación

Génova, 6. 28004 Madrid. España
Tel. 902 102 201 - www.aenor.es



THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

IQNet and
AENOR
hereby certify that the organization

ACTIU BERBEGAL Y FORMAS, S.A.

PQ TECNOLÓGICO ACTIU, AUTOVÍA CV-80. SALIDA ONIL-CASTALLA.
03420 - CASTALLA
(ALICANTE)

PI 1, CL ITALIA, 8-14.
03420 - CASTALLA
(ALICANTE)

for the following field of activities

The design and production of home and office furnitures, office chairs and office accessories.

has implemented and maintains a

Quality Management System

which fulfills the requirements of the following standard

ISO 9001:2008

First issued on: 2001-04-24

Last issued: 2015-06-19

Validity date: 2018-06-19

Registration Number: **ES-0597/2001**



Michael Drechsel
President of IQNet

Asociación Española de Normalización y Certificación
AENOR
Avelino BRITO
Chief Executive Officer

IQNet Partners*:

AENOR Spain AFNOR Certification France AIB-Vincotte International Belgium ANCE Mexico APCER Portugal CCC Cyprus
CISQ Italy CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany
FCAV Brazil FONDONORMA Venezuela ICONTEC Colombia IMNC Mexico Inspecta Certification Finland IRAM Argentina
JQA Japan KFQ Korea MIRTEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland PCBC Poland
Quality Austria Austria RR Russia SII Israel SIQ Slovenia SIRIM QAS International Malaysia
SQS Switzerland SRAC Romania TEST St Petersburg Russia TSE Turkey YUQS Serbia
IQNet is represented in the USA by: AFNOR Certification, CISQ, DQS Holding GmbH and NSAI Inc.

* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com

AENOR

Certificado del Sistema de Gestión Ambiental



GA-2003/0202

AENOR certifica que la organización

ACTIU BERBEGAL Y FORMAS, S.A.

dispone de un sistema de gestión ambiental conforme con la Norma ISO 14001:2015

para las actividades: El diseño y la producción de mobiliario, sillería y accesorios para informática y oficina.

que se realiza/n en: PARQUE TECNOLOGICO ACTIU AUTOVIA CV-80, SALIDA ONIL-CASTALLA. 03420 - CASTALLA (ALICANTE) PI 1, CL ITALIA, 8-14. 03420 - CASTALLA (ALICANTE)

Fecha de primera emisión: 2003-06-19
Fecha de última emisión: 2018-06-19
Fecha de expiración: 2021-06-19

Rafael GARCÍA MEIRO
Director General



AENOR INTERNACIONAL S.A.U.
Génova, 6. 28004 Madrid, España
Tel. 91 432 60 00.- www.aenor.com

Original Electrónico



CERTIFICATE

IQNet and
AENOR
hereby certify that the organization

ACTIU BERBEGAL Y FORMAS, S.A.

PARQUE TECNOLOGICO ACTIU
AUTOVIA CV-80, SALIDA ONIL-CASTALLA
03420 - CASTALLA
(ALICANTE)

PI 1, CL ITALIA, 8-14.
03420 - CASTALLA
(ALICANTE)

for the following field of activities

The production and design of home and office furnitures, office chairs and office accesories.

has implemented and maintains a

Environmental Management System

which fulfills the requirements of the following standard

ISO 14001:2015

First issued on: 2003-06-19

Last issued: 2018-06-19

Validity date: 2021-06-19

Registration Number: **ES-2003/0202**



Michael Drechsel
President of IQNet

Rafael GARCÍA MEIRO
Chief Executive Officer

AENOR

IQNet Partners*:

AENOR Spain AFNOR Certification France AIB-Vinçotte International Belgium ANCE Mexico APCER Portugal CCC Cyprus
CISQ Italy CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany
FCAV Brazil FONDONORMA Venezuela ICONTEC Colombia IMNC Mexico Inspecta Certification Finland IRAM Argentina
JQA Japan KFQ Korea MIRTEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland PCBC Poland
Quality Austria Austria RR Russia SII Israel SIQ Slovenia SIRIM QAS International Malaysia
SQS Switzerland SRAC Romania TEST St Petersburg Russia TSE Turkey YUQS Serbia
IQNet is represented in the USA by: AFNOR Certification, CISQ, DQS Holding GmbH and NSAI Inc.

* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com

FSC® Chain of Custody Certificate

AENOR

AEN-COC-000109

AENOR, the Spanish Association for Standardisation and Certification, certifies that the organisation

ACTIU BERBEGAL Y FORMAS, S.A.

with its place of business at PQ TECNOLÓGICO ACTIU, AUTOVÍA CV-80, SALIDAD ONIL-CASTALLA 03420 CASTALLA, ALICANTE (Spain) possesses a Chain of Custody management system of the INDIVIDUAL type, according to what it is established in standard FSC-STD-40-004 v 2.1 and FSC-STD-40-005 V2.1

for the activities: The production of home and office furnitures, office chairs and office accessories. FSC Mix. Credit system.

carried out at: PQ TECNOLÓGICO ACTIU, AUTOVÍA CV-80, SALIDAD ONIL-CASTALLA 03420 CASTALLA, ALICANTE (Spain)

First issued on: 2015-04-15
Last issue date: 2016-06-24
Expiry date: 2021-06-23


AENOR Asociación Española de Normalización y Certificación
Avelino BRITO MARQUINA
Chief Executive Officer of AENOR

The validity of this certificate and the list of product groups covered by the certificate must be confirmed at www.fsc-info.org. This certificate alone does not constitute evidence that a certain product supplied by the titleholder is FSC-certified (or FSC controlled wood). The products offered or sold by the titleholder may only be considered covered by the scope of this certificate when the corresponding FSC declaration is clearly indicated in invoices and sales documents. This certificate is property of AENOR. If required in advance by AENOR, or if cancelled or replaced with a subsequent certificate, this certificate and all copies of it must be returned to AENOR or destroyed.



AENOR Asociación Española de Normalización y Certificación

Génova, 6. 28004 Madrid. España
Tel. 902 102 201 - www.aenor.es

AENOR Asociación Española de Normalización y Certificación



CERTIFICADO

DE CONFORMIDAD DE LA CADENA DE CUSTODIA DE PRODUCTOS FORESTALES

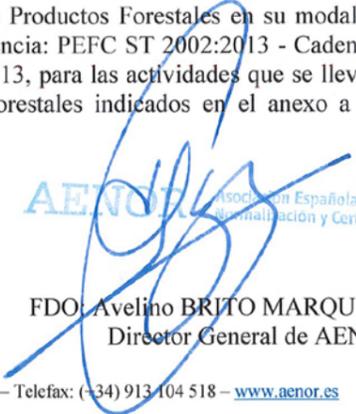
Nº: PEFC/14-35-00139-AEN

La Asociación Española de Normalización y Certificación (AENOR), habiendo realizado las evaluaciones y controles establecidos en el Sistema Español de Certificación de Gestión Forestal Sostenible (PEFC), certifica que la Entidad:

ACTIU BERBEGAL Y FORMAS, S.A.

Dispone de un Sistema de Control de la Cadena de Custodia de Productos Forestales en su modalidad individual, conforme con los requisitos del Documento de Referencia: PEFC ST 2002:2013 - Cadena de Custodia de los Productos Forestales, de fecha 24 de mayo de 2013, para las actividades que se llevan a cabo en los emplazamientos de transformación de productos forestales indicados en el anexo a este Certificado.

Fecha de emisión: 2015-06-16
Fecha de expiración: 2020-06-15


AENOR Asociación Española de Normalización y Certificación

FDO: Avelino BRITO MARQUINA
Director General de AENOR

AENOR - CI Génova, 6 - 28004 Madrid (España) - Teléfono (+34) 914 326 000 - Telefax: (+34) 913 104 518 - www.aenor.es



LICENCIA DE USO DE LA MARCA PEFC

Nº: PEFC/14-35-00139



La Asociación para la Certificación Forestal Española, PEFC - España, basándose en el Certificado de Conformidad de la Cadena de Custodia de Productos Forestales de AENOR, Nº: PEFC/14-35-00139-AEN, concede el derecho de uso de la marca PEFC, a la entidad:

ACTIU BERBEGAL Y FORMAS, S.A.

Según las condiciones establecidas en el Documento PEFC ST 2001:2008 "Reglas de uso del logotipo PEFC - Requisitos".

Fecha de emisión: 2015-06-16
Fecha de expiración: 2020-06-15


PEFC/14-1-1
FDO: Secretario General de PEFC - España

PEFC - España - CI Viriato, 20 - 3°C - 28010 Madrid (España) - Teléfono: (+34) 915 910 088 - Telefax: (+34) 915 910 087 - www.pefc.es

AENOR

Certificado del Sistema de Gestión de Ecodiseño



ED-0011/2010

AENOR certifica que la organización

ACTIU BERBEGAL Y FORMAS, S.A.

dispone de un sistema de gestión de Ecodiseño conforme con la norma UNE-EN ISO 14006:2011

para las actividades: El diseño de mobiliario, sillería y accesorios para oficina.

que se realiza/n en: PQ TECNOLOGICO ACTIU - AUTOVÍA CV-80, SALIDA ONIL-CASTALLA. 03420 - CASTALLA (ALICANTE)

Fecha de primera emisión: 2010-06-09

Fecha de última emisión: 2018-06-12

Fecha expiración último ciclo de certificación: 2018-06-07

Fecha de auditoría de renovación: 2018-04-18

Fecha de expiración: 2021-06-07

Rafael GARCÍA MEIRO
Director General

AENOR INTERNACIONAL S.A.U.
Génova, 6. 28004 Madrid. España
Tel. 91 432 60 00.- www.aenor.com

ASESORES INTERNACIONALES DE LA PROPIEDAD INMOBILIARIA

CBRE
CB RICHARD ELLIS

CB Richard Ellis, S.A.
Edificio Torre Picasso planta 27ª
Plaza Pablo Ruiz Picasso, s/n
28020 Madrid

T 91 598 1900
F 91 556 96 90

Subject: Carbon Footprint – ACTIU Technology Park

To Whom It May Concern

Through this letter, the company CB Richard Ellis SA, acting as a consultant and manager of the LEED certification process confirms that the Actiu Technology Park, which belongs to the company Actiu Berbegal y Formas, S.A. CIF A031 37874 number, and acting as production headquarters, logistics and management of it, is considered as Carbon Neutral.

GHG emissions source inclusions – the table below shows the operational Greenhouse gas emissions emissions for Actiu Technology Park by emissions source. GHG inventory is in compliance with the requirements of ISO 14064-1. Actiu's total emissions for 2015 period were 1.668,84 tonnes of CO2e.

EMISSIONS SOURCE	CONSUMPTIONS		CO2e EMISSIONS
	QUANTITY	UNIT	Tonnes CO2e
PETROL - GASOIL	255.454,00	Liters	701,48
NATURAL GAS	1.399.142,00	kWh	288,22
ELECTRICITY	1.616.010,00	kWh	646,40
PAPER	1.130.000,00	Sheets	16,95
POTABLE WATER	589,00	M3	8,48
TRAIN TRAVEL	18.000,00	Km	2,82
AIR TRAVEL	40.800,00	Km	4,49
TOTAL CO2 EMISSIONS ACTIU TECHNOLOGIC PARK			1.668,84 Tonnes CO2eq

Offset – 7.600.000 kWh photovoltaic solar energy produced in 2015. This represents 3.040,00 Tonnes CO2e avoided.

Therefore recognizes the commitment of Actiu Berbegal y Formas, SA to managing and reducing its emissions and cancelling its remaining unavoidable emissions through production of photovoltaic solar energy.

A request for the record Actiu and appropriate purposes, this certificate is issued.

Signature: David Lázaro Rodríguez, MRICS, LEED AP
Sustainability Director, CBRE

www.cbrichardellis.es
Registro Mercantil de Madrid, Tomo 3, 411, General 2 690, Sección 3ª del libro de sociedades, folio 80, Hoja núm. 25.360. Inscripción 1ª N.I.F. A28339471



International Facility Management Association

Joaquin Berbegal Payá

is a member in good standing of the International Facility Management Association and is entitled to all rights and privileges of membership.

A handwritten signature in black ink, appearing to read "David J. Brady".

David J. Brady
President and Chief Executive Officer



Issued on September 14, 2009.



November 6, 2009

Joaquin Berbegal Payá
Commercial Director
ACTIU
Parque Tecnológico ACTIU Autovia CV.80 Salida O
Castalla, Alicante 03420
Spain

Dear Ms. Berbegal Payá:

Congratulations on being accepted as a member of the International Facility Management Association (IFMA). On behalf of the board of directors, staff and membership, I would like to welcome you to the premier Association for facility management. As a member of IFMA, you are part of the largest and strongest community of facility management professionals on the planet.

IFMA offers members the most comprehensive FM resources available today like professional development seminars and events, research, benchmarking, best practices reports, interaction, information and so much more.

As an IFMA member you now have access to seminars, conferences, research reports, surveys, newsletters and IFMA's award-winning bimonthly publication, *Facility Management Journal*. You also have exclusive access to IFMAnet, the members-only area of www.ifma.org. The Membership Directory can only be accessed by logging in to IFMAnet (members only). To log in, use your member ID number, **839297**, as the "Username". Your "Password" has been set-up as **castalla**. Please remember that your password must be entered in lower-case, with no spaces, to gain access. **839297**, also serves as your IFMA membership ID number. Please reference this number in all of your correspondence with IFMA.

You have included the additional benefit of membership in the **SP1 Madrid** Chapter. IFMA chapters add a special value to your membership experience on a local level. Chapters offer their members a range of benefits and services which include, but are not limited to networking and leadership opportunities, facility tours, CFM study groups, career support, educational sessions, topical discussions and sharing best practices. For more information regarding the benefits and services in your chapter please reference the attached roster of chapter contacts.

IFMA has defined the field of facility management and has created a professional identity for its members. We are continuously working to meet your needs. If ever you have any questions or need further assistance or information, please call IFMA Headquarters at +1-713-623-4362 or e-mail membership@ifma.org.

We are so pleased to have you as a member and look forward to many years of providing you with education, opportunities and support.

Sincerely,

David J. Brady

DESIGN SHOULD BRING FUNCTIONALITY AND
DIFFERENTIATION...
BUT TRULY GOOD DESIGN IS ONE THAT **SERVES**

PERSONAS

aniversary
1968.2018

THANK



VIDEO



www.actiu.com

