



ZONAIR3D
PURE AIR, JUST BREATHE

Creating a new sky



CORPORATIVE
PRESENTATION
ZONAIR3D

HISTORY



Mr. Xavier Trillo.
Founder. CEO.

More than 15 years of **research and development**
allow us to be today in the **best projects**,
together with the **most prestigious companies**.

WE ARE PROUD TO BELONG TO
THE EXCLUSIVE BUSINESS CLUB THAT
ADD **VALUE** TO THE CONSUMER,
BASED ON **HEALTH** AND
THE **FUTURE** OF YOUR TEAMS.

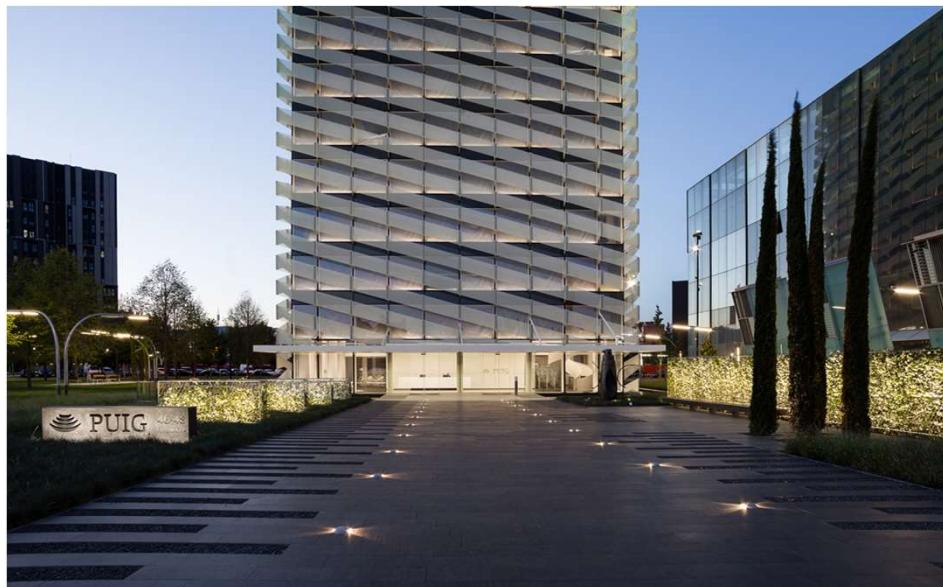
These are some of the many examples
where they are already breathing pure air
in the world...

INTRODUCTION

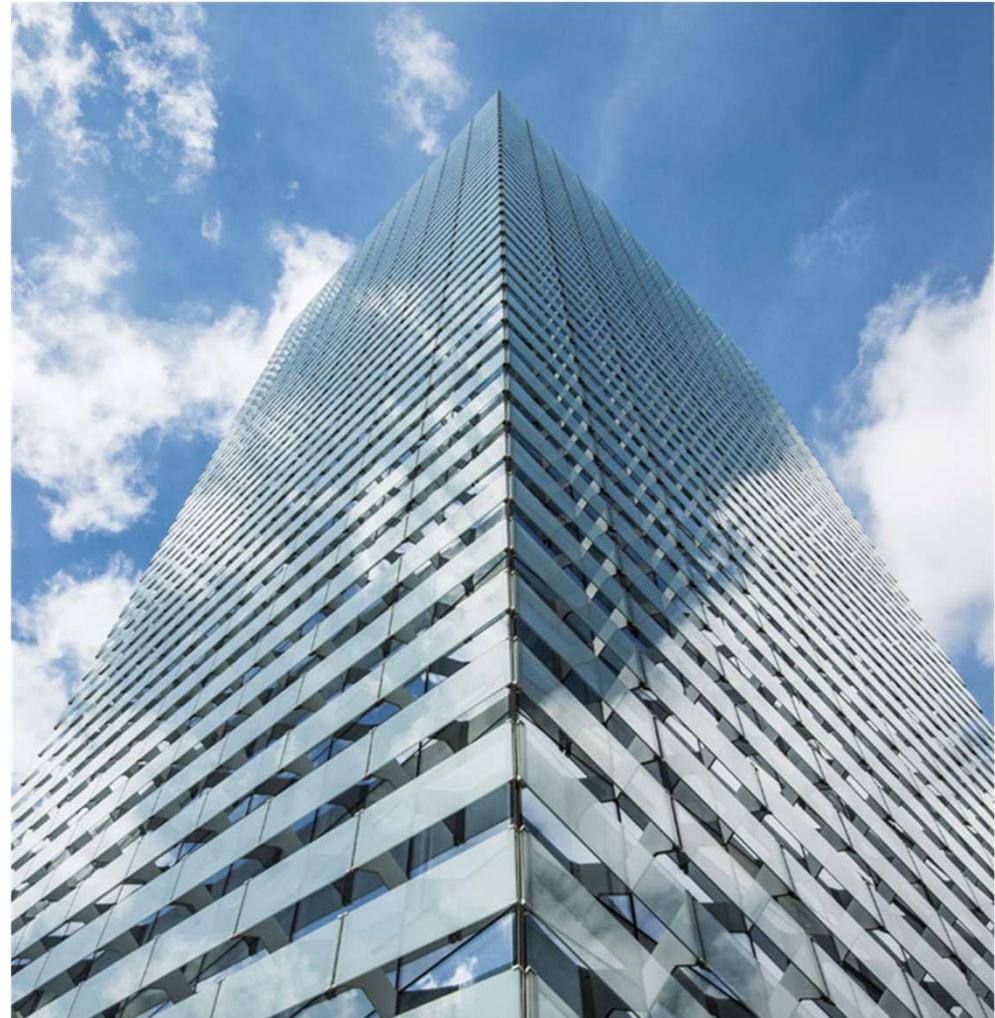
Our **goal** is to create a future in which our only concern is to **improve the lives of people** with respiratory problems because the rest of the planet does not need purifying.

Until that future is here, Zonair3D™ will continue making every effort to **create havens of pure air** in which people can live their lives under the best possible conditions.

INTRODUCTION



Olfactive Systems, Barcelona



INTRODUCTION



Offices: Beijing, Hong Kong and Shanghai

Cartier

INTRODUCTION



CBRE

Offices: Santiago de Chile



HAWORTH

Shanghai

INTRODUCTION



New York University, Shanghai

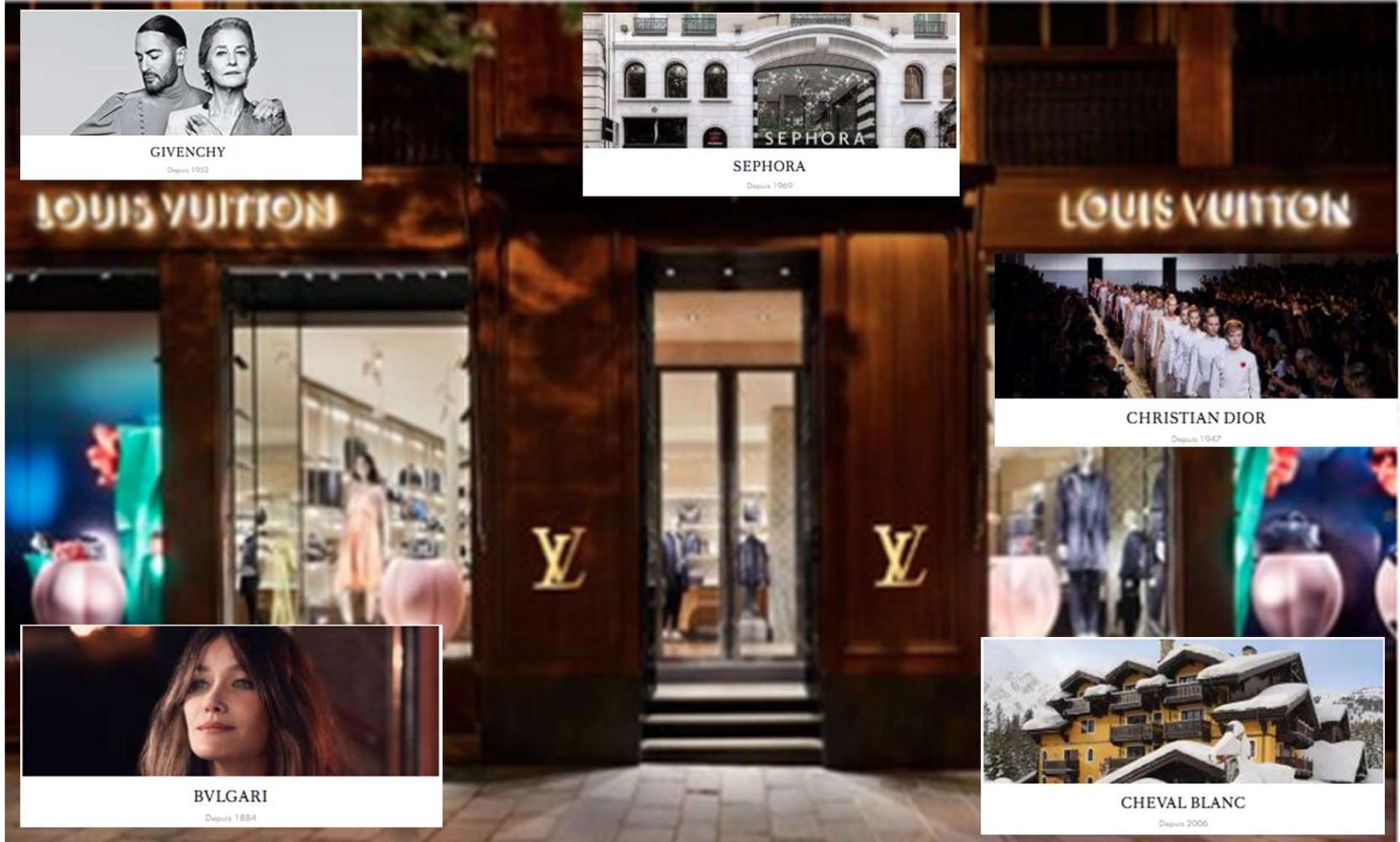
NYU
上海  SHANGHAI
纽约大学

INTRODUCTION

LVMH

Global project:

LIFE /
LVMH
/



OUR COMPANY



ZONAIR3D™
PURE AIR, JUST BREATHE



THE COMPANY

ZONAIR3D, S.L. is a Spanish company operating on all five continents that is engaged in the research and scientific development of air purification systems.

In collaboration with a number of scientific institutions and research centres, **ZONAIR3D, S.L.** works on the development of solutions offering answers to unresolved needs in such areas as health, wellbeing or buildings, among others.

ZONAIR3D, was founded by the initial Spanish company Bubble Space, S.L.

THE COMPANY

Thanks to the synergies generated by the business of both partners, today at ZONAIR3D™, we offer a pure air solution of the highest quality for indoor spaces with the latest generation communication technology for big data control and monitoring.

WE INCORPORATE THE ENTIRE
NETWORK OF PRODUCT
AND SERVICE VALUE

R + D + i



Engineering



Manufacturing



Maintenance



Operation



THE COMPANY

ZONAIR3D, S.L. has 4 production centres, all of them located in Spain, where it undertakes the manufacture of both, the purification units, and the inflatables for pure air Bubbles and rapid response operating rooms field.

Works under the corporate brand of your property:



The main product families division:



We are committed to the environment, business ethics, anti-corruption policies, the protection of labour rights and the projection of our employees.

The overall proof is the recognition on an International evaluation level with a ranking of a **ecovadis** SILVER medal.



The degree of air quality generated by our equipment has been internationally classified under ISO 5 standards, and is a working tool in the most extreme circumstances and emergency situations of rapid response.

Our Bubble is the first and unique portable operating room in the world.

The bubble operating theatre

In Kaila hospital, Sierra Leone, MSF has been training a mobile mobile medical space that could revolutionise the way our medical teams conduct surgery in conflict zones and in the aftermath of emergencies.

The bubble operating theatre is a portable surgical unit equipped with an air filter that provides sterile conditions for surgery. Quick to assemble, the bubble OT is easily deployed and is designed for repeated use.

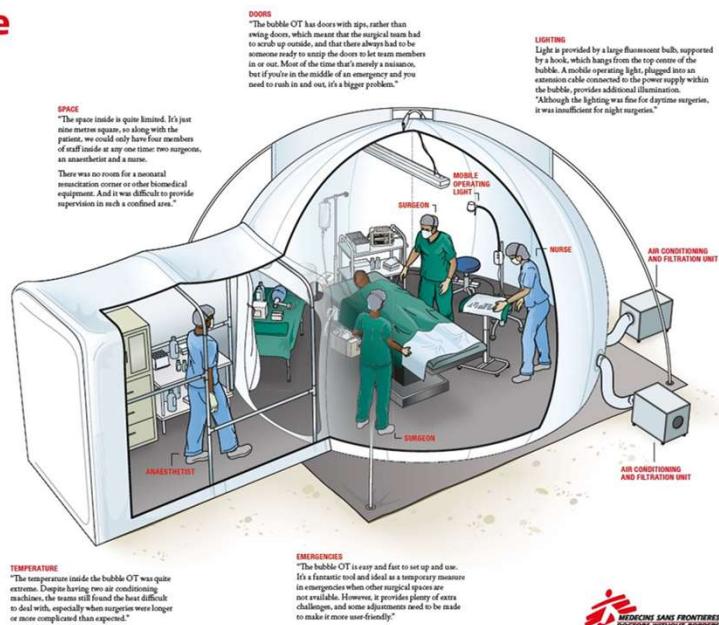
Dr Sosia Gulewurt, MSF obstetrics and gynaecology adviser, explains the advantages – and the disadvantages – of using this space:

"MSF began working in Kaila district hospital in 2016, with a particular focus on the health of mothers and children. Sierra Leone has the highest infant mortality rate in the world, and with the lack of infrastructure, it is difficult to rebuild its health system after the west Africa Ebola epidemic. MSF needed to assist."

At the time we started working in Kaila, the operating theatre underutilised the space. It was vital that we could carry on conducting surgeries, so we decided to use the bubble operating theatre.

MSF had already deployed in Syria and in the Philippines, so we knew a complete unknown.

Between April and November 2016, we performed a total of 90 surgeries inside the bubble OT – an average of one every three days. Three of these were caesarean sections, but we also did many complete surgeries, including sterilisations, hysterectomies etc..."



ZONAIR3D

Unidad: ZONAIR 3D
Código: E_19.236_Inf

Sistema: HVAC



3.2.2 Contaje de partículas

• Procedimiento:

Se utilizará la Norma UNE EN ISO 14644-1 como norma técnica y para definir los resultados obtenidos en cuanto a Criterios de aceptación. Los puntos de muestreo vienen definidos en la Tabla A.1 de dicha norma.

Se efectuará 1 lectura por punto (el volumen de muestreo de 1m³ por punto). Los resultados se darán en partículas/m³.

Tablas de límites:

CLASE "N" de ISO	Valor máximo de la concentración de partículas (partículas/m ³ de aire) igual o mayor a: (Nota: Se tienen en cuenta únicamente los dos tamaños de partículas especificados en las GMP)		
	de 0,5 μm de Ø	de 1,0 μm de Ø	de 5 μm de Ø
ISO 1	***	***	***
ISO 2	4	***	***
ISO 3	35	***	***
ISO 4	352	83	***
ISO 5	3.520	832	Factor (ISO M (20;≥5 μm))
ISO 6	35.200	8.320	293
ISO 7	352.000	83.200	2.930
ISO 8	3.520.000	832.000	29.300
ISO 9	35.200.000	8.320.000	293.000

• Criterio de aceptación:

La concentración de partículas es la correspondiente a la clasificación especificada (ISO 5).

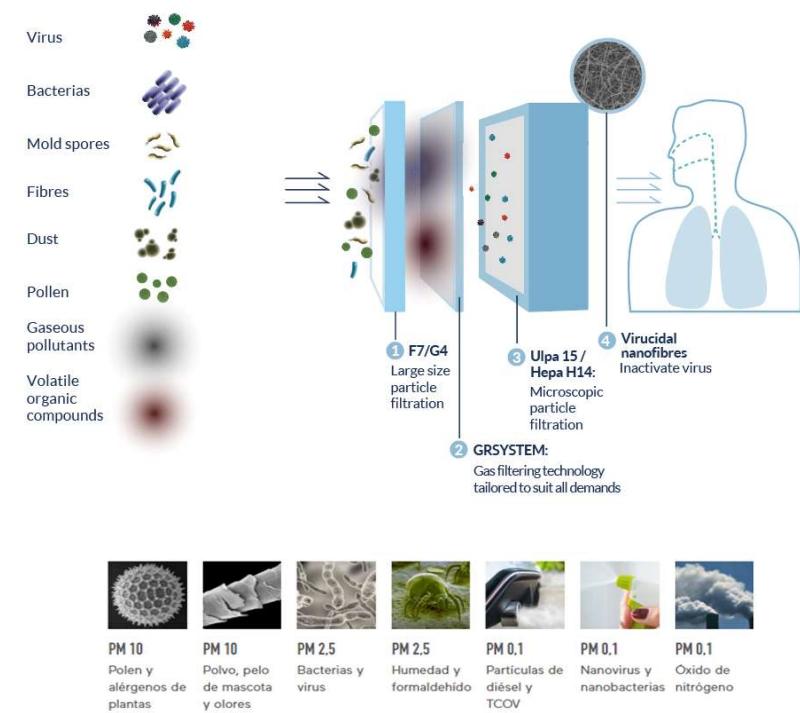
Tabla 2. – Sistema HVAC – ZONAIR 3D
Contaje de partículas (Cumplimiento de especificaciones)

Anexo	Referencia	Técnico	C.A. Concentración máxima de partículas/m ³ por punto	Obtenido	Verdicto
1	ZONAIR 3D	ISO 5	0,5 μm 5,0 μm	3.520 20	ISO 5 CONFORME

C.A.: Criterio de aceptación

Excellence is the result of the use of quality non-deformable materials, handmade equipment, absolutely staled and tight air with the best filters on the market, tested and approved one by one.

No equipment enters the market if it does not pass a test of 0.0 on 0.3 micron particles (PM 0.3).



Quality certified by exhaustive tests in the most popular International Air Quality laboratory:



IPROMA



REFERENCIA:

INFORME DE ENSAYO

1.- IDENTIFICACIÓN DEL ENSAYO

OFERTA	JVL. 02.11.2020	FECHA:	03/11/2020
REFERENCIA:			
MOTIVO OFERTA:	ENSAYOS DE EFICACIA EQUIPOS PAB HOME		
CLIENTE:	ZONAIR3D, S.L.	CIF:	B01924620
SOLICITADO	D. XAVIER TRILLO		
POR:	C/ Cerdanya, 7 - 08140 - Caldes de Montbui		
Correo electrónico:	Zonalr3d@zonalr3d.com	Tlfno:	93 55103
			Fax:



6. ANEXO RESULTADOS ENSAYO DE EFICACIA DEL EQUIPO PAB 500 HOME S REALIZADO POR EL LABORATORIO INDEPENDIENTE EUROFINS/IPROMA

DESCRIPCIÓN DEL ENSAYO:

Se han realizado los muestreos de aire de inmisión (RESPIRABLE) analizando parámetros físico-químicos y microbiológicos, de forma previa (contaminación de fondo en situación normal de aire interior respirable de atmósfera laboral) y posterior a la puesta en funcionamiento del equipo, para cuantificar la eficacia de la reducción de dichos contaminantes, en unas salas. Las salas no dispusieron de ventilación forzada para evitar diluir los contaminantes presentes en el aire. El equipo dispone de 3 ETAPAS de FILTRACIÓN; Pre filtro G4, filtración de gases GRSys™ GRS2 HEALTHCARE y filtración absoluta ULPA 15.

RESUMEN resultados de la eficacia del equipo PAB 500 HOME S obtenidos:

Condiciones ambientales del entorno:

CONDICIONES AMBIENTALES	MÍNIMA	MEDIA	MÁXIMA
TEMPERATURA	20,7°C	21,2°C	22,2°C
HUMEDAD RELATIVA	43,90%	44,80%	47,20%
CO ₂	400ppm	492ppm	635ppm

Eficacia en tanto % reducción de MATERIAL PARTICULADO y GASES CONTAMINANTES en el ambiente:

TIPO DE CONTAMINANTE	PARÁMETRO	% REDUCCIÓN	TIEMPO
MATERIAL PARTICULADO	PM2.5	100%	1 hora
	PM1	100%	1 hora
	PM0.5	99,40%	1 hora
	PM0.3	100%	1 hora
GASES CONTAMINANTES	HCHO	67,40%	1 hora
	O ₃	100,00%	2 horas
	SO ₂	92,95%	1 hora
	NO ₂	60,83%	1 hora

LEADERS IN PRODUCT RANGE

The spectrum of ZONAIR3D's™ family of products is the most extensive and varied on the market.

We have technical equipment such as the Bubble Pure Air, portable equipment with different flow rates and a wide range of fixed installation equipment for architectural integration into the wall or false ceiling and automotive.

SCALABLE TECHNOLOGY IN ALL ZONAIR3D™ PRODUCT RANGE:



BUBBLE PURE AIR
High performance and operating room



AIR+ RANGE
AIR PURIFIERS PLUG & PLAY



AIR PRO RANGE
AIR PURIFIERS
INTEGRATIVE CONSTRUCTION



AIR MOVE RANGE
AIR PURIFIERS FOR MOBILITY

ZONAIR3D™ provides different platforms for connectivity and monitoring of indoor air quality at SMART CITY level, through its ModBus probes, which allow to have either a local platform or API's that interrelate the technologies BIG DATA, IA, MACHINE LEARNING, BLOCKCHAIN and CYBERSECURITY, those adapted to the customer's needs, with connectivity to any Business Management System (BMS) platform.

Real time monitoring
We make it visible



PM 2.5 [µg/m³] EVALUATION

VERY GOOD	0 to 15
GOOD	16 to 25
LIGHT POLLUTION	26 to 40
MEDIUM POLLUTION	41 to 60
HEAVY POLLUTION	61 to 100
SERIOUS POLLUTION	101 to 500



- PM₁₀ + PM_{2.5}
- CO₂
- COV's → (H₂S) Ácido Sulfídrico + (C₇H₈) Tolueno
- Humedad relativa y Temperatura



REFERENCES

OFFICES



Carrier (New Bund World Trade Center) Shanghai, China



HW Spaces, Shanghai, China
HW Spaces, Beijing, China



Haworth Showroom, Shanghai, China



Patio Foster Office Building, Las Condes, Santiago, Chile
Grupo Patio Headquarters, Las Condes, Santiago, Chile



Ingeclean Headquarters, Dorsal, Santiago, Chile



Zonair3d Headquarters Offices, Barcelona, Spain



Puig Headquarters - Olfactory System for perfumes, Barcelona, Spain
Puig Paris - Olfactory System for perfumes, Paris, France



Vertigo Architects Offices, Dubai, United Arab Emirates



Verse Design, Shanghai, China



Cartier Office, Hong Kong
Cartier Office, Beijing
Cartier Office, Shanghai



Eurofred Headquarters, Barcelona, Spain



REFERENCES

SCHOOLS



New York University, Shanghai Campus. NYU building, 1555 Century Ave, Pudong, Shanghai, China



Montessori School of Shanghai. Donghu Rd, Xuhui, Shanghai, China



Colegio Alemán, Valencia, SPAIN



Universidad de Córdoba, SPAIN
Colegios públicos, Castril, Granada, SPAIN



Universidad de Sevilla, Sevilla, Spain



Conselleria d'Educació, Investigació, Cultura i Esport, Valencia, Spain



American School of Milan, Milan, Italy



Vila Olímpica School, Barcelona, Spain



Pau Villa de Montjuic School, Barcelona, Spain

REFERENCES

BEAUTY & WELLNESS



Clinica Planas – Centre devoted to plastic and reconstructive surgery.
Barcelona, Spain



Son De Mar – Hair Saloon & Beauty Treatments. Barcelona, Spain



IMPALA VITAL - Castellón, Spain



Lostao. Zaragoza, Spain.



Natura Bissé. Treatment and sale points, Worldwide.



PARIS BEAUTE París, France



BLAUCELDONA - Barcelona, Spain



ALURA BEAUTY - Barcelona, Spain

REFERENCES

MALLS



CapitaLand, Tampines Mall



NEIMAN MARCUS, New York, USA



Bergdorf Goodman, Newy York, USA



67 supermarkets, Barcelona, Spain



LVMH LIFE Paris, France

SANITARIAN



Sant Joan de Déu
Barcelona · Hospital

Hospital Sant Joan de Déu, Barcelona, SPAIN



Oscar Surós, Barcelona, SPAIN



Sanitas Iradier, Barcelona, SPAIN



Hospital Quirón, Barcelona, SPAIN



Centro Médico Sitges, Barcelona, SPAIN



Hospitales IMED, Valencia, SPAIN

REFERENCES

RESTAURANTS



[Carlota Akaneyea Restaurant](#), Barcelona-Madrid, Spain



[Moncho's Group Restaurants](#), Barcelona, Spain



[Chichu's Tapas Bar](#), Barcelona, Spain



[Ipar-Txoco](#), Barcelona, Spain



[El Celler de Can Roca](#), Girona, Spain. "Best of the best" and "The World's Best Restaurant in the World" 2013 - 2015



[Botafumeiro](#), Barcelona, Spain



[Tinars](#), Girona, Spain



[Bell-Lloc](#), Girona, Spain



[Mestís Restaurante](#), Palma de Mallorca, Spain



[Aspic Restaurante](#), Barcelona, Spain

REFERENCES

HOTELS



Spa Guerlain LVMH Cheval Blanc Hotels, St tropez, St. Barth. Maldives



Sheraton Salobre, Gran Canaria, Spain



Hotel La Florida – Spa Barcelonan, Spain.



Hotel Alma, Barcelona, Spain.

MUSEUMS



National Museum of Natural History and Science Lisboa, Portugal

REFERENCES

TRANSPORTS



BERGADANA ADVANCED CAR SOLUTIONS [Barcelona, Spain](#)



RENFE, [Barcelona, Spain](#)



Railgroup, [Barcelona, Spain](#)



TMB Headquarters, Centros control y Centros de operaciones, [Barcelona, Spain](#)



TRAM, [Barcelona, Spain](#)



FERROCARRILS DE LA GENERALITAT, [Barcelona, Spain](#)



METRO MADRID [Madrid, Spain](#)



EMPRESA MUNICIPAL TRANSPORTES MADRID [Madrid, Spain](#)



Área Metropolitana de Barcelona, [Barcelona, Spain](#)

RESIDENTIAL

Ezdam Twin Villa - Four floors Luxury Villa, [Doha, Qatar](#)

Qatar Palace - Sports area (Gym), [Doha, Qatar](#)

Al Jilaya Complex 1 - Two floors Luxury Villa, [Doha, Qatar](#)

Luxury Sport Woman Villa, [Barcelona, Spain](#)

One Oasis Luxury Residences, [Macau, China](#)

22@, [Barcelona, Spain](#)

Barcelonesa de Inmuebles, [Barcelona, Spain](#)

REFERENCES

OTHERS



CSIC, Barcelona, Spain
Museo Casa de la Ciencia - Delegación CSIC Andalucía-Sevilla, Spain



GRUPO ETRA Madrid, Spain



CIRCUIT DE BARCELONA, Barcelona, Spain



ISP GRUP Barcelona, Spain



CANAL DE ISABEL II Madrid, Spain



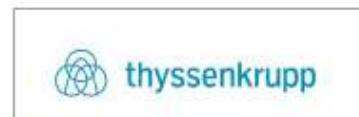
LA CAIXA Barcelona, Spain



Bankia. Spain



Grupo Antolin. Spain



Thyssenkrupp Germany