

# Texfel®

Acoustic & Design PET Felt



# about us

We are manufacturers since 1841 specialized in decorative and acoustic PET felts.

Texfel® is a brand of FYTISA, a family business led by the fifth generation; our motto is to manufacture high quality PET felts with attractive surface and wide range of colours for modern working and living spaces.

Texfel® is a range of acoustic and design PET felts that stand out for offering features adapted to the needs of architects, designers and OEMs.

# What's Texfel®

Texfel® is the range of felts manufactured by FYTISA with PET fibers, which stand out for offering features adapted to the needs of OEMs, architects and designers

What uses does it have?

TEXTFEL® is used as a fabric in the manufacture and decoration of office furniture, lighting and acoustic solutions, but also as a cladding and acoustic absorption solution in interior design projects for offices, hotels, projects in the contract sector

# Product range

Texfel®

Texfel® Interiors

Decorative PET felt in rolls  
31 colors available and 3 thicknesses.

Texfel® **Echo**

Acoustic absorption panels made of 100%  
PET felt with min. 60% recycled PET.




Texfel® **Acoustics**

20 colors available and 3 thicknesses

# Texfel® Interiors

Premium acoustic PET felt available in 43 colors and three thicknesses (1,75mm | 3mm | 5mm).

This range is the perfect match for vertical surface applications or for your acoustic solutions, but their uses are endless!

Texfel® Interiors 200		Texfel® Interiors 500		Texfel® Interiors 800	
<b>Weight</b>	200 g/m <sup>2</sup>	<b>Weight</b>	500 g/m <sup>2</sup>	<b>Weight</b>	800 g/m <sup>2</sup>
<b>Thickness</b>	1,75 mm	<b>Thickness</b>	3 mm	<b>Thickness</b>	5 mm
	25 lm (length) 200 cm (width)		20 lm (length) 200 cm (width)		15 lm (length) 200 cm (width)

Possibility of having finishes such as self-adhesive or an antimicrobial treatment

# Texfel® Interiors



# Texfel® Interiors

## Specifications



**Composition**  
100% PET



**Flame Retardancy**  
EN 13501-1+A1: B-s1, d0  
ASTM E-84-18: Class A



**Sound Absorption**  
UNE-EN ISO 354:  $\alpha_W = 0,15$  (H)  
EN ISO 11654: Class E



**Colour fastness to light**  
EN ISO 105-B02: 5-7



**Abrasion Resistance**  
UNE-EN 14465+A1: Class A  
ISO 12947-2 / AC: > 50.000 Rubs



**Environment**  
Recyclable, Low VOC, REACH and  
STANDARD 100 by OEKO-TEX®

# Texfel® Interiors

## Colors

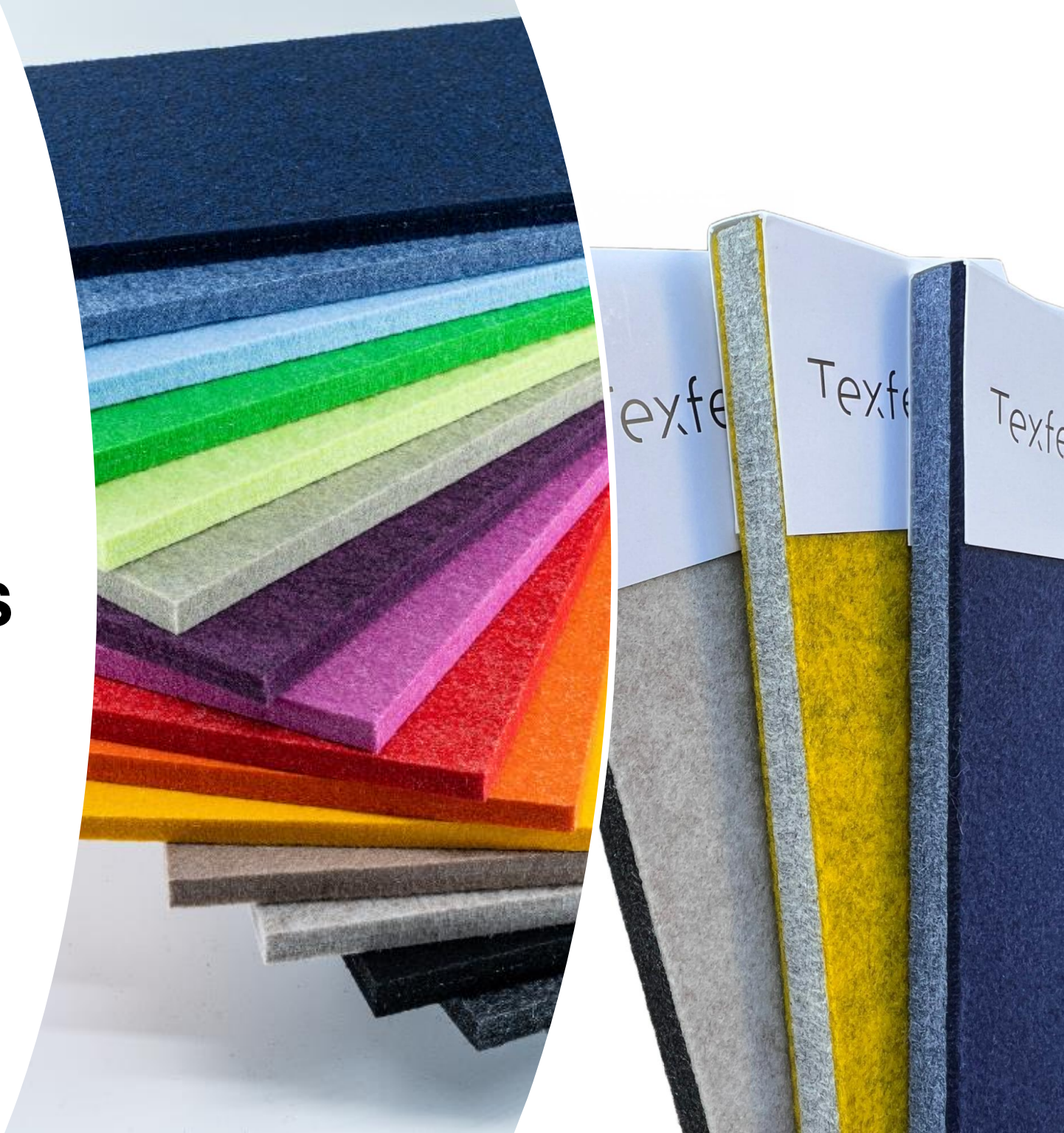
SOLID



MELANGE



**TEXFEL®  
ECHO  
&  
TEXFEL®  
ACOUSTICS**



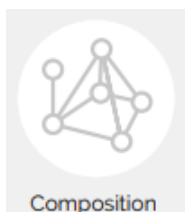
# TEXFEL® ACOUSTICS & TEFEL® ECHO

Our acoustic PET panels made with 60% pre-consumer recycled PET.

It is a soft but strong and durable material. New generation, high performance acoustic material.

Different formats and densities with thicknesses of 9mm | 12mm | 24\* mm.

Available in 20 colors



**100 % PET  
(60% rPET)**



**9mm  
12 mm  
24 mm**



**2440x1220  
2800x1220  
3050x1220**



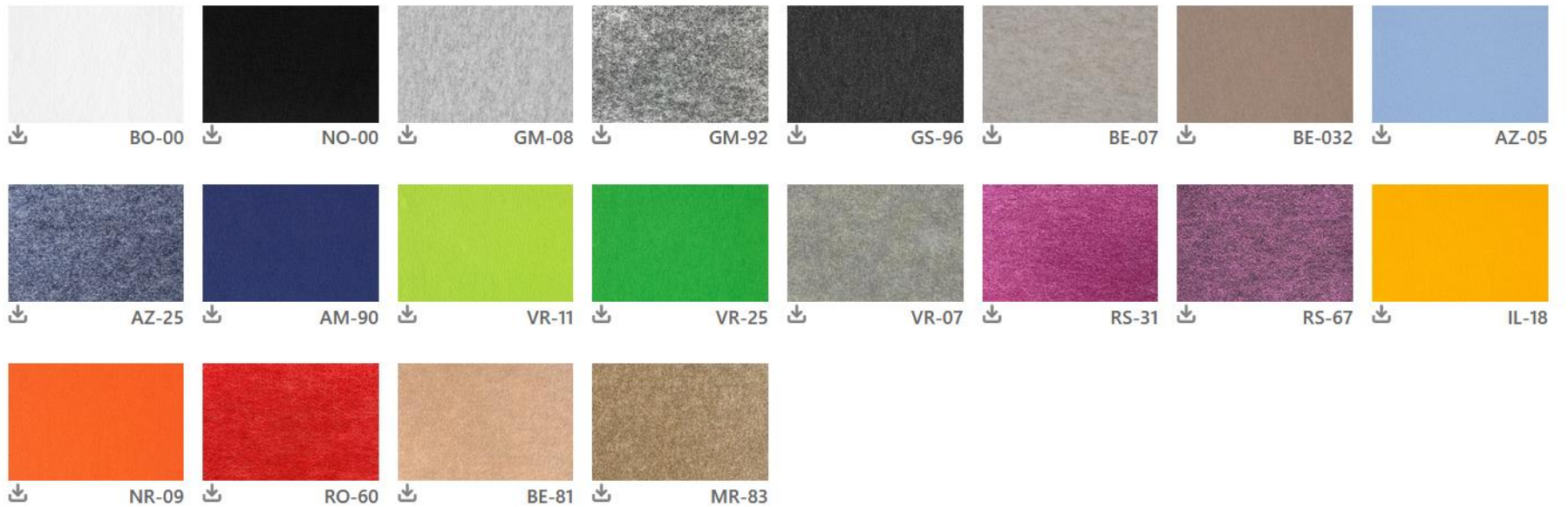
**EN 13501-1+A  
Bs2,d0**



**EN ISO 354  
up to 0,90**

# TEXFEL® ECHO

## Colors



# Texfel® Echo

Acoustic absorption and decorative function combined in rigid panels that can be cut to desired shapes.

## Texfel® Echo 9



**Weight**  
1.620 g/m<sup>2</sup>



**Density**  
180 kg/m<sup>3</sup>



**Thickness**  
9 mm



Each panel contains **106** recycled PET bottles

## Texfel® Echo 12



**Weight**  
2.440 g/m<sup>2</sup>



**Density**  
203 kg/m<sup>3</sup>



**Thickness**  
12 mm



Each panel contains **159** recycled PET bottles

## Texfel® Echo 24



**Weight**  
3.000 g/m<sup>2</sup>



**Density**  
125 kg/m<sup>3</sup>



**Thickness**  
24 mm



Each panel contains **195** recycled PET bottles



### Format

2440 mm x 1220 mm  
2800 mm x 1220 mm  
3050 mm x 1220 mm



**Composition**  
100% PET  
min. 60% Recycled



**Environment**  
Recyclable, Low  
VOC, REACH



**Acoustic absorption**  
UNE-EN ISO 354:2004  
Up to  $\alpha_w = 0,90$  (-)  
EN ISO 11654: Class A

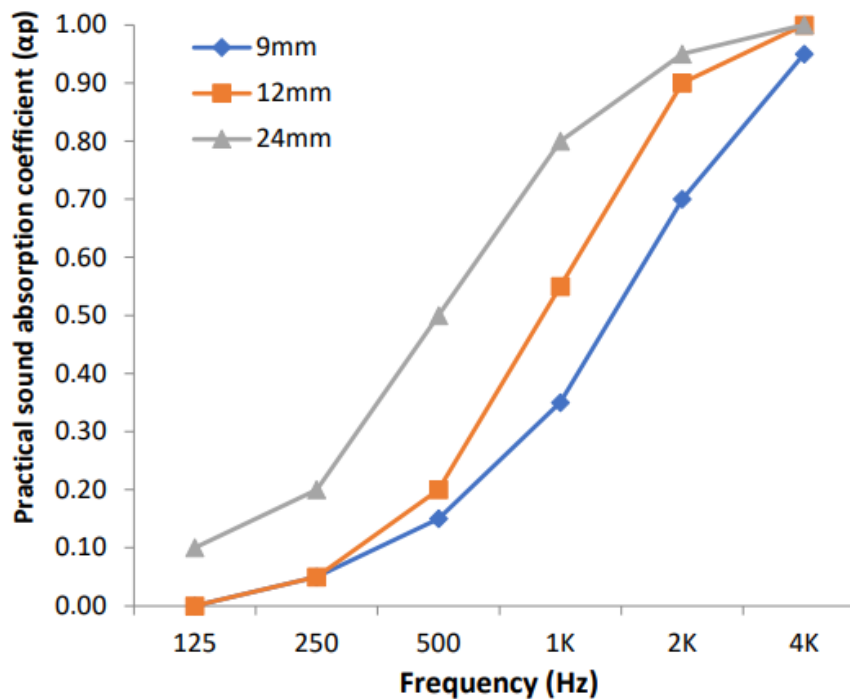


**Fire resistance**  
EN 13501-1+A1: B-s2, d0

## Summary table of specifications

Property	Norm	Texfel Echo 09			Texfel Echo 12			Texfel Echo 24		
Composition		100% PES (60% recycled PET)			100% PES (60% recycled PET)			100% PES (60% recycled PET)		
Superficial mass (g/m <sup>2</sup> )	ISO 9073/1	1650			2500			3000		
Thickness (mm)	ISO 9073/2	9			12			24		
Density (kg/m <sup>3</sup> )	Calculation	183			208			208		
Reaction to fire	EN 13501-01:2018	B-s2-,d0			B-s2-,d0			B-s2-,d0		
Color fastness to light	EN ISO 105-B02	min 5 - max 7			min 5 - max 7			min 5 - max 7		
Absorption coefficient ( $\alpha_p$ ) freq. (Hz)		Direct to wall	Air gap 50 mm	With 50 mm Stone wool	Direct to wall	Air gap 50 mm	With 50 mm Stone wool	Direct to wall	Air gap 50 mm	With 50 mm Stone wool
125	EN ISO 354:2004	0,00	0,10	0,35	0,00	0,15	0,40	0,08	0,19	0,30
250		0,05	0,30	0,90	0,05	0,40	0,95	0,20	0,42	0,92
500		0,15	0,60	1,00	0,20	0,75	1,00	0,49	0,90	1,12
1000		0,35	0,95	1,00	0,55	1,00	1,00	0,82	1,02	1,02
2000		0,70	1,00	1,00	0,90	1,00	1,00	0,96	1,00	1,09
4000		0,95	0,95	1,00	1,00	0,95	1,00	1,03	1,07	1,08
Coefficient ( $\alpha_w$ )	EN-ISO 11654:1998	0,25	0,60	1,00	0,25	0,70	1,00	0,50	0,70	1,00
Absorption class	EN-ISO 11654:1998	E	C	A	E	C	A	E	C	A
NRC	ASTM C423	0,3	0,7	1,00	0,45	0,8	1,00	0,6	0,85	1,00

**TEXFEL ECHO Practical sound absorption coefficient**



Practical sound absorption coefficient (αp)										
Panel	Gap	Fill	125	250	500	1K	2K	4K	NRC	Class
9mm	0	None	0.00	0.05	0.15	0.35	0.70	0.95	0.25	E
12mm			0.00	0.05	0.20	0.55	0.90	1.00	0.25	E
24mm			0.10	0.20	0.50	0.80	0.95	1.00	0.50	D
9mm	50mm	Air	0.10	0.30	0.60	0.95	1.00	0.95	0.60	C
12mm			0.15	0.40	0.75	1.00	1.00	0.95	0.70	C
9mm	50mm	Stone Wool	0.35	0.90	1.00	1.00	1.00	1.00	1.00	A
12mm			0.40	0.95	1.00	1.00	1.00	1.00	1.00	A

# Texfel® Acoustics

High density acoustic panels. Fiber structure offers higher material rigidity, stiffness, and acoustic performance.

## Texfel® Acoustics



**Weight**  
2.440 g/m<sup>2</sup>



**Density**  
271 kg/m<sup>3</sup>



**Thickness**  
9 mm

### Format



2440 mm x 1220 mm  
2800 mm x 1220 mm  
3050 mm x 1220 mm



Each panel contains **159** recycled PET bottles



**Composition**  
100% PET  
min. 60% Recycled



**Environment**  
Recyclable, Low  
VOC, REACH and  
STANDARD 100 by  
OEKO-TEX®



**Acoustic absorption**  
UNE-EN ISO 354:2004  
Up to  $\alpha_w = 0,90$  (-)  
EN ISO 11654: Class A



**Fire resistance**  
EN 13501-1+A1: B-s2, d0

# **Sustainability**



Environmental Product Declaration (EPD)



Low VOC emission certification



## Cradle to Cradle

We will become circular. Our goal is to manufacture our Texfel<sup>®</sup> range as circular products.

# Projects



MAIF SOCIAL CLUB - Paris - (France)



WORKO CORWORKING - Wroclaw -  
TETRIS Design+Build (Poland)



INGENIAS OFFICES – Barcelona – TURULL SORENSEN  
(Spain)





TRÉBOL DIAGONAL OFFICES – Barcelona – TURULL SORENSEN (Spain)



BGŻ BNP Paribas – Warsaw – MASSIVE DESIGN (Poland)





BGŻ BNP Paribas – Warsaw – MASSIVE DESIGN (Poland)



CONTROL LOGIC- Warsaw –  
TETRIS Design+Build (Poland)



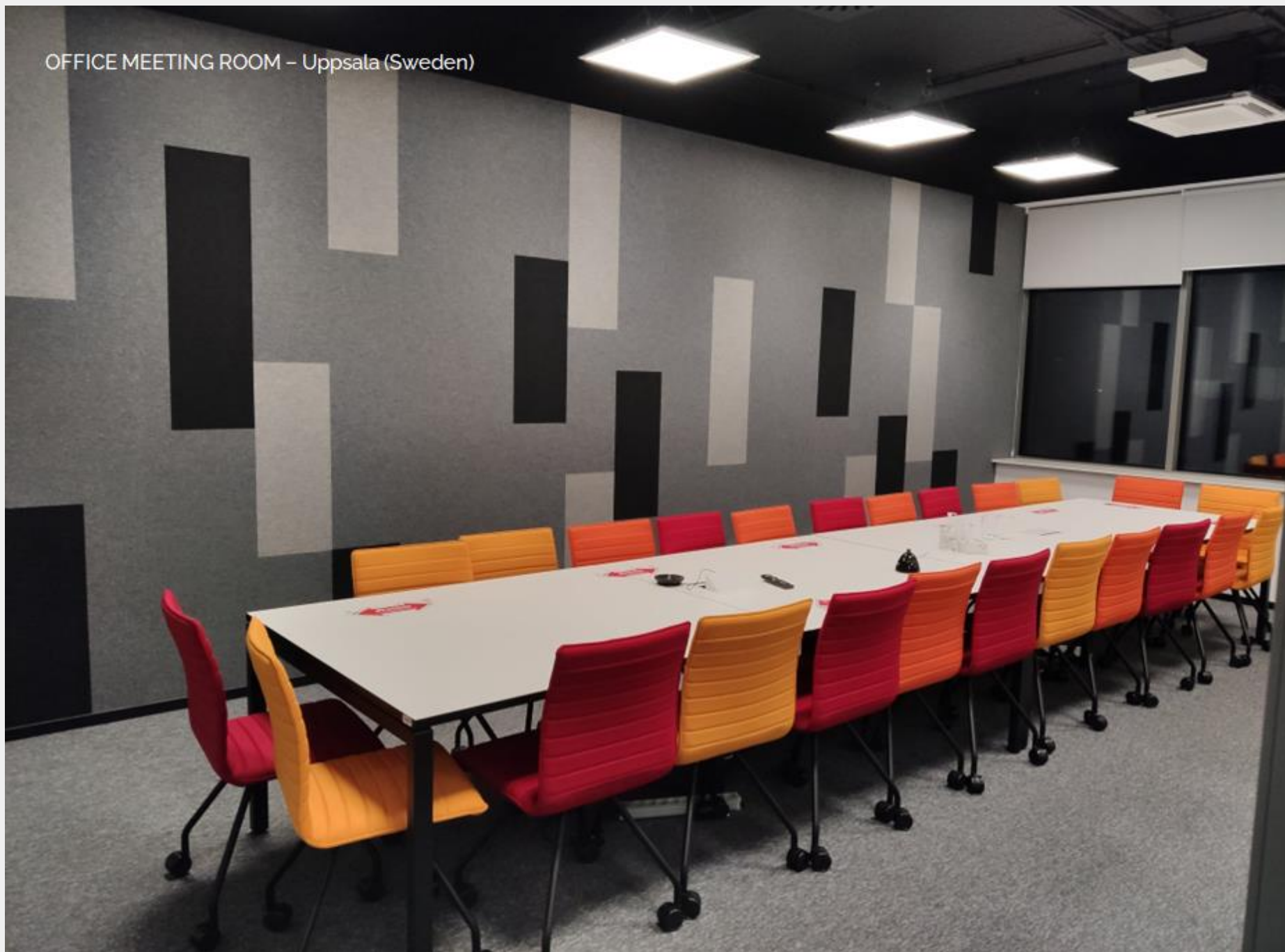
Mansartis – Paris- Fern.Paris & Dear Design (France & Spain)



Henkel Ibérica – Barcelona – CONSTRUNEXT & BLOSSOM (Spain)

FIRST WORKPLACES FIRA – Barcelona – UNEN (Spain)

OFFICE MEETING ROOM – Uppsala (Sweden)





MEETING ROOM - Espoo (Finland)

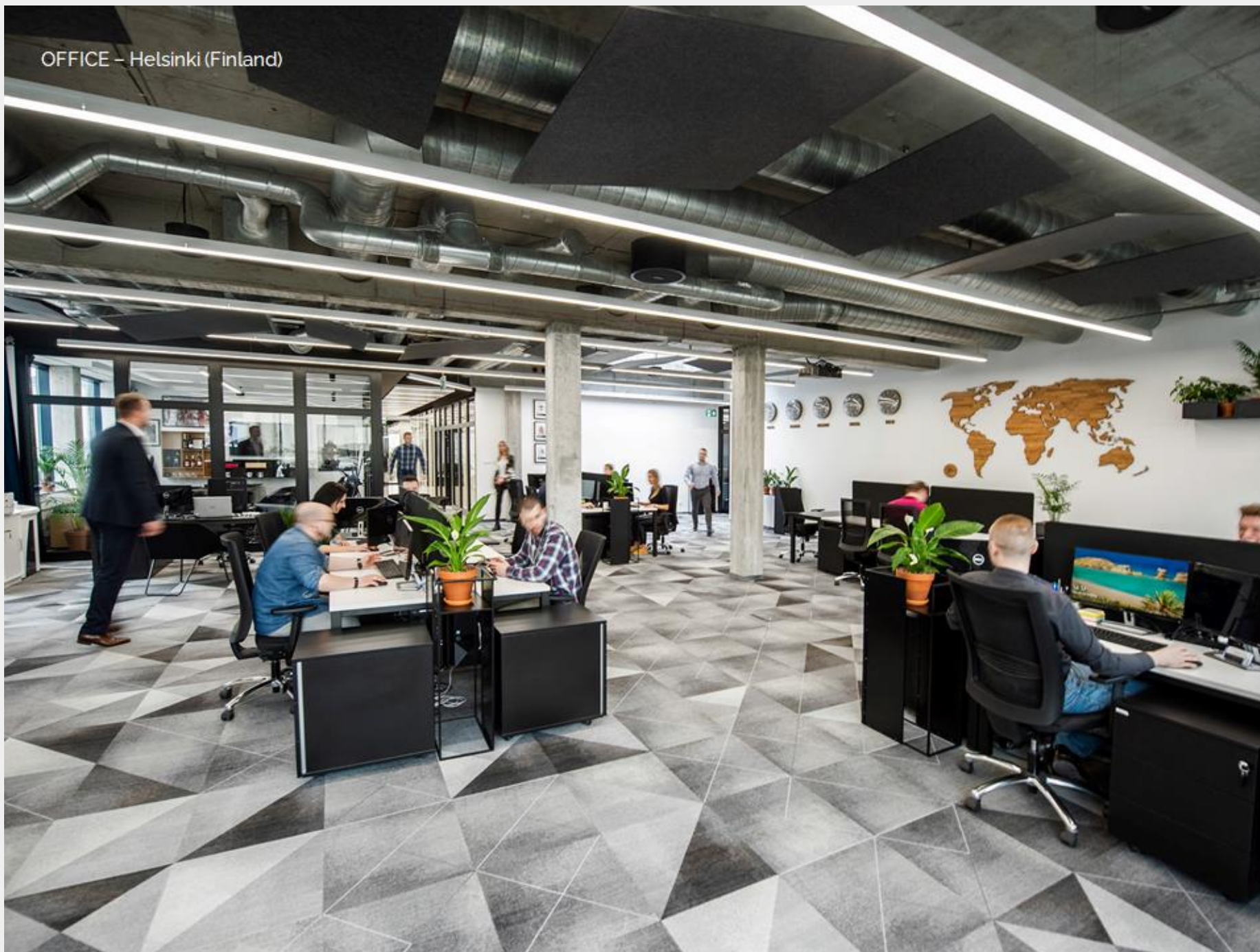


ASAGUOMO Japanese Restaurant – Dear Design - Barcelona (Spain)



360 CODE LAB WARSAW- Warsaw (Poland)

OFFICE – Helsinki (Finland)



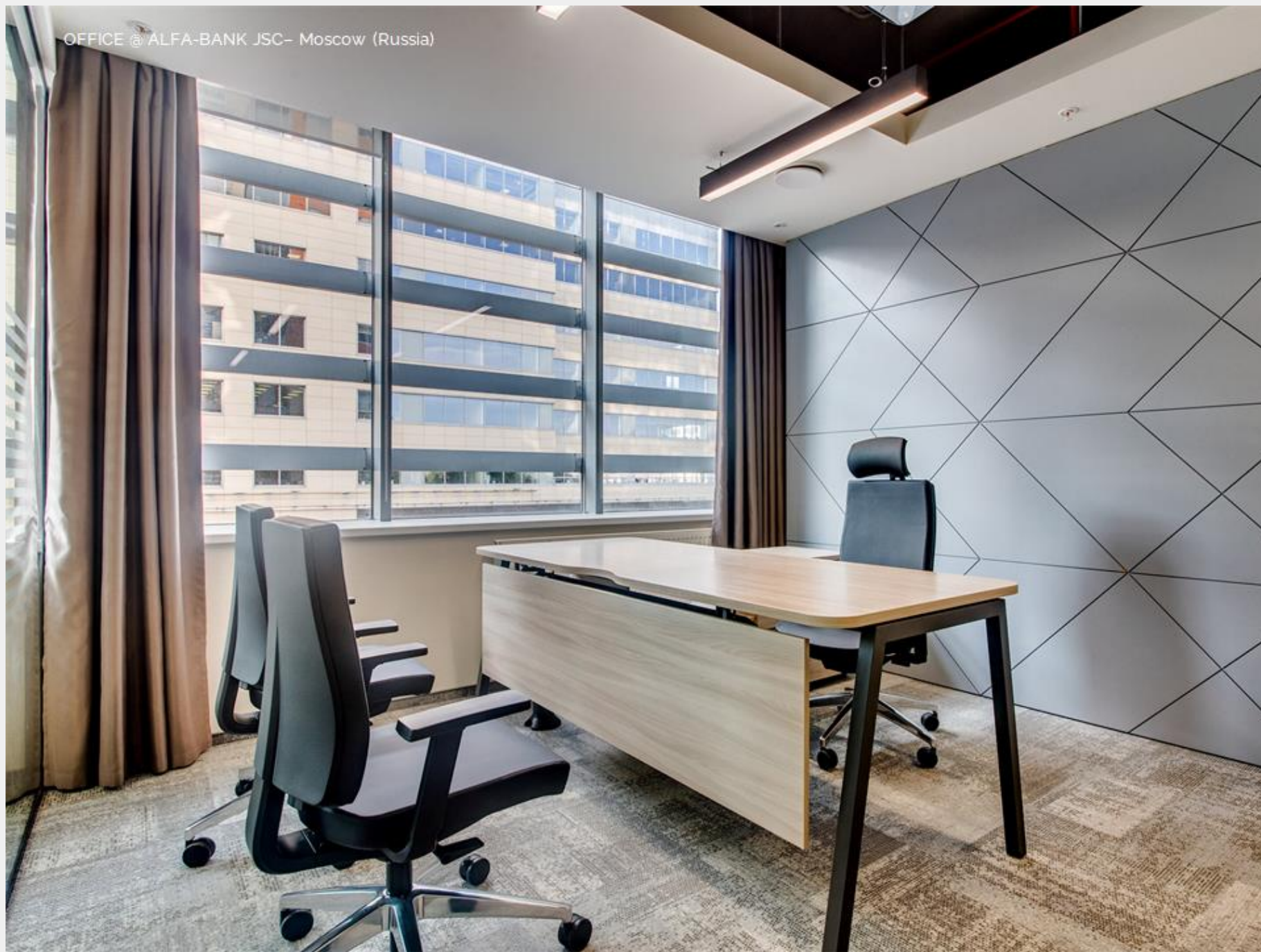


MEETING ROOM @ Złote Tarasy COMPLEX- Warsaw (Poland)



PAPERNEST- Madrid (Spain)

OFFICE @ ALFA-BANK JSC- Moscow (Russia)





MEETING ROOM @ SOLENIS Poland- Warsaw (Poland)



MEETING ROOM @ SOLENIS Poland- Warsaw (Póland)



DOCTORALIA OFFICES – BARCELONA  
LAGRANJA DESIGN (SPAIN)



Farbiarnia Space – Bielsko-Biała (Poland)

BITBASI ESADE – Barcelona  
CONSTRUCCIÓN & BLOSSOM (Spain)





Administrative Campus Offices - Government of Catalonia- Barcelona -  
BATLLE I ROIG ARQUITECTURA (Spain)



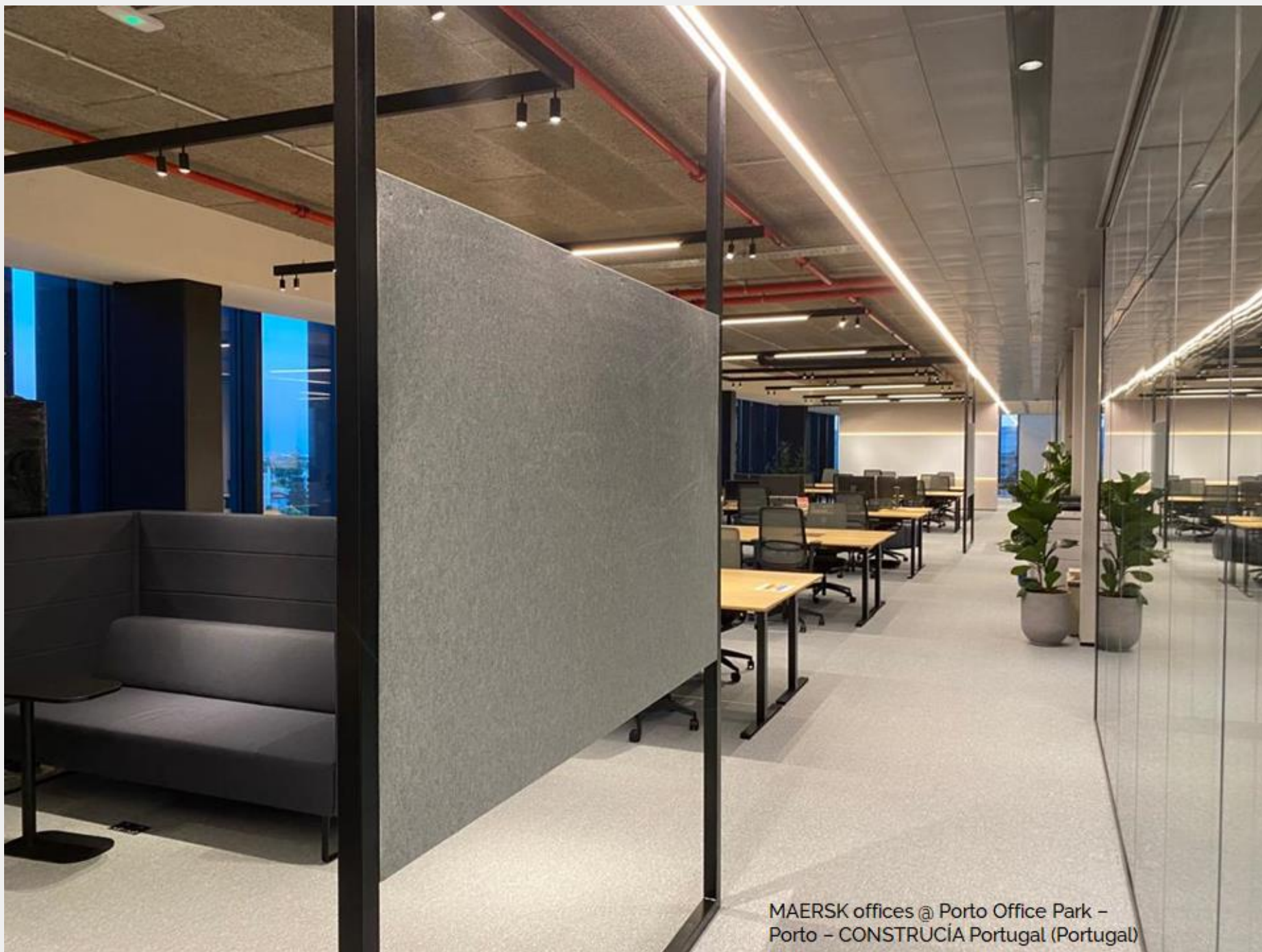
Administrative Campus Offices - Government of Catalonia - Barcelona -  
BATLLE I ROIG ARQUITECTURA (Spain)



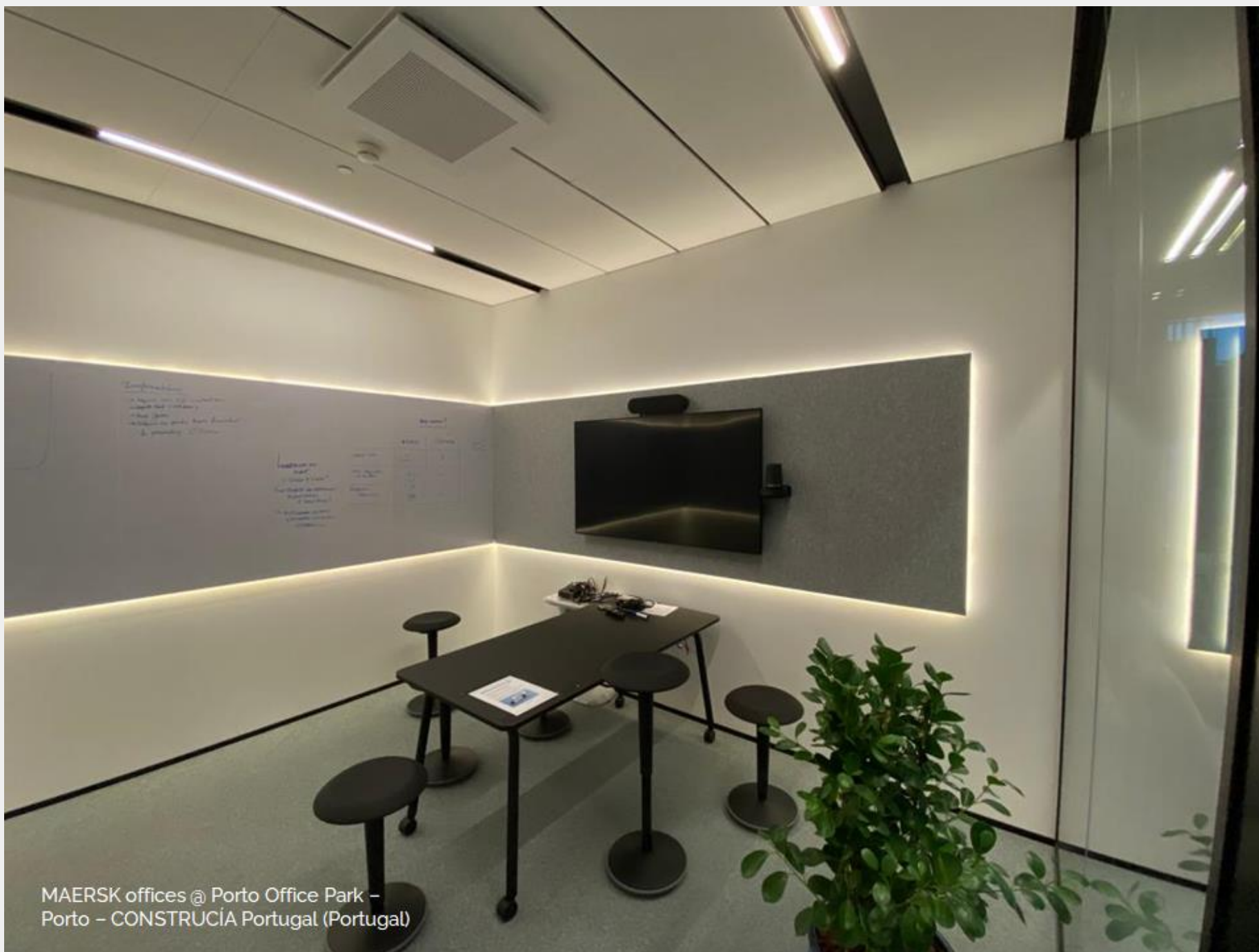
GrECo @The Warsaw HUB – Warsaw –  
MASSIVE DESIGN (Poland)

Porto Office Park - Porto - VIOLAS FERREIRA (Portugal)



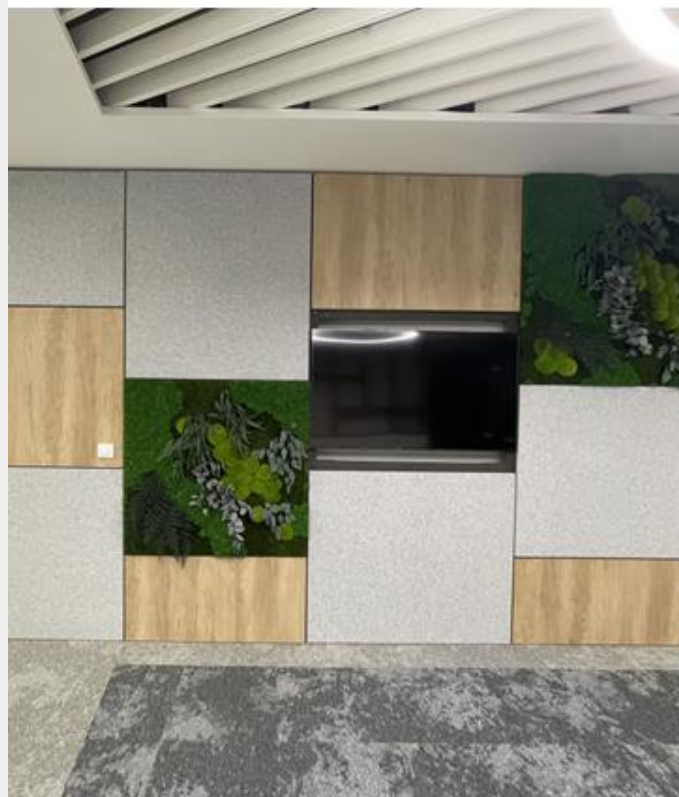


MAERSK offices @ Porto Office Park -  
Porto - CONSTRUCIA Portugal (Portugal)

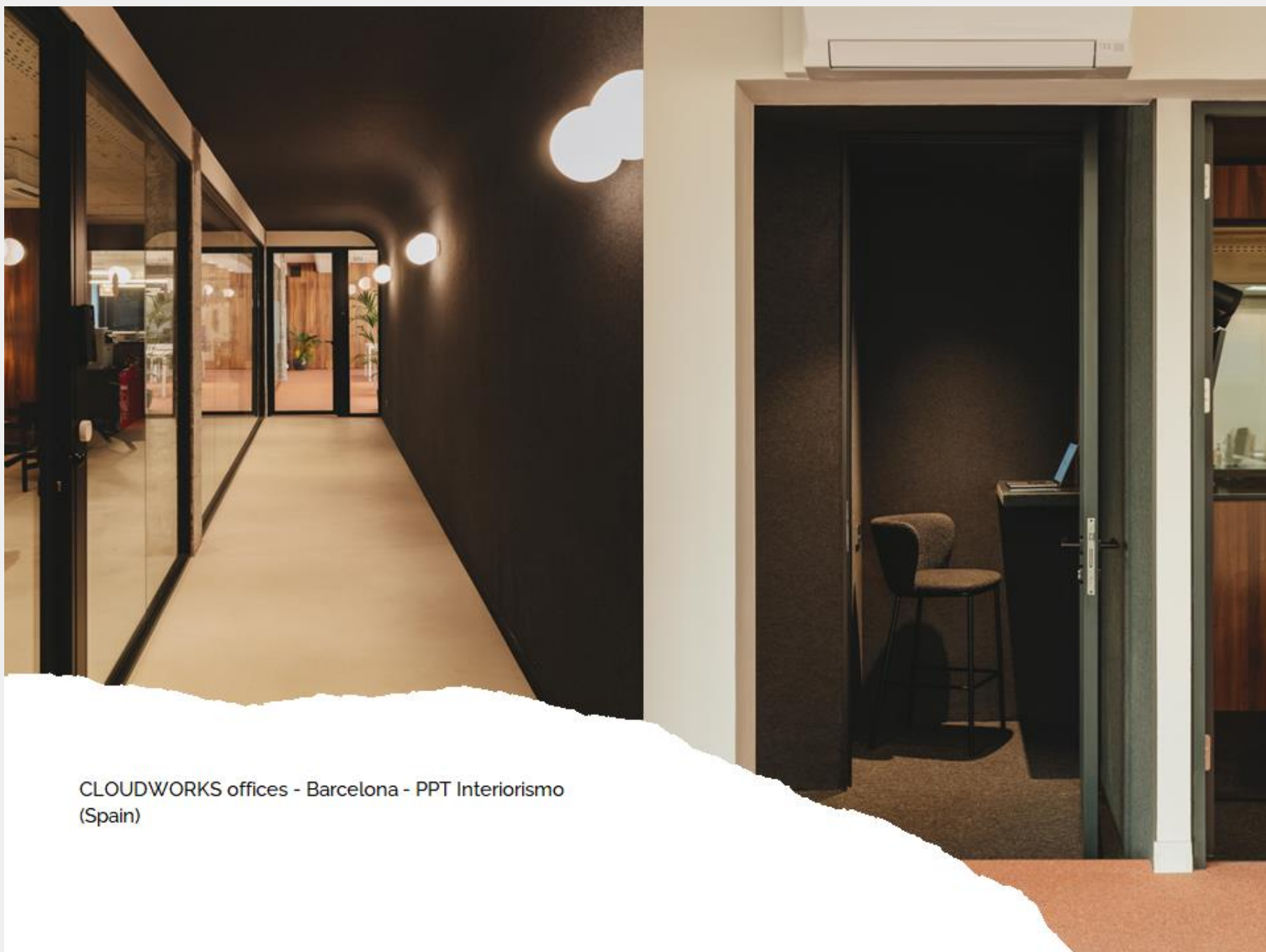


MAERSK offices @ Porto Office Park –  
Porto – CONSTRUCIA Portugal (Portugal)

Egon Zehnder Headquarters – Madrid –  
VOLTA ARQUITECTURA (Spain)



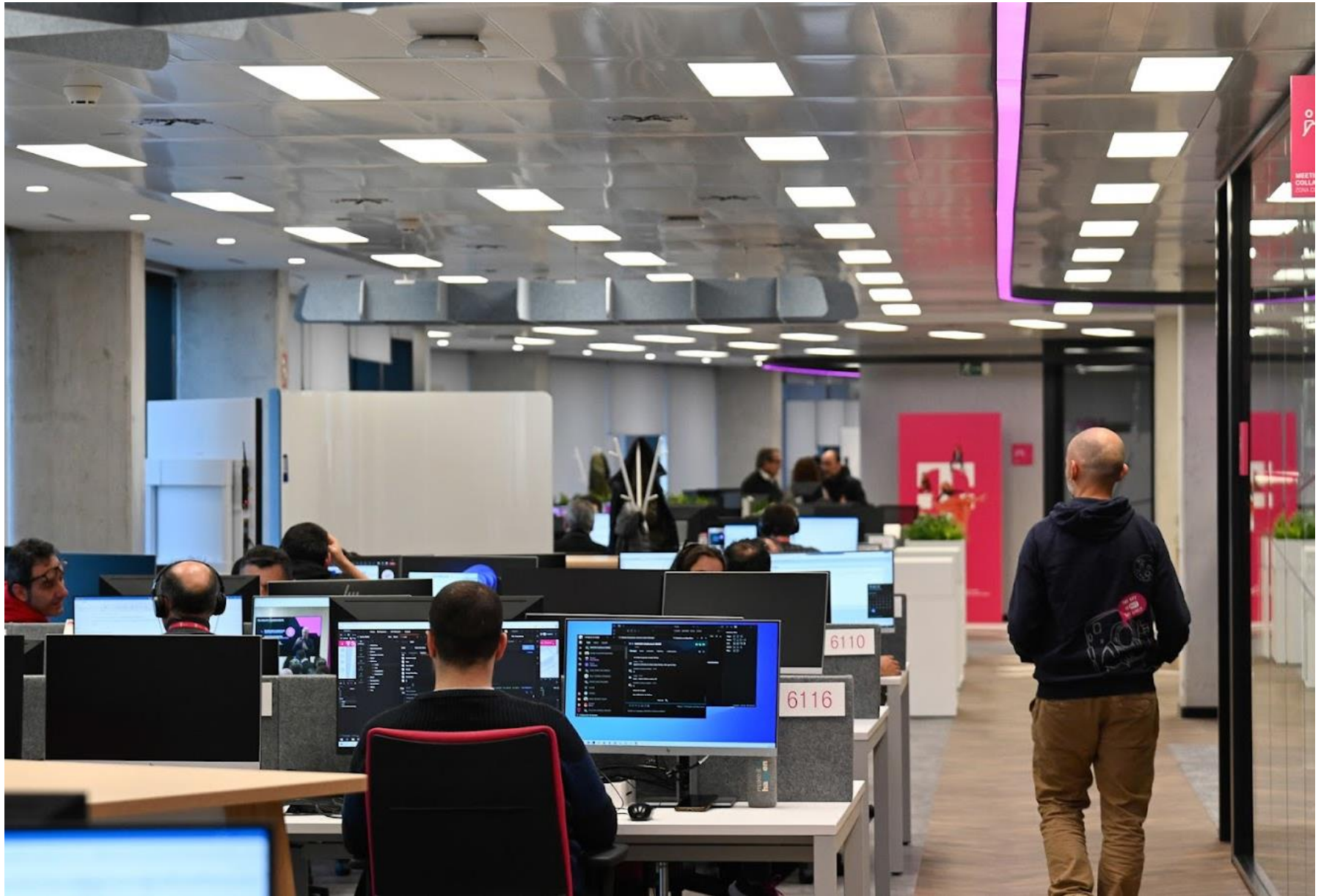
DHL offices - REDLINE Contract (Romania)



CLOUDWORKS offices - Barcelona - PPT Interiorismo  
(Spain)







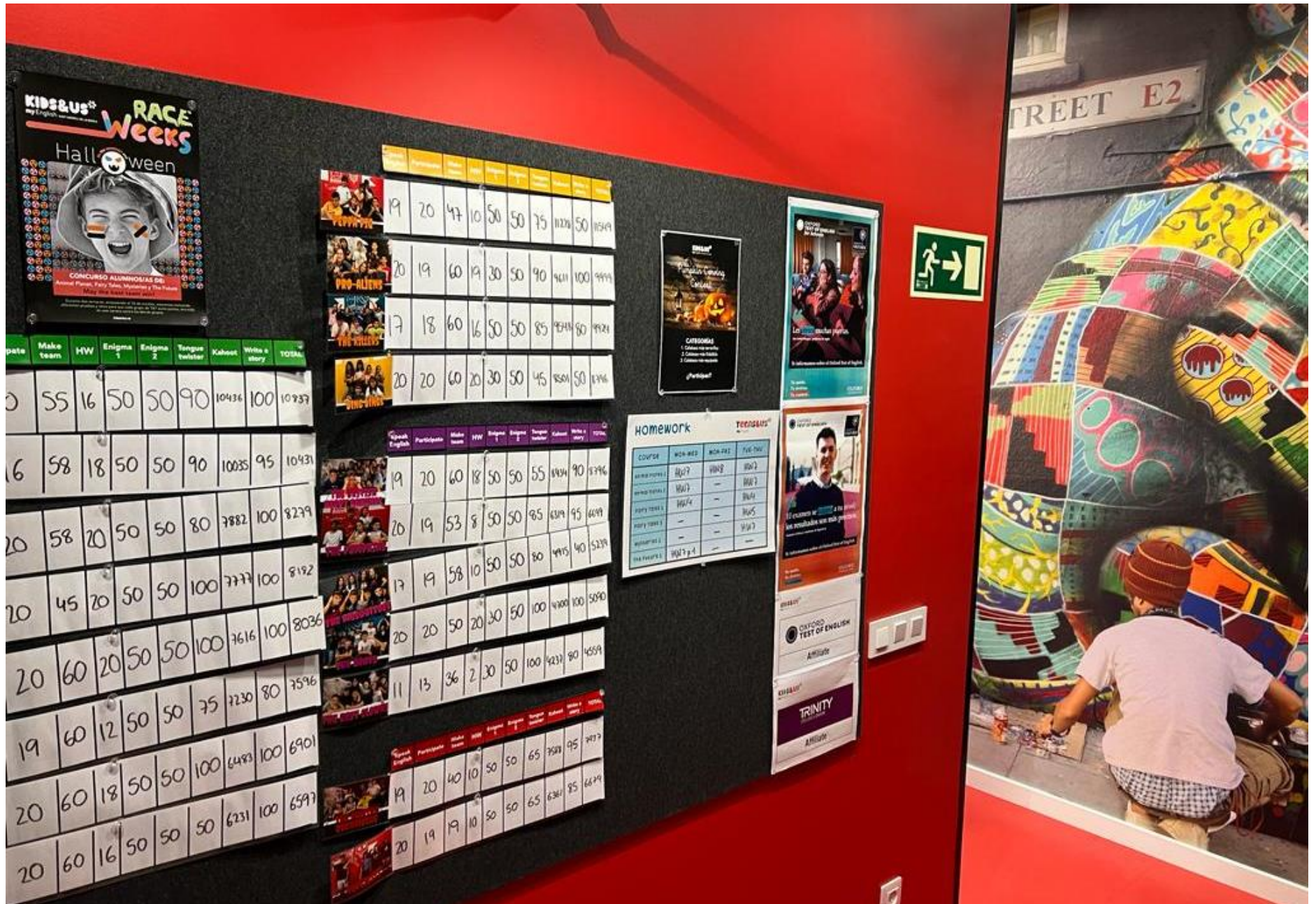


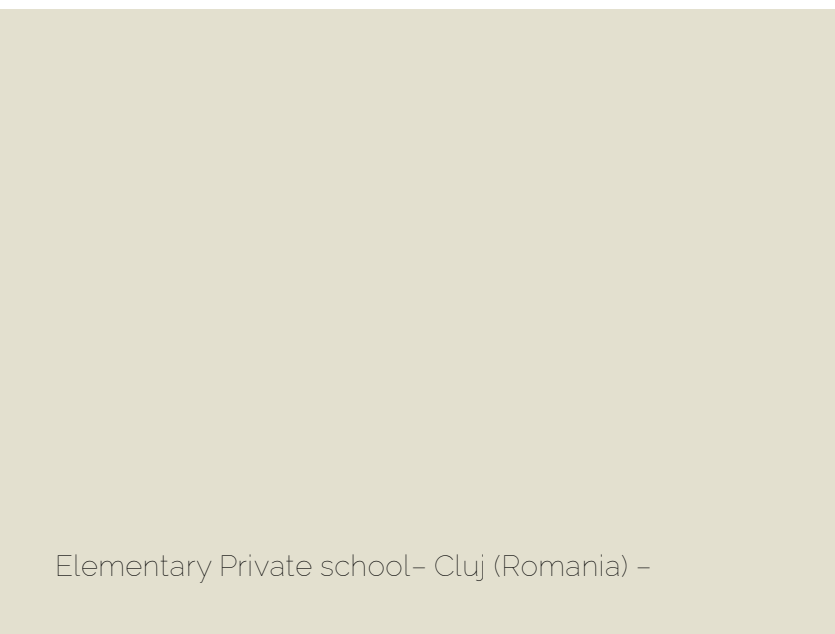
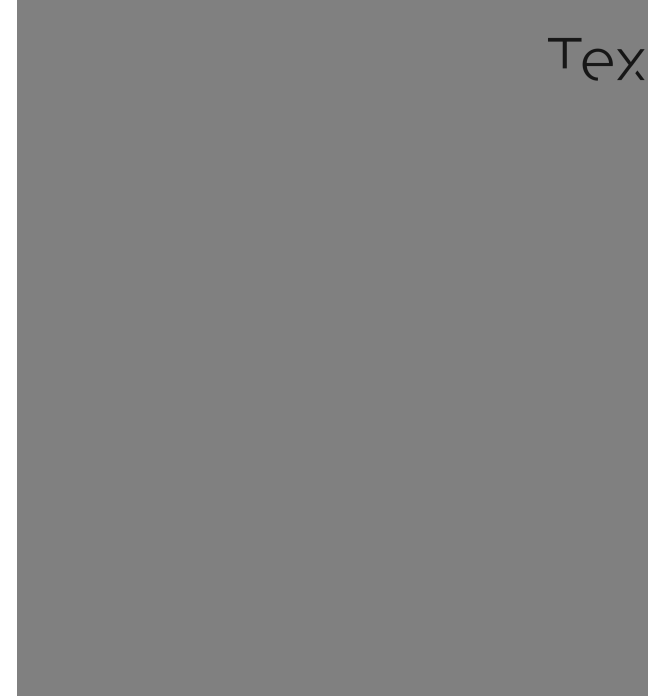
IESE Business School – Barcelona  
(Spain) – M3 INTERIORS





IESE Business School – Barcelona (Spain) – M3 INTERIORS









**FYTISA**

**HEAD OFFICE**

c/ Orient, 78-84  
2ª Planta Oficina 16-17  
08172 Sant Cugat del Vallès  
Barcelona (Spain)

+34 935 878 784

**FACTORY**

c/Fonoll, 1  
Poligon Industrial d'Olius  
25286 Olius  
Lleida (Spain)

+34 973 484 060

[www.fytisa.com](http://www.fytisa.com)

Texfel®  
**Gracias**