



EVENT REPORT 2024

Building
sustainability

“ Construmat is the fair that revitalises the industry and unveils the most innovative and sustainable solutions existing in the market so as to overcome the main present-day and future challenges facing the sector”.

Xavier Vilajoana
President of Construmat
Vice-president of APCE España

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“2024 has witnessed growth in terms of the number of companies, the cross-disciplinary nature, the quality and the business opportunities”

Construmat is back.

After the success of the previous fair, in 2024 we moved forward and put Construmat in its rightful place as a flagship domestic and southern European fair. **An unmissable event** with an **open and international vocation** and a sales and networking platform for the construction ecosystem.

We received 40% more visitors than in 2023, with the participation of a total of 314 exhibitors and more than 600 represented brands (50% more than in 2023), thus contributing to the revitalisation and transformation of the industry. But the most important thing is that over 21,000 people were able to connect with **the very best innovation for the development of their businesses** in a sector that needs to advance by leaps and bounds with regard to sustainability. This was the central axis upon which Construmat was based and I sincerely believe that it was a complete success.

Innovation forms part of our DNA and this is how we conceived all the areas of the fair.

The construction industry has a very long value chain and numerous sub-sectors that facilitate a decisive commitment to industrialisation and digitisation under sustainability criteria. Construmat nurtures the industry in a cross-cutting and collaborative manner by promoting professional relations and the participation of sectors, institutions and companies, fostering knowledge and bringing together supply and demand.

This led us to design a useful and attractive activity schedule for all the professionals in the sector, including the Sustainable Building Congress and the PropCon-Hub, generating an environment conducive to undertaking major changes. We also welcomed **Morocco**, a country close to us, **as a guest** and we acted as **partners of the United Nations**. Initiatives like the above, together with others such as the Construmat Awards, workshops, demonstrations of real cases and the Mediterranean Habitat Module House, contributed to making this year's event a dynamic one.

It's time to take stock, but also to send our thanks to all the exhibitors and visitors who made the success of the 2024 fair possible, particularly our partners. Your collaboration always encourages and pushes us to continue working and to firmly move into the future.

This will continue to be our undertaking and our approach: to make this event a point of reference based on innovation and industrialisation, helping people, companies and professionals and contributing to the revitalisation of this strategic sector in a sustainable manner. **meet again from 20 to 22 May 2025** at Fira de Barcelona's Gran Via venue.

Roger Bou
Director of Construmat



0.1

Visitors

Construmat, the prescriber's
flagship fair in Spain and
southern Europe



Who are the visitors to Construmat?

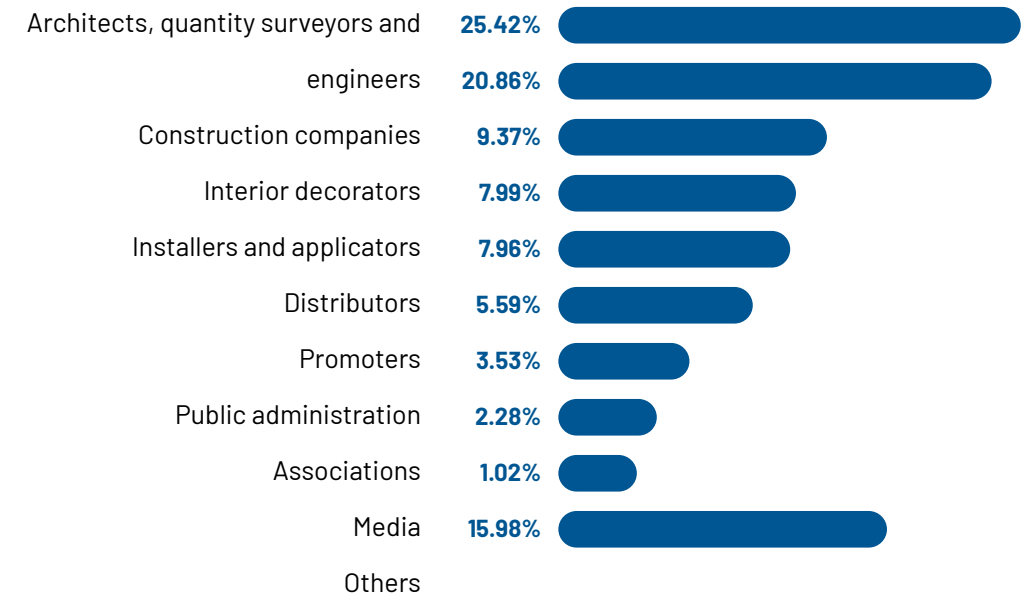
The prescribers' fair

In 2024, as a cross-sectoral fair, Construmat brought together over **21,000 professionals** representing all the segments that make up the construction value chain. The **number** and, above all, the quality of the visitors, with **great decision-making and purchasing power**, was one of its main distinguishing features.

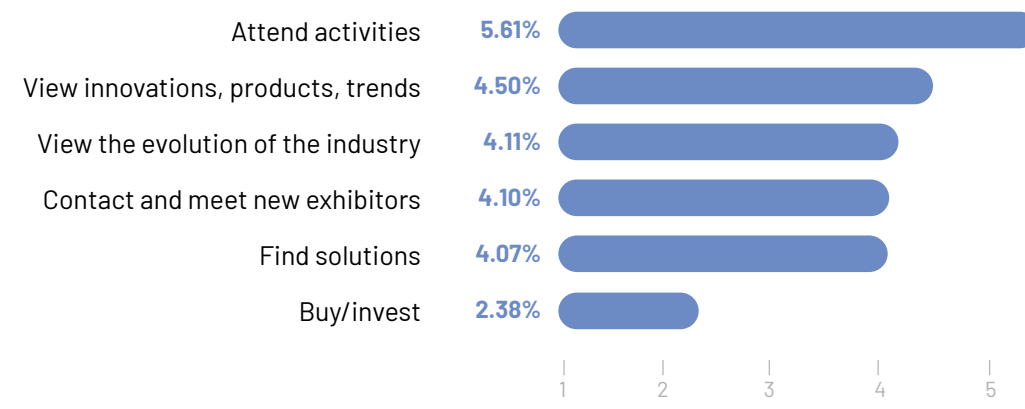
They included architects, installers, engineers and builders, with thousands of professionals from all over **Spain**, especially the Community of Madrid, Valencia, the Basque Country, Andalusia and Aragón, filling the aisles of Hall 2, the fair's venue. In addition to the domestic demand, there was a considerable presence of international professionals, chiefly from **France, Italy, Portugal, Turkey and Morocco**, among other countries.

21,027 professionals.
40% more than in 2023
11.82% international visitors

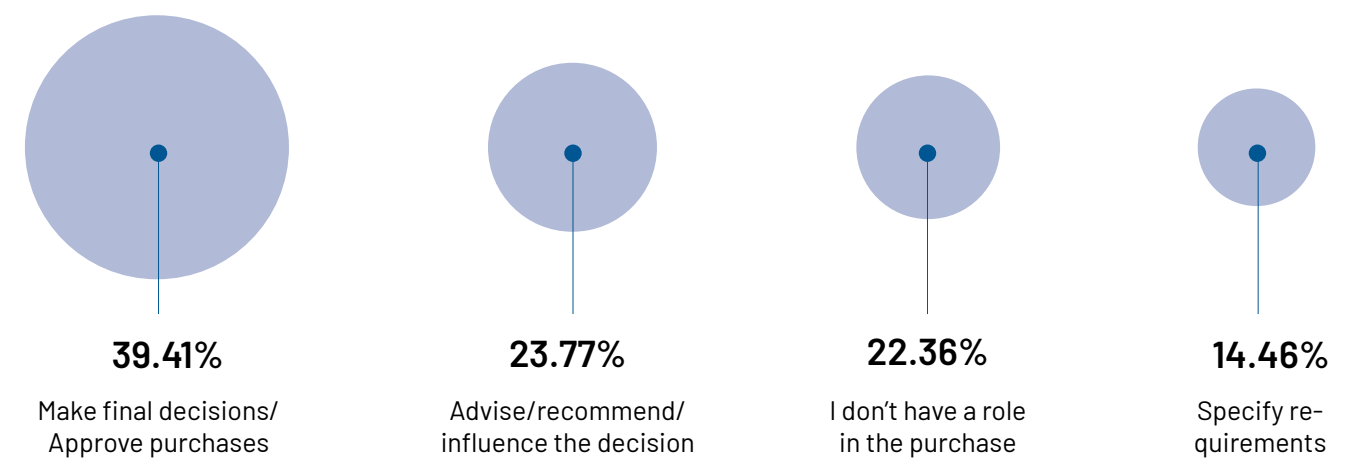
What profile do they have?



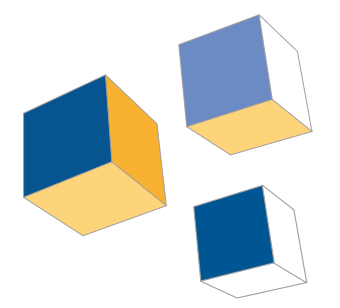
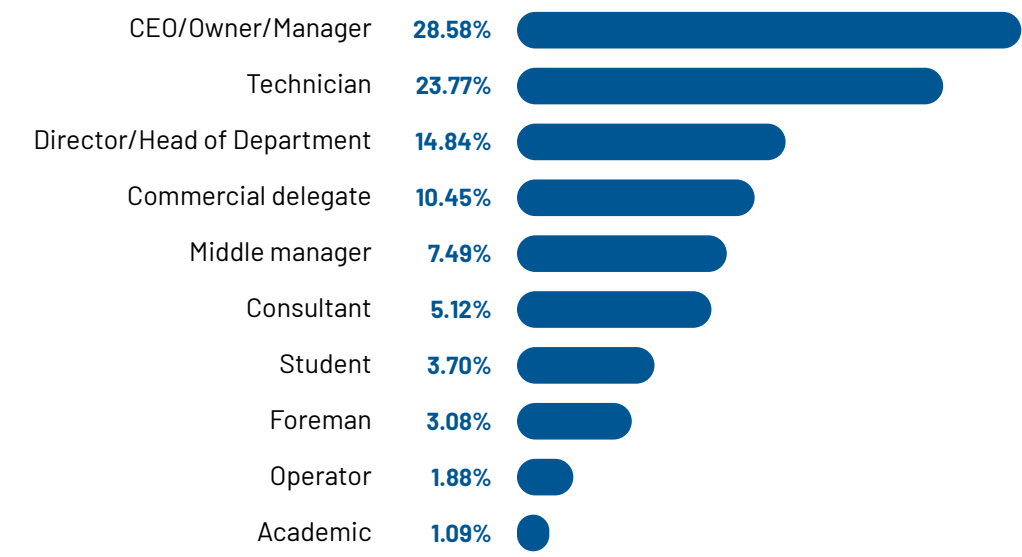
What do they seek to do?



What decision-making power do they have in the purchasing process?



What positions do they hold in the company?



International buyer delegations

The United Arab Emirates, Morocco, Colombia, Turkey, China, Ukraine and Portugal were the official delegations in 2024. The entrepreneurs and representatives of these countries travelled to Barcelona to acquire first-hand knowledge of the exhibiting companies' products and do business with them.



“Construmat’s strength is its ability to bring together architects, developers and manufacturers in Barcelona”.

Matthieu Fillol
Sales director
Hormipresa

Promotion and advertising campaign

General press

Press campaign in the **main national newspapers**, in their paper and digital versions.



- La Vanguardia
- El Periódico
- Levante EMV
- La Opinión de Málaga
- El Periódico de Aragón
- Faro de Vigo
- El País
- ABC
- Las Provincias
- Correo
- El Mundo
- Expansión
- El Confidencial
- Diario.es
- Crónica Global
- Món Econòmic
- Mundo Deportivo
- El Nacional
- Via Empresa
- Ara

Technical press

The cross-disciplinary nature of the fair was reflected in the advertising campaign in 72 sectoral headers.



View all the media on page 64

Radio

With a total of 151 **advertising spots** broadcast, the radio campaign focused mainly on national coverage.



Media coverage

- 828** impacts in the national media
- 8** national press releases
- 2,000** impacts in the international media
- 100** journalist registrations
- 164,024,078** accumulated audience

Digital marketing

We used digital marketing strategies and tools such as ads on social media (Facebook and Instagram), Google and important websites and blogs.

Invita programme

The *invita* programme seeks to **reward the exhibitors who bring the most visitors to the fair.** In 2024, 180 companies answered the call and the winners were:

- 1st prize: **Saltoki**
- 2nd prize: **Cateb**
- 3rd prize: **Molins**

Email marketing

Number of campaigns: **15**
 Database: **+88K**
 OR (opening percentage): **23.65%**
 CTR (percentage of clicks): **3.61%**

Social media

Community on Social Media: **30.2K followers**

- 11,008**
- 13,748**
- 3,447**
- 2,077 (NEW)**

Date of update: 26/07/2024

Influencers

Prominent influencers were invited to visit the fair, experience the event for themselves and broadcast it live to their communities.



Erik Harley
 @preferiria.periferia
 408,000 followers
 Expert in urban studies



Núria Moliner
 @nuria_moliner
 46,100 followers
 Architect



Máximo Caballero
 @abacotucciarquitectura
 69,000 followers
 Architect



Lope de Toledo
 @lopedetoledo
 15,100 followers
 Architect

544,018
 Audience reached

272,365
 Total imprints

10,745
 Interactions



0.2

Exhibition area

The leading trade fair in Spain and southern Europe with the largest range of solutions for sustainable construction



Innovation and solutions to transform a key sector

During the three days of activity at the event, Barcelona became a major showcase for the construction industry.

Major brands and 314 exhibitors displayed their trust in the show and exhibited excellent ranges of materials and solutions on more than **10,000 square metres**. The proposals of the following highly important firms were

on display: Ausa, Molins, Drutex, Durmi, Encofrados Alsina, Evowall Technology, Fischer, Haier Iberia, Holcim España, Hormipresa Nec, Indalsu, Jung, K-Line, KLH Massivholz, Nibe, PMP (Pret-a-porter Casas/ Khanvian), Roca, Saltoki, Schnell, Technal and TQ Tecnol, among many others.

314 exhibitors

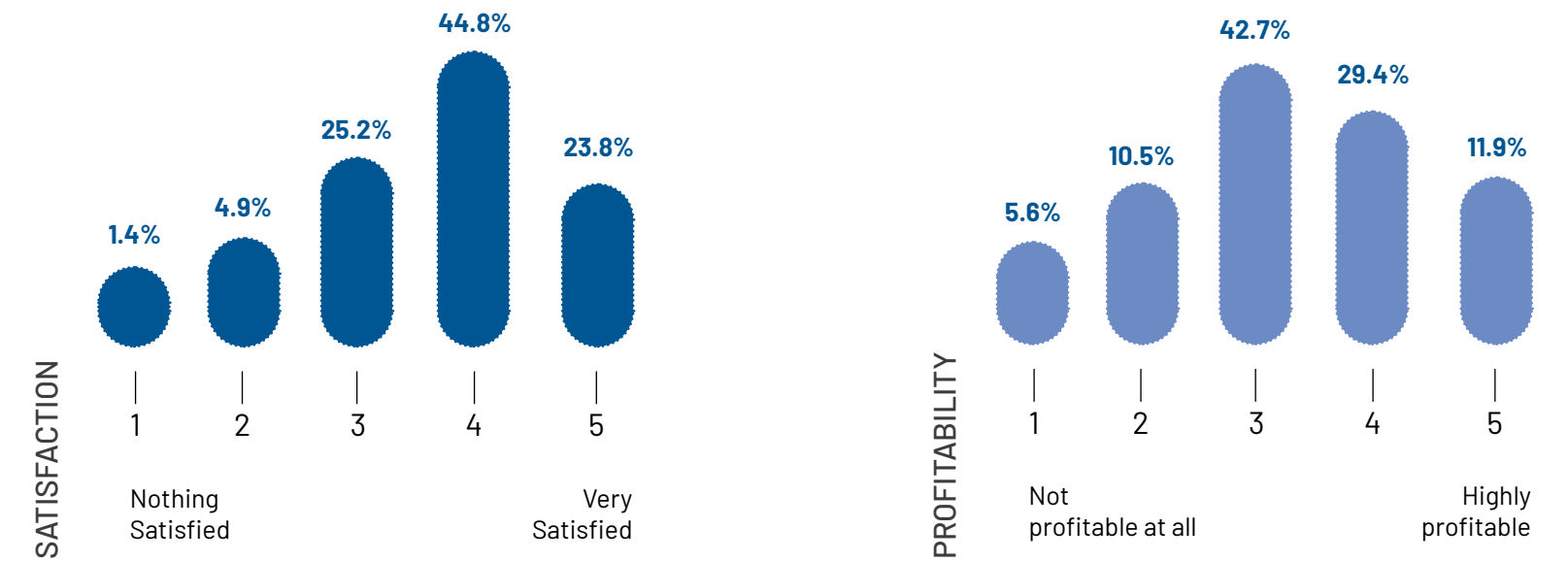
600 brands

10,000 m²

34% international companies, mainly from Morocco, France, Turkey, the Netherlands, Italy, Germany, Portugal and China.

84.6% of the exhibitors achieved their participation goals.*

Satisfaction and profitability are the best indicators that the fair was the best investment for the exhibiting companies in 2024.



Sectors in the exhibition area

- Insulation, waterproofing, coatings and paints: **13.7%**
- Walls, structures, façades and roofs: **13.7%**
- Industrialised construction: **12.1%**
- Associations and organisations: **10.8%**
- Machinery, tools and equipment: **8.3%**
- BIM and ICT for the project and work: **7.6%**
- Wood, metal and PVC carpentry: **6.1%**
- Bathrooms: **4.1%**
- Air conditioning and ventilation: **3.8%**
- Floorings and coatings: **3.5%**
- Professional services: **2.9%**
- Locksmithing and metalwork: **2.5%**
- Solar protection: **2.5%**
- Connected house: ICT, the IoT and home automation: **1.3%**
- Lighting: **1.3%**
- Furnishing and interior design: **1.3%**
- Prevention of occupational hazards: **1.3%**
- Urban planning, landscaping and outdoor space: **1.3%**
- Outside: **1.3%**
- Glass: **1%**
- Lifts, escalators and stair lifts: **1%**
- Stairs: **0.6%**
- Water management: **0.3%**

*Source: 2024 exhibitor satisfaction survey.

Exhibitors Construmat 2024

A

AC21 GEOSPATIAL - CHCNAV
ACE- ASSOCIACIÓ CONSULTORS D'ESTRUCTURES
ACERMA HOMES
ADOM AUTONOMÍA
ADOPEN PLASTIK VE INS. SAN. AS.
AIRCRETE
ALESKDATA
ALL FOR PRINTING S.L.U.
AL OMRANE
ALTINYALDIZ SPACE FRAME
ALUFACTORY
ALUMINIUM DU MAROC S.A.
AMBOHR
AMDIE - AGENCE MAROCAINE DE DÉVELOPPEMENT DES INVESTISSEMENTS ET DES EXPORTATIONS
AMG SPA
ANCLATEC SYSTEM S.L.U.
ANDAMIOS COLGANTES BARCELONA
ANHUI HUAISU BUILDING MATERIALS CO., LTD.
APCE
ARCOL PEINTURES
ARIDDITIVE
ÀRIDS SOLESTANY
ARIMEX
ARSLANLI
ASCENSORS CAMPRUBI
ASOCIACION DIR
SPANISH ASSOCIATION OF MANUFACTURERS OF LIGHT FACADES AND WINDOWS (ASEFAVE)
AUSA
AYMAR S.A.U

B

BANC SABADELL
BAUWATCH SPAIN
BEAL INTERNATIONAL SA
BEIJING APOTHEOSIS INTERNATIONAL TRADE COMPANY LIMITED
BEMORE3D
BETULA BIOHABITAT
BILLDIN
BIMAR GRUP REHABILITACIÓ

BIODESIGN POOLS ESPAÑA
BIOFAN
BIO4EEB
BIRSAC
BOSHUAI
BRAGMAIA S.A.
BREVETTI MONTOLIT SPA
BRICKKEN
BURGER & CIE
BURSCAN LASTIK
BY-STEEL

C

CALECHE
CASA MARTEVIDA
CASALI
CASAS INHAUS
CATMODUL
CEBRA EXPRESS S.L.
CEMENTOS MOLINS S.A.
CENTURY'S BEAMS CATALUNYA ANDORRA, S.L.
CERANOR S.A.
CIN VALENTINE
TECHNICAL ARCHITECTURE ASSOCIATION OF BARCELONA
ARCHITECTS' ASSOCIATION OF CATALONIA
COMAPROM
COMERCIAL COLL VILA
COMERCIAL ESTELLER, S.L.
CONSEIL NATIONAL DE L'ORDRE DES ARCHITECTES
CONSORTIUM FOR CONTINUOUS TRAINING OF CATALONIA
CONSORCIO PASSIVHAUS EDIFICIOS CONSUMO
CONSTRUSOFT
COSMOS ENGINEERING
COVERBOND REVESTIMENTOS
CRONOTECTURA STEEL FRAMING S.L.
CUBIA
CYPE INGENIEROS

D

DAIKIN
DECONTA S.L

DECORAX IBERIA S.L
DIIP AI
DISPIEDRA, S.L.
DRONICA
DRUTEX S.A
DSP CO LTD
DUN AN
DURMI

E

ECOSPAI
ECR Medio Ambiente
EDISA
EFAPEL S.A.
EMAC GRUPO
ENCOFRADOS ALSINA
ENERLIND
EOSZENIT
EQUIPZILLA
ESCOFET 1886
EUROFRED
EUROMAIR / MIXER
EUROTEC GMBH
EVOWALL TECHNOLOGY

F

FARAONE SOLUCIONES PARA TRABAJOS EN ALTURA
FASSA HISPANIA S.L
FEDERATION DES INDUSTRIES DES MATERIAUX DE CONSTRUCTION FMC
FILMTEX S.L.
FIMME
FISCHER
FOLIAREX
FORJA MONTSENY
FORMUL PLASTIK VE METAL SAN A.S
FRONTLINE
FTB - FABRICA DA BARCA, S.A.
FUNDACIÓ CRAM
MIES VAN DER ROHE FOUNDATION
FUNDACION LABORAL DE LA CONSTRUCCION
FUSTES GILABERT SA

G

GEGGUS
GENERALITAT DE CATALUNYA (GOVERNMENT OF CATALONIA)
GERB, S.A.
GESTION MAQUINARIA TECNICA SCP (GimateG)
GESTORA DE RUNES DE LA CONSTRUCCIO, S.A.
GLASS+
GREMI FUSTA I MOBLE
GRIESSER
GROUPE ARCHIMEDIA
GRUP PMP
GRUPO GRECO GRES INTERNACIONAL, S.L.
GRUPO PUMA
GUANGDONG DAYIN ACOUSTICS TECHNOLOGY CO.,LTD

H

HAIER IBERIA S.L.
HERMINIO GONZÁLEZ E HIJOS, S.L.
HIDDEN FACTORY
HIDROTEC
HMP GROUP LTD.
HOLCIM ESPAÑA
HOLEDECK
HORMIPRESA
HUMICONTROL, S.L.
HUMITAT-STOP S.L.
HUNTER SAFETY ESPAÑA
HUUN ALUMINIUM TECHNOLOGY

I

IBERTRAC, EL CONTROL DE PLAGUES
IMG WINDOWS
IMPERTEK SRL
INBUILT
INDALSU S.L.
INDEX A PERFECT FIXING
INDRESMAT SL
INFOEDITA COMUNICACIÓN PROFESIONAL
IN-LUX SRL
INNALTECH

INNOVATION ITALY
INNOVATION TECHNOLOGY PAINT CO, LTD
MUNICIPAL INSTITUTE OF HOUSING AND RENOVATION OF BARCELONA
INTEREMPRESAS
ISOMAT SA
ITEC
IVC

J

JAMYS
JAPAN FACADES EUROPE SLU
JDPUMP
JUEGOS KOMPAN
JUNG ELECTRO IBÉRICA, S.A.

K

KASSET ARMAZONES
KERAKOLL IBERICA
KIT DIGITAL/RED.ES
KITES
KIVANC ENERJI
KLH MASSIVHOLZ, GMBH
K-LINE

L

LABORAL RISK SERVICIO DE PREVENCION SL
LE JARDIN
LE PRIEURÉ IBÉRICA
LEICA GEOSYSTEMS, S. L.
LIGHTPRO
LIGNIA ESTRUCTURES
LINK SRL
LISOICHEM
LOUVELIA FACADE SOLUTIONS

M

MACUSA
MADERGIA
MAFODER PREFE

“ Construmat 2024 has been a great success for There were lots of opportunities for meetings, with a huge increase in visits from both customers and new contacts”.

Jaume Alsina
CEO of ALSINA



MAGHREB STEEL
 MAISON DE L'ARTISAN
 MAPPY ITALIA S.P.A.
 MARCEGAGLIA BUILDTECH
 MARKET RAF
 MARMOLES HNOS MORATONAS
 MAROC AKHCHAB
 MASA GMBH
 MECANOVIKA S.L.
 MERCACUSTIC
 METALIDEA
 MEZEROE
 MICROCRETE - MICROCIMENTO
 MIDLAND IBERIA
 MINISTÈRE DE L'AMÉNAGEMENT DU TERRITOIRE NATIONAL DE L'URBANISME
 MISA KALIP
 MJ - GERUEST GMBH
 MOASURE
 MONTO PINTURAS
 MOROCCAN INVESTMENT AND EXPORT DEVELOPMENT AGENCY
 MURPROTEC ESPAÑA S.L

N

NANOAVANT
 NEBULA
 NIBE
 NINGBO JUBO CARTRIDGE TECHNOLOGY CO., LTD
 NINGBO SAIDI CARTRIDGE TECHNOLOGY CO., LTD.
 NOU BAU-TECNARIA
 NTIB - NOUVELLES TECHNOLOGIES INTERNATIONALES DU BÂTIMENT

O

OKCLINKER
 ONDULINE ESPAÑA
 ORDRE NATIONAL DES INGENIEURS GEOMETRES TOPOGRAPHES
 OSCAM SPA

P

PAFILE
 PERFISA

PERSAX
 PERSYCOM MADRID, S.L.
 PFEIFER TIMBER GMBH
 PLASTICOS FIRST IBERICA, S.L.
 POOLTECH BARCELONA
 POREXGAL
 POUDROX INDUSTRIES

Q

QUANGONG MACHINERY CO.,LTD.

R

RAWABET CO
 RD LUNA MAQUINARIA S.L.
 REGALE ALUMINIUM
 REGEN
 RENOLIT IBÉRICA
 REVI GLASS SA
 RIVA INDUSTRIES
 ROCA
 ROCKWOOL
 ROI
 ROIG

S

SADEV
 SALTOKI, S.A.
 SANTIMAR 2021 S.L.
 SATE FACHADAS Y PINTURAS
 S.H. NARCISI
 SCHNELL S.P.A.
 SCHOMBURG GMBH & CO. KG
 SCION GROUP
 SCREENING EAGLE TECHNOLOGIES
 SEBASTIA, INDÚSTRIES DE LA FUSTA
 SEEDS - R2M SOLUTION
 SELF
 SERENE PLAST
 SERVEI D'OCCUPACIO DE CATALUNYA
 SEYS
 SFSYSTEM
 SIBER

SIMBIM SOLUTIONS
 SIMONIN S.A.S.
 SOLOPROFESIONAL
 SIS GRUPO
 SISTEMARQ
 SKAMOL
 SMALL LIFT SL
 SOCOTEC
 SODECA
 SOLARCHECK
 SONARGES (SOCIÉTÉ NATIONALE DE RÉALISATION ET DE GESTION DES EQUIPEMENTS SPORTIFS)
 SOOSAN MARTILLOS HIDRAULICOS
 SOPREMA GROUP
 STARMODUL
 SUMMIT

T

TAIZHOU XINYA SANITARY WARE CO.,LTD.
 TALL FUSTA, S.L
 TALLERS J.PORCEL S.L.
 TAMILUZ
 TCR PROTECCIÓN
 TECHNAL
 TECHNO METAL POST / TECHNO PIEUX SPAIN
 TECHPROSET
 TECHTIVA
 TECNO EDIL SISTEM IBERICA S.L.
 TECNO K GIUNTI SRL
 TEJAS BORJA
 TENUJEE GROUP
 TEOTEK
 TERPOLAR AÏLLAMENTS, S.L.U
 TEZNOCUBER
 THERMOCHIP
 TOSCELIK
 TQ TECNOL, S.A.
 TROWELAPP
 TUBE ET PROFIL

U

U.C.I. - UNION DE CREDITOS INMOBILIARIOS
 UNICO BINA ENERJI

UNIFIX
 UNIVERSAL TUBE AND PIPE INDUSTRIES FZE
 URBACOM
 URETEK

V

VIDACAIXA, S.A.U.
 VIVE LA MADERA
 VOESTALPINE SADEF NV
 VOLCALIS - ISOLAMENTOS MINERAIS, S.A.
 VPS GROUP

W

WINDOFORM
 WORLD EXPO ULUSLARARASI FUARCILIK TICARET LIMITED SIRKETI

X

X.B. COMPONENTS, S.A.
 XELLA / YTONG
 XI AN CHANGXIN HARDWARE CO., LTD.
 XI AN COOMOCHI IMPORT & EXPORT CO.,LTD
 XIAMEN DIAKYLIN IMPORT AND EXPORT CO. LTD
 XI'AN AOWEI TECHNOLOGY INDUSTRY AND TRADE DEVELOPMENT CO.,LTD
 XI'AN JIANGHE ARCHITECTURAL DECORATION MATERIALS CO.,LTD

Y

YAGMUR ISKELE

Z

ZEHNDER GROUP IBÉRICA
 ZENITH FONDERIE
 ZIGURAT GLOBAL INSTITUTE OF TECHNOLOGY S.L.

“ It’s an essential fair for the construction industry, enabling us to present our innovations as manufacturers”.

Eduardo Ricón
 Sales director
 EFAPEL



0.3

Sustainable Building Congress

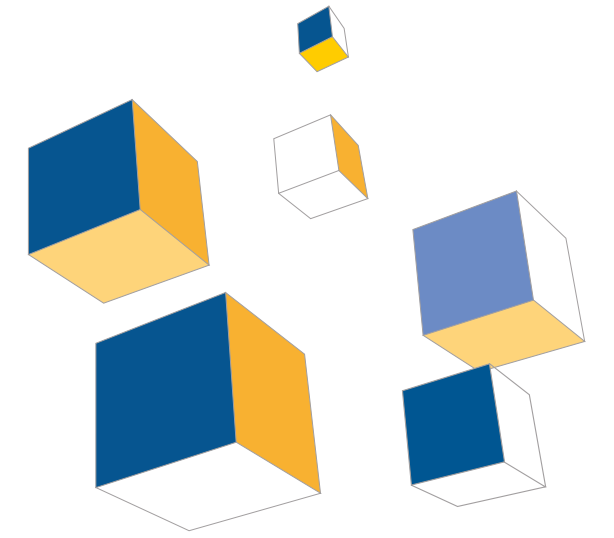
The forum for discovering the future of sustainable construction and forming an active part of this revolution



Sharing innovative knowledge for the construction ecosystem

The congress that makes a difference. This was the leitmotiv of the Sustainable Building Congress, an event in which sustainability, encompassing its social, economic and environmental components, was the central theme for achieving the transformation of construction with one goal: to improve people's quality of life.

A forum of knowledge and trends in the sector which, with two parallel auditoriums, brought together over 50 talks and 15 round tables attended by more than 120 experts from home and abroad, who gave a voice to all the collective efforts and innovations of the construction sector as it attempts to adapt to and overcome the present-day challenges in the area of sustainability.



Addressing current-day cases and issues and exploring three thematic axes:

Decarbonisation and the circular economy

Digital solutions and technologies

Industrialised building systems



+1,600 attendees
Auditorium

+1,100 attendees
Talks room

“ The main purpose of the Sustainable Building Congress is to represent and give a voice to all the collective efforts of the construction sector and the innovations it's making to adapt and overcome the current challenges in the field of sustainability, the sustainable development of the needs of our society and the compatibility of our existence with increasingly evident environmental restrictions.”

Adrià Llacuna.
Coordinator of the Sustainable Building Congress

Talk programme

21 May

AUDITORIUM

🕒 10:00 AM - 10:30 AM

Decarbonisation

[Opening Sustainable Building Congress: architecture, construction and sustainable development](#)

Albert Fakhoury - CIAAD
Dafir Mann M.A. - CIAAD
Jorge Arditti - ARDITTI + RDT Arquitectos
Marta Vall-Ilossera - CSCAE
Xavier Vilajoana - APCE

🕒 10:30 AM - 11:00 AM

Decarbonisation

[New European Bauhaus: sustainability, inclusion and beauty. Dissemination and awareness-raising](#)

Juan Antonio Ortiz Orueta - CSCAE

🕒 11:00 AM - 12:00 PM

Decarbonisation

[Urban Regeneration](#)

Sergio García-Gasco - CSCAE
Carles Donat - Barcelona Metropolitan Housing Observatory
Mar Santamaria - 300.000kms
Eduardo Brunet - Green Finance Institute
Miguel Hernández - Crea Madrid Nuevo Norte
David Martínez - Barcelona City Council

🕒 12:00 PM - 12:30 PM

Industrialisation

[Industrialised construction for the development of large-scale affordable housing: The VIVE Plan](#)

Antonio Sánchez - SOCOTEC
Juan Manuel Borrás - Culmia
José Ignacio Esteban - Avintia Group

🕒 12:30 PM - 1:00 PM

Decarbonisation

[Lamercedes. City sustainability](#)

Luke Treasure Conren - Tramway

🕒 1:00 PM - 1:30 PM

Decarbonisation

[Revamping of the urban space between the Palacio Real and the Plaza de España in Madrid.](#)

Fernando Porras - Porras Guadiana Architects

🕒 1:30 PM - 2:00 PM

Decarbonisation

[Concordia Bridge, a new gateway to Madrid](#)

Francisco Domouso de Alba - European University of Madrid

🕒 2:00 PM - 2:20 PM

Decarbonisation

[Threats to the Mediterranean Sea and marine ecosystem conservation](#)

Irene Antúnez - CRAM Foundation

🕒 3:15 PM - 3:35 PM

Decarbonisation

[Renovation beyond the Next Generation funds](#)

Juan López-Asiain - CGATE

🕒 3:35 PM - 4:30 PM

Decarbonisation

[Digitisation and modernisation of the building sector](#)

Rafael Luna - Huelva Association

José Carlos Claro - Seville Associationa
Mario Sanz - Official Association of Quantity Surveyors and Technical Architects of Madrid
Jerónimo Alonso - Valladolid Association,
Dario López - Orense Association

🕒 4:30 PM - 5:10 PM

Decarbonisation

[Building methods. Criteria in building renovation](#)

Inés De Rivera - COAC
Maite Sainz - Fetdeterra
Roger Such - Ariadna Perich & Roger Such arquitectes
Ferran Vizoso

🕒 5:10 PM - 5:40 PM

Official opening Construmat

Pau Relat - Fira de Barcelona
Xavier Vilajoana - Construmat
José A. Alcaide - L'Hospitalet City Council
Laia Bonet - Barcelona City Council
Ester Capella - Government of Catalonia
Youssef Hosni - Government of Morocco
Isabel Rodríguez - Government of Spain

TALKS

🕒 10:00 AM - 10:30 AM

Decarbonisation

[Comprehensive refurbishment of the Diagonal 233 building: from a sick to a sustainable and healthy building](#)

Eloi Juvillà - Barcelona Provincial Council
Oriol Cusidó - T9sa Arquitectes

🕒 10:30 AM - 12:00 PM

Decarbonisation

[Process for the energy rehabilitation of a building by means of a real case](#)

Jordi Marrot - Cateb
Esteve Riera - Tolrà Arquitectònics Associats
Sergi Vilalta - Arquitectònics Associats
Nathan Ballesta - REHATEC
Maria Ruiz - Resident and user of the Marta Martínez building - Catalan Housing Agency

🕒 12:00 PM - 12:30 PM

Decarbonisation

[Empathic innovation as a transformational force. Aribau 195 and Casa Pich i Pon. Large-scale refurbishment work](#)

Sergi Carulla - scob
Oscar Blasco - scob

🕒 12:30 PM - 1:00 PM

Decarbonisation

[Radical refurbishment work: intervention of a public building for a Net Positive Impact with NZEB and circular criteria](#)

Roger Orriols - ROA Arquitectura

🕒 1:00 PM - 1:20 PM

Decarbonisation

[Guide for managing waste in home energy rehabilitation](#)

José Fernández - CGATE

🕒 1:20 PM - 1:40 PM

Decarbonisation

[REVERTER: taking advantage of the Europace Foundation's DOMUS model for energy renovation of vulnerable homes](#)

Maria Font - Europace Foundation, Jordi Ayats Reixach - Europace Foundation

🕒 1:40 PM - 2:00 PM

Industrialisation

[InnoFAB. An Industrialised Housing Refurbishment Model](#)

Letiane Benincá - Pich Architects

🕒 2:00 PM - 2:20 PM

Decarbonisation

[Total Thermal Shield, Japanese aerospace nanotechnology reaches construction](#)

Jesus Boadas - Fischer Ibérica

🕒 3:15 PM - 3:35 PM

Decarbonisation

[Alsina Geotrench systems for shoring work, safety and economy in digging work](#)

Javier del Campo - Alsina

🕒 3:35 PM - 3:55 PM

Decarbonisation

[Healthy Renovation Guide](#)

Alejandro Payan de Tejada - CGATE

🕒 3:55 PM - 4:15 PM

Digitisation

[Digitisation applied to concrete: innovation and technology for the construction industry](#)

Óscar Oliveras - Promsa
Antònia Navarro - Valls Promsa

🕒 4:15 PM - 4:55 PM

Industrialisation

[Challenges and Opportunities for Building with Industrialised Solid Wood](#)

Vicente Guallart - IAAC
Elena Orte - SUMA Arquitectura
Ferran Urgellés - Camprubí Woodea
Carles Martí - Boix Group
Juan Velayos - JV Forest

🕒 4:55 PM - 5:15 PM

Decarbonisation

[BIG4LIFE Project. Collaborative maintenance and monitoring for green roofs and vertical gardens](#)

Gabriel Pérez - University of Lleida
Daniel Guzman - Verdtical
Toni Amich - Sempergreen
Lidia Calvo - Eixverd
Joan Berruezo - TEB

🕒 5:15 PM - 5:45 PM

Decarbonisation

[Cements and concretes with low environmental impact. Design and applications](#)

César Bartolomé - IECA/PETH
Carlos Martínez - Molins
David Gómez - Holcim

22 May

AUDITORIUM

🕒 10:00 AM - 11:15 AM

Sectoral

[The 2030 Football World Cup: main developments in Morocco and Spain](#)

Ikram Sehhar - SONARGES
Domingo Merino - Fenwick Iribarren

🕒 11:15 AM - 11:30 AM

Sectoral

[Morocco Now, investment opportunities in Morocco](#)

EL AHYANI Yassine - Moroccan Investment and Export Development Agency

🕒 11:30 AM - 11:50 AM

Decarbonisation

[Infrastructure construction and climate change](#)

Antonio Burqueño - FCC Construcción

🕒 11:50 AM - 12:10 PM

Decarbonisation

[Lycée Charles Lepierre in Lisbon: between historic architecture and low-tech renovation](#)

Emmanuelle Patte - ETC

🕒 12:10 PM - 1:00 PM

Sectoral

[Some initiatives to attract young talent to the building sector](#)

Mariano Sanz - CNC
Pablo Sabín - CITANIAS
Gema García - ACCIONA
Laura Martín - Grupo Arpada
Esther Pagano - COELL

Pol Toledano - 011H
🕒 1:00 PM - 1:20 PM
Sectoral

[Women in the construction sector: data and initiatives of the Fundación Laboral de la Construcción](#)

Patricia Ayuso - Fundación Laboral de la Construcción

🕒 1:20 PM - 2:20 PM
Sectoral

[Presence of women in directors' positions in the construction industry](#)

Patricia Martínez - TARRACO
Elena Massot - APCE Catalunya
Maite Ramos - BIS
Verónica Giró - Construcció i Rehabilitació 4ARK
Ana Puig-Pey - UPC

🕒 3:30 PM - 5:20 PM
Sectoral

[CONSTRUMAT AWARDS 2024 for Sustainability - Curated by the Mies Van der Rohe Foundation](#)

Mies Van der Rohe Foundation

TALKS

🕒 10:00 AM - 10:20 AM
Decarbonisation

[GARNOCEX PROJECT: Experiences in Construction and Demolition Waste Management in Extremadura](#)

Antonio Cruces - University of Extremadura
Jesús Torrecilla - Polytechnic School of the University of Extremadura

🕒 10:20 AM - 10:30 AM
Decarbonisation

[ITeC Talks: Honext, circularity and health, challenges for construction](#)

Eduard Mondéjar - Honext

🕒 10:30 AM - 10:40 AM
Decarbonisation

[ITeC Talks: Natural fibres as thermo-acoustic insulation for the construction industry](#)

Sergi Iglesias - RMT Insulation

🕒 10:40 h - 10:50 h
Decarbonisation

[ITeC Talks: FlexoFibers - Transforming construction through the circular economy with our second-life steel fibres](#)

Ricardo Ayala - FlexoFibers
Valentina Rojas - FlexoFibers

🕒 10:50 AM - 11:10 AM
Decarbonisation

[Decarbonisation strategies: the world's first electric ceramic furnace](#)

Carlos Velázquez - Roca

🕒 11:10 AM - 11:30 AM
Decarbonisation

[The prospects for sustainable construction in the French and Moroccan markets](#)

Rachel Chermain - Alliance HQE - GBC
Cosmin Cotoră - CERTIVEA

🕒 11:30 AM - 11:50 AM
Sectoral

[Music & Dance Academy, Riyadh KSA](#)
Mohammed Adib - Dewan architects

🕒 11:50 AM - 12:20 PM
Sectoral

[International civil work tender - ICEX. Success stories](#)

José Ignacio Pradas - ICEX
Josep Jesús Rivera - IDOM
Pere Adsera - Encofrados Alsina

🕒 12:20 PM - 12:45 PM
Industrialisation

[5 kilometres of pillars in an office building: an industrialisation macro-project in record time](#)

Lisardo González - Precon
Beatriz Barral - Batlleiroig Arquitectura
Mariano Aguado - Batlleiroig Arquitectura

Antonio Reboreda - Reboreda Martínez
Antonio Ingenieros Industriales
Beatriz Pérez - Reboreda Martínez
Antonio, Ingenieros Industriales

🕒 12:45 PM - 1:10 PM

[FC Barcelona supports the circular economy with a new sustainable Spotify Camp Nou](#)

Jordi Portabella - FC Barcelona
Jordi Altet - Molins

🕒 1:10 PM - 1:40 PM
Decarbonisation

[Smart, recycled and biological digital materials. New building materials](#)

Mathilde Marengo - IAAC

🕒 1:40 PM - 2:00 PM
Decarbonisation

[Building with repurposed, decarbonised and local products](#)

Pol Miret - Recursos Urbans

🕒 2:00 PM - 2:20 PM
Decarbonisation

[Analysis and reduction of the carbon footprint in urban works](#)

Jordi Rosich - SOCOTEC

23 May

AUDITORIUM

🕒 10:00 AM - 10:30 AM

Decarbonisation

[Healthy architecture driving decarbonisation](#)

Sonia Hdez-Montaño - Arquitectura Sana

🕒 10:30 AM - 11:20 AM

Decarbonisation

[Building renovation case studies that include health criteria](#)

Sonia Hdez-Montaño - Arquitectura Sana
Marta Bordas - Som Habitat

Ramon Muñoz - ramonmunozarq
Patricia Tamayo - Patricia Tamayo
Arquitectura

🕒 11:20 AM - 11:40 AM

Decarbonisation

[BOSCH Casablanca Building](#)

Jaafar Sijelmassi - Sijelamssi & Partners.
VP GBC Morocco
Omar Mawlawi - Atelier Mawlawi

🕒 11:40 AM - 12:00 PM

Decarbonisation

[The new headquarters of the SEM in L'Hospitalet de Llobregat](#)

Luis Bellera - b720
Fermin Vázquez - b720

🕒 12:00 PM - 12:20 PM

Digitisation

[The use of BIM at Istanbul Grand Airport](#)

Firat Emsen - İGA

🕒 12:20 PM - 1:20 PM

Digitisation

[Let's take off our helmets and deal with](#)



AI...

Rafael Capdevila Becerra - CATEB
Luis Carlos Prieto - Fernández Ferroviario
Martçon Longobucco González - Cs4iot

🕒 1:20 PM - 2:20 PM

Decarbonisation

[Building methods. Timber construction](#)

Inés De Rivera Marinello - COAC
Anna Bastús Guinovart - AB Arquitectes
David Tapias Monné - GATPA
Xavier Rusalleda - RGA arquitectes

🕒 3:15 PM - 3:35 PM

Digitisation

[Cognitive accessibility on public bus transport for users with ASD \(Autism Spectrum Disorder\) and other cognitive difficulties. The BUSSLE proposal](#)

Francesc Xavier Mañé - MITBarcelona,



Maria Ángeles Mairena - Area of Mental Health. Sant Joan de Déu Hospital in Barcelona

🕒 3:35 PM - 3:55 PM

Decarbonisation

[Decarbonisation of Barcelona Provincial Council buildings. The Pabellón Norte at Mundet](#)

Sergi Lois Alcázar - Barcelona Provincial Council
Josep Maria Rieradevall - Barcelona Provincial Council

🕒 3:55 PM - 4:15 PM

Decarbonisation

[Madrid New North. Sustainability as a vector in the planning and design of a large-scale urban operation](#)

Julia Landaburu - Arup



🕒 4:15 PM - 5:00 PM

Industrialisation

10 years of industrialisation in the construction industry

Toni Postius Terrado - PMP

Miguel Angel Angulo - Metropolitan House

Javier Burón Cuadrado - Navarra de Suelo y Vivienda - NASUVINSA

Montse Pujol Torrent - PMP

Susana Moya Segura - Gloval

🕒 5:00 PM - 5:45 PM

Industrialisation

Building methods. Bulk construction systems

Inés De Rivera Marinello - COAC

Sara Ferran Ballús - Taller 11

Adrià Guardiet - Estudi 08014

Sandra Torres Molina - 08014 arquitectura

TALKS

🕒 10:00 AM - 10:30 AM

Industrialisation

Industrialised housing and procurement of the project and work. How to rapidly promote and construct public housing

Joan Carles Melero - IMHAB

🕒 10:30 AM - 10:50 AM

Sectoral

Universal accessibility within the framework of urban renewal

Eva Ginesta - Association of Architects of Catalonia (COAC)

🕒 10:50 AM - 11:10 AM

Industrialisation

The Khanvian System applied to a multi-family high-rise building

Míriam Sánchez López PMP, Antoni Sáez Antón PMP

🕒 11:10 AM - 11:30 AM

Industrialisation

MMC at Centro Logístico Mayoral

Noelia Barriguete de Oro - SANDO

🕒 11:30 AM - 11:50 AM

Industrialisation

Prefabricated solution for long-span bridges / La Sagrera prefabricated roofing

Fernando Osán - ALVIPRE (MARCO Group)

🕒 11:50 AM - 12:10 PM

Digitisation

Sustainable construction robotics

Yara Tayoun - IAAC

🕒 12:10 PM - 12:30 PM

Digitisation

Baubot, Construction 4.0, automation in on-site anchor placement

Gonzalo Castells - Fischer Ibérica

🕒 12:30 PM - 1:00 PM

Industrialisation

ITeC Talks: JFGCONSULTORS/PLANICER

Joan Francesc García - JFG CONSULTORS

🕒 1:00 PM - 1:20 PM

Industrialisation

ITeC Talks: The industrialisation of brick coverings by means of ceramic fabrics (Flexbrick)

Lluís Pinardel - Flexbrick

🕒 1:20 PM - 1:40 PM

Industrialisation

ITeC Talks: Denvelops industrialised solutions

Jaume Colom - Denvelops Hibrid

🕒 1:40 PM - 2:00 PM

Industrialisation

ITeC Talks: AISLUX

Javier Sánchez - AISLUX Catalunya

🕒 2:00 PM - 2:20 PM

Industrialisation

Navarre's commitment to affordable, sustainable and industrialised housing

Javier Burón - NASUVINSA

Maitane Zazu - NASUVINSA

🕒 3:15 PM - 3:35 PM

Sectoral

Employment pension plans in the construction industry

Joan Bonvehi - VidaCaixa

🕒 3:35 PM - 3:55 PM

Digitisation

IOT and Sensorics in the construction sector: Monsec and Corrochip. ITeC - Witeklab

Josep Cairó - Witeklab

🕒 3:55 PM - 4:25 PM

Sectoral

Sustainable construction in terms of VET

Angel Tarrío - Fundació BCN FP

Antonio Espinar - Fundació BCN FP

Lorena Ventura - Barcelona Activa

🕒 4:25 PM - 4:55 PM

Sectoral

The 3 challenges facing project managers: BIM, Lean and Circularity

Carmen Sánchez - ZIGURAT Institute of Technology

Mauro Manca - Energreen Design

Pep Coll - EiPM

Juan Felipe Pons - ZIGURAT Institute of Technology

🕒 4:55 PM - 5:25 PM

Decarbonisation

Reuse and recovery of grey and rain water in buildings

Albert Soriano - Escola Gremial

d'Instal·ladors de Barcelona

Consortium for continuous training of Catalonia

🕒 5:25 PM - 5:45 PM

Decarbonisation

LRK - Lean Rehabilitation Kit, or how to bring Lean to small-format refurbishment work

Ferran Bermejo - ITeC





0.4

Themed areas

The key to our activities:
innovation, inspiration and professional development



Workshop Area

The space for demonstrations and practical training

In 2024, the Workshop Area continued to receive support with the aim of giving visitors the opportunity to **improve their professional competences** through technical demonstrations and specialised training.

A space specially designed for construction personnel, from installers and bricklayers to carpenters, waterproofing specialists and refurbishing experts.

Programme

21 May

10:00 AM - 6:00 PM
Solar-fix certified professional skill
Manuel Burgos - Fischer

22 May

10:00 AM - 11:00 AM
Lime stucco and sgraffito courses
Xavier Pérez Alcazar - Gremi d'Empreses de Pintura de Barcelona

11:10 AM - 12:10 PM
Disruptive solutions to eliminate water losses
Javier Yagüe Garreta - Hidrotec Sanejament

12:20 PM - 1:20 PM
Decorative flats: Demonstrations and tips
Kyriakos Samaridis - ISOMAT
George Pyrros - ISOMAT

2:50 PM - 3:50 PM
K-Line PrefBIM Configurator
Óscar Sanjuan Ezquerro - VENTANAS K-LINE

4:00 PM - 5:00 PM
Construction solutions for ventilated façades: Frontek and Argos
Marina Juárez - Grupo Greco Gres Internacional

23 May

10:00 AM - 11:00 AM
Decorative finishes with ecological paint with wood imitations and glazes
Benjamín Prieto Mendoza - Fundación Laboral de la Construcción de Catalunya

11:10 AM - 12:10 PM
Avoid ballast and loose elements in photovoltaic installations on light roofs, providing solutions for new technical requirements
Marta Hernamperez - Anudal Industrial, Manuel Rodriguez - Sungrip
Manel Romero Molina - SUD Renovables

12:20 PM - 1:20 PM
Liquid membrane, triple function: Weatherproofing, radon barrier and plaster substitute
Jose Antonio Jiménez - Oliver Soudal

2:50 PM - 3:50 PM
Industrialised masonry. Replacing traditional bonding material in the installation of Ceranor's SATEbrick and TermoRec Systems.
Mariano Olivares - CERANOR

4:00 PM - 5:00 PM
Increase the perceived quality of projects with OLIVARI lever handles
Josep Martínez - OLIVARI



Timber construction area

Technological wood, a trend in global and sustainable construction

Once again, Construmat 2024 featured wood in its **"eco-sustainable neighbourhood"**, demonstrating that it's an ideal solution for new forms of construction aligned with emerging values and social demands. The **"Mediterranean Habitat Module House"**,

a two-storey home made of wood and other natural elements, was exhibited at the fair. Designed by **Spanish-Mexican architect Alba Lucila Gutiérrez**, this house not only offered cutting-edge technical solutions, but also a sense of well-being and comfort by means of a harmonious and natural design. Wood, recognised by the New European Bauhaus, is establishing itself as the construction material of the 21st century and a key factor in the sustainability of European cities.

“ The assets of wood make it a unique and extraordinary structural material”.

Salvador Ordoñez
Director de World Wood Future

This area was partnered by:



PropCon-Hub Area

Companies that define the future of construction

PropCon-Hub was the area in which investors, large corporations, researchers and anyone interested in innovation could obtain first-hand knowledge of the startups with the greatest potential and connect and collaborate with them.

The space also featured expert talks, pitching events and live demonstrations.

“The best recipe for establishing systematic and profitable innovation is through Corporate Entrepreneurship”.

Joan Riera
President of Active Development



Digital Concrete

Digitisation of concrete by monitoring its resistance in real time to optimise times, costs and emissions, thus increasing quality and structural safety.



INBUILT management software for companies in the construction industry

Comprehensive management of building projects with its mobile app and personalised ERP based on ODOO, all via a single platform.



The most sustainable concrete structure possible

Thanks to geometric optimisation and the integration of H-ONE facilities, it reduces costs and CO2 emissions by 50%.



Cost control tool for construction

Simplified work management: From estimates to labour, it unifies control in a single tool.



Machinery and tool rental

Rental marketplace and SaaS software for fleet management, streamlining operations.



Liquidity using tokenisation for real estate projects.



Innovative 3D printing in concrete

Revolutionary 3D printing: Flexible and customised solutions for prefabs and urban furniture.



On-site control, digitisation and transparency

Digital platform for the purchase and sale of tools and construction materials.



Management software for construction.

Software to control results, lower risks, monitor quality and timings, all within reach on a single platform.



Solar blinds

Renewable solutions without a burden on space or maintenance.



Automated documentation

Online platform for automatically generating and updating dynamic documents.



Construction and resource planning

A platform to optimise planning, offering sequences and resources to achieve success.



Innovative 3D scanning and photogrammetry

Precision 3D scanning: Exact measurements and quality inspection for efficient decision in construction and beyond.



Acoustic products, project coordination and international supply

Exclusive sound insulation and absorption materials sourced from recycled materials.



AI tools for the construction industry

Business efficiency with AI: Smart tools streamline processes and increase efficiency in a wide range of industries.



Optimise Productivity & Workflow Control

An SaaS platform to digitise data, automate tasks and control operating risks in real time.



Modular construction

Its approach is based on advanced technologies and smart modular construction design to create high-quality personalised spaces at an affordable cost.



3D printing

We develop and sell machines to print out building and concrete structures in 3D. Technology endorsed by the construction of the first fully 3D printed home in Spain.

Colab RETHINK Innovation Area

Rethinking materials

A space in which creativity and technology merged to reveal the latest trends and sustainable solutions in materials. The aim was to inspire, "rethink" and help to focus attention on **innovation for the choice of materials and construction systems with new approaches.**



AlgaTile
A luxury ecological tile solution for interior design



AluFoam
An advanced porous metal with the unique benefits of foamed materials and the design flexibility of aluminium



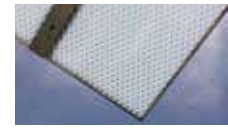
Datecrete
Sustainable innovation based on date seeds



DATEFORM
Innovative solid surfaces made from date seeds in the United Arab Emirates



Desert Board
PSB®: the embodiment of sustainability, innovation and decarbonisation



Design Composite
Innovation in high-quality technical elements



Rubber
Eco-friendly tiles made from recycled shoe soles with acoustic and thermal characteristics, designed by FLOWCO® in Portugal



GyPulp
Material made in London with scraps of consumer paper and recycled plaster



Koukoutsu
An innovative eco-friendly material inspired by the Olives of Lesvos



Kvadrat Really
At last, a concept for zero-waste office desks



Leukeather
A plant-based, sustainable and ethical material made from dried plant pods as an alternative to exotic leathers, with natural patterns and cruelty-free



Malai
An organic and sustainable biocomposite material made of bacterial cellulose, produced with agricultural waste from the coconut industry in southern India.



Neolith
high-tech and sustainable sintered surfaces



RAMEL
The first alternative in the world based on desert sand



SUSTAIGN
A sheet material made from recycled plastic with a stone and marble appearance



Sustorable
Eco-material - A recycled and recyclable circular design surface made from recycled PET plastic bottles and natural stone



Terraboard
Fibre-reinforced thermoplastic composite board, durable and fully recycled

The Plaza Vip Lounge

The epicentre of the fair

In a privileged area, with maximum visibility and restricted access, this VIP area, perfectly equipped with all kinds of services, provided a sophisticated and welcoming environment for business meetings, private gatherings and high-level networking.

The decoration of the area and furniture was the responsibility of Escofet, a leading company in outdoor furniture design.

Partners



Talent

Promoting job opportunities in construction

The lack of labour is one of the main challenges facing the construction sector. As a result, initiatives that helped to connect talent with the labour market were essential:

- **Barcelona Activa Job Marketplace:** This area connected future professionals with exhibiting companies with a demand for personnel for in-person interviews during the fair. It was also possible to attend activities and seminars designed to facilitate rapid insertion into the construction labour market.

- **Servei Públic d'Ocupació de Catalunya:** Companies also received the support of the Servei Públic d'Ocupació de Catalunya (SOC), which offered personalised care, job opportunities, resources and vocational training suited to their businesses.



0.5

Awards CONSTRUMAT

International recognition for the best architectural projects advocating sustainability



Awards for excellence for the most sustainable projects

The best innovation and sustainability were also rewarded at Construmat. In 1985, these awards, which were held for the twentieth time, are an international benchmark. The CONSTRUMAT Awards, created in 1985 by the organising committee of the Show, are biennial in nature and have highlighted the excellence of those works and projects of architecture and engineering based on environmentally friendly construction, the transversality of professional services and innovation, through research into

construction systems and new materials. The **Mies van der Rohe Foundation**, a prestigious international institution for research, debate and the promotion of architectural culture, curated the awards. It also featured a rigorously-assembled expert committee which, on this occasion, nominated **17 internationally relevant sustainable architectural works** to award two prizes and two mentions:

- Best work chosen by a jury.
- Best work selected by means of a popular vote.

Europe

Turó de la Peira sports hall
Barcelona, 2014-2019

Anna Noguera + Javier Fernández

BIMSA, Institut Barcelona Esports (IBE)
Barcelona City Council
Ferrovial Agroman, Construcciones Deco

JURY AWARD

Cornellà de Llobregat, Barcelona
2017-2020

Peris + Toral arquitectes

Institut Metropolità de Promoció de Sòl i Gestió Patrimonial
Vías y Construcciones, S.A.

19 social housing units in Palma de Mallorca
Palma de Mallorca, Balearic Islands, 2021-2023

Carles Oliver, Antonio Martín, Xim Moyá, Alfonso Reina (IBAVI)

Balearic Housing Institute (IBAVI)

Colegio Reggio
El Encinar de los Reyes, Madrid, 2016-2022

Andrés Jaque / Office for Political Innovation

CIIP REGGIO. Reggio Pedagogical Research and Innovation Centre

Integrated transport centre for Metro Madrid
Madrid, 2016-2022

Nexo + Gutiérrez-delaFuente + Perea

Metro de Madrid

Salez agricultural centre

Canton St. Gallen, represented by the building construction office of the canton of St. Gallen

Urban regeneration by means of a green infrastructure, passive and bioclimatic architectural solutions, a fully PEFC-certified prefabricated wooden structure, hydroponics and reuse of rainwater and the production of renewable photovoltaic energy.

The residential building is based on a structure of connected rooms that eliminates corridors to ensure optimal use of the space and the use of wood to allow the industrialisation of the elements, thus improving the quality of the construction and significantly reducing deadlines and CO2 emissions.

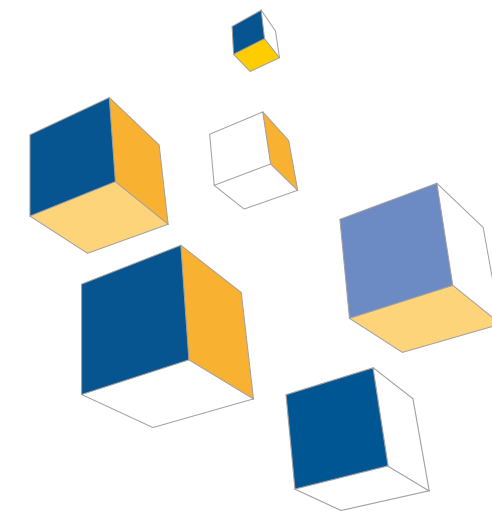
A reference for ecologically sustainable social housing units built with parallel load-bearing walls made of 20 cm thick sandstone (*marés*). The project addresses climate change by reducing its carbon footprint, using traditional construction systems in a contemporary manner and securing comfort and thermal insulation with neptune grass leaves.

50% reduction in the energy consumed by means of thermal insulation: 80% of the building envelope is covered by 14.2 cm sprayed cork with 9,700 kg/m³ density (doubling the regulatory requirements in Madrid).
_ compactness: the building footprint has been minimised to optimise the overall need for foundations and radically reduce the cost of the façade. _ reduction of materials by up to 48%.

A nearly zero energy building (nZeb) with 56 geothermal wells + 512 photovoltaic solar panels, landscaped roofs, a central garden built using the existing car park structure, renaturalisation of the site's heritage. The keys to reducing energy consumption are divided into passive and active strategies.

Use of natural materials derived from wood, energy savings, low-tech cooling, cross ventilation by means of the chimney effect, tradition and climatic rationality. The construction and structure of the façade meet the structural and climatic specifications. In addition to its function as a walkable outdoor space, the porch along the entire façade also serves as constructive protection against the elements and provides shade.





PUBLIC AWARD

Collegium Academicum student residence
Heidelberg, Germany, 2016-2023

DGJ Architektur

Collegium Academicum GmbH, Heidelberg

Rapunzel visitor centre
Legau, Germany, 2018-2022

Haas Cook Zemmrich Studio2050

*Rapunzel Naturkost GmbH
Gebr. Filgis GmbH & Co. KG*

Museum in the alpine town of Sonthofen
Sonthofen, Germany, 2019-2023

Andreas Ferstl Architekto

Municipality of Sonthofen

Colegio Frida Kahlo
Bruges, France, 2019-2022

Compagnie architecture

City of Bruges

JUDGES' FAVOURITE

Le Magasin Électrique Hub
LUMA-Arles, Parc des Ateliers, Arles, 2019-2023

Atelier LUMA + Assemble + BC architects & studios

LUMA Foundation

South America

JUDGES' FAVOURITE

Las Tejedoras community production centre
Chongón, Guayaquil, Ecuador, 2021-2022

Juan Carlos Bamba + Natura Futura

*Fundación Young Living
Pablo Ponce Construcción*

An energy-plus building that can function in a climate-neutral and positive manner thanks to the large 140 kWh photovoltaic installation on the roof and the battery storage. As it's a wooden building with high recycling and CO2-saving potential, its construction is also practically neutral from a climate standpoint.

Recycled foamed glass gravel was used instead of polystyrene foam for insulation and the subsurface. All the materials, colours and coatings are painstakingly selected, mineral-based and organic. Natural light is used and mechanical air conditioning is largely dispensed with. What nature provides as a microclimate is used on the site to build a robust and, therefore, long-lasting building that works with nature and not against it.

The building demonstrates the modern architectural approach of refurbishing rather than building something new. (...) The ceilings of the exhibition halls, for example, are clad in wood; the fir trees required for this were felled in the town's own forest. of façades and roofs not only represents a valuable contribution to modern construction in a historical setting, but also the exemplary use of renewable and local raw materials.

A timber structure, wooden frames, wood wool insulation and wooden cladding to reduce CO2 emissions. Climate shafts and chimneys to ensure fully natural ventilation. An E4C2-certified overall bioclimatic design: roof overhangs, blinds, natural lighting, etc. Educational gardens. A landscaped courtyard for comfort in summer.

Use of compacted earth, organic waste and other biological fibres to rehabilitate an existing building. An exemplary focus on locally available materials and a highly aesthetic execution. The project prioritises and proclaims reuse over demolition. Reuse of agricultural, quarry and waste stream materials.

Local bricks were used to present a spiked design which is reinforced by the shape of the interlocking walls. A courtyard with endemic vegetation that succeeds in revealing further potential for environment-conscious architectures. Teak wood, traditionally used as a structure for the stilt houses in the area, is employed for the main structure. Low energy consumption. For lighting control and natural ventilation, folding wooden lattice doors are used.



ASIA

San Javier oratory
Umphang, Thailand, 2022

Paco García Moro

Xaverian Mission in Umphang

Use of natural materials derived from wood, energy savings, low-tech cooling, cross ventilation by means of the chimney effect, tradition and climatic rationality. The construction and structure of the façade meet the structural and climatic specifications. In addition to its function as a walkable outdoor space, the porch along the entire façade also serves as constructive protection against the elements and provides shade.



Africa

Mustardseed early education school
Sentema, Wakiso, Uganda, 2019-2021

Localworks

Friends of Mustardseed
Localworks

Local and natural materials: bags of earth filled with compacted soil from the site, foundations built with packed local sandstone blocks and a roof structure with eucalyptus wood taken from the local trees. The structural slabs, ground and milled to expose the natural stone aggregate, function as the final finish of the flooring. The thick external earth walls don't reach the roof, allowing fresh air to flow and ventilate and cool the spaces.



Agricultural Conservation Institute in Rwanda (RICA)
Karama, Bugesera District, Rwanda, 2017-2023

MASS Design Group

Howard G. Buffett Foundation
Rwanda Institute for Conservation
Agriculture, Government of Rwanda

The foundation uses locally quarried quartzite stone, reducing the concrete volumes and embodied carbon by 60% in comparison with a typical reinforced concrete solution. The innovative engineering entailed researching and testing floorings on the site to create a low-cement mix for compressed earth blocks (CEB), compacted earth walls and cast-in-place earth plaster mixes.



Diamniado Terre-Typha Ecopavilion
Cité des Savoirs, Diamniado, Senegal, 2015-2019

CraTerre + Elementerre + Worofila

PNEEB TYPHA / Ministry of the Environment of Senegal / PNUD/FEM
Elementerre

A practical laboratory for testing different construction techniques with local materials of biological and geographical origin. Research with local resources such as earth, bulrush (typha) and bamboo in different construction components to create hyper-regional and low-impact architecture. A demonstration of how these materials can be combined in different construction systems to demonstrate their application.



Café-Kiosk
Cape Town, 2020-2023

Harlech-Jones Architects (Architect of Record) + Kevin Kimwelle (Design Architect)

Victoria & Alfred Waterfront Pty Ltd
Indalo World NGO and EMCON Contractors

The building applies a passive design for all the cooling, heating and ventilation aspects. The appropriate orientation of the building allows for maximum light and heating, while the openings, sliding doors and pergolas ensure climate control.



Committee of experts

Made up of representatives of domestic and international institutions, organisations and associations linked to research, practice and the promotion of sustainability in architecture. The committee's knowledge and experience was essential to ensure the rigour and quality of the nominated works and to justify and establish the specific selection criteria defining the call.



L'Architecture d'Aujourd'hui (AA)

L'Architecture d'Aujourd'hui (AA), founded in 1930, is the pioneering architecture magazine in France. It's a bilingual French-English publication which is distributed around the world.

Emmanuelle Borne
Editor-in-chief of L'Architecture d'Aujourd'hui



Asociación Sostenibilidad y Arquitectura (ASA)

An independent non-profit association that seeks to raise awareness and promote architecture and urban planning committed to a sustainable environment.

Manuel Enríquez Jiménez. President ASA. Architect, founding partner of ByE Arquitectos and associate professor at the School of Architecture of the University of Navarre (ETSAUN)



Agrupación de Arquitectura y Sostenibilidad (AUS)

An organisation that strives to create a world that combats climate change, minimises energy demand and waste and preserves natural heritage.

Albert Cuchí Burgos, Greta Tresserra Sans and Toni Escudé Poulenc
President and Vice-Presidents of AUS



Bauhaus Earth

A non-profit organisation that aims to guide and transform the concept of the built environment towards regenerative, sustainable and efficient buildings and cities by means of the use of bio-based resources and materials.

Philipp Misselwitz. Executive director of Bauhaus Earth
An architect-urban planner, former director of the School of Architecture at the Technical University of Berlin (TU-Berlin), president of Habitat Unit and partner at Urban Catalyst GmbH Berlin



GBCE Green Building Council España (GBCE)

A leading sustainable building organisation in Spain which is a benchmark in the transformation towards a sustainable model for the building sector.

Justo Orgaz Domínguez. President GBCE
Architect, founding partner of Trastbordo Arquitectura and construction manager

The jury

The jury tasked with selecting the winning work was made up of three members with a renowned professional and/or academic career in the field of practice and research into sustainable architecture.

Marie-Hélène Contal

Architect and graduate in social sciences from the Institute of Political Studies (Sciences Po) in Paris.



Olaf Grawert

Partner-architect at the bplus.xyz (b+) architectural studio in Berlin, which focuses on the adaptive reuse of existing buildings.



Jordi Pagès Serra

Architect from the Barcelona School of Architecture (ETSAB-UPC, 1994); he completed his academic training at the University of Delft (TU Delft).



0.6

Training and certificates

Promotion and development of professional growth



Construmat contributed to professional growth with accredited training and master classes conducted by renowned entities and companies in the industry, thus facilitating knowledge and the development of skills.

CGATE accreditation by training hours for technical quantity surveyors

All the Technical Architects who visited the fair received a certificate of attendance when it ended to validate their training hours on the Continuous Professional Development Programme (PDC) of the CGATE (General Council of Technical Architecture of Spain).

Solar-fix Certified Training by Fischer

This certification accredited the participants as installers specialising in photovoltaic assembly, using high-quality materials and a reliable, ergonomic and environment-friendly system in accordance with the DIN EN ISO 14001 standard. The training was approved by TÜV Rheinland.

Master class by CIAAD

CIAAD is a leading international accreditation and certification platform and the official partner of the United Nations for the implementation and advancement of the UN Sustainable Development Goals (SDGs).

Three master classes were held during Construmat:

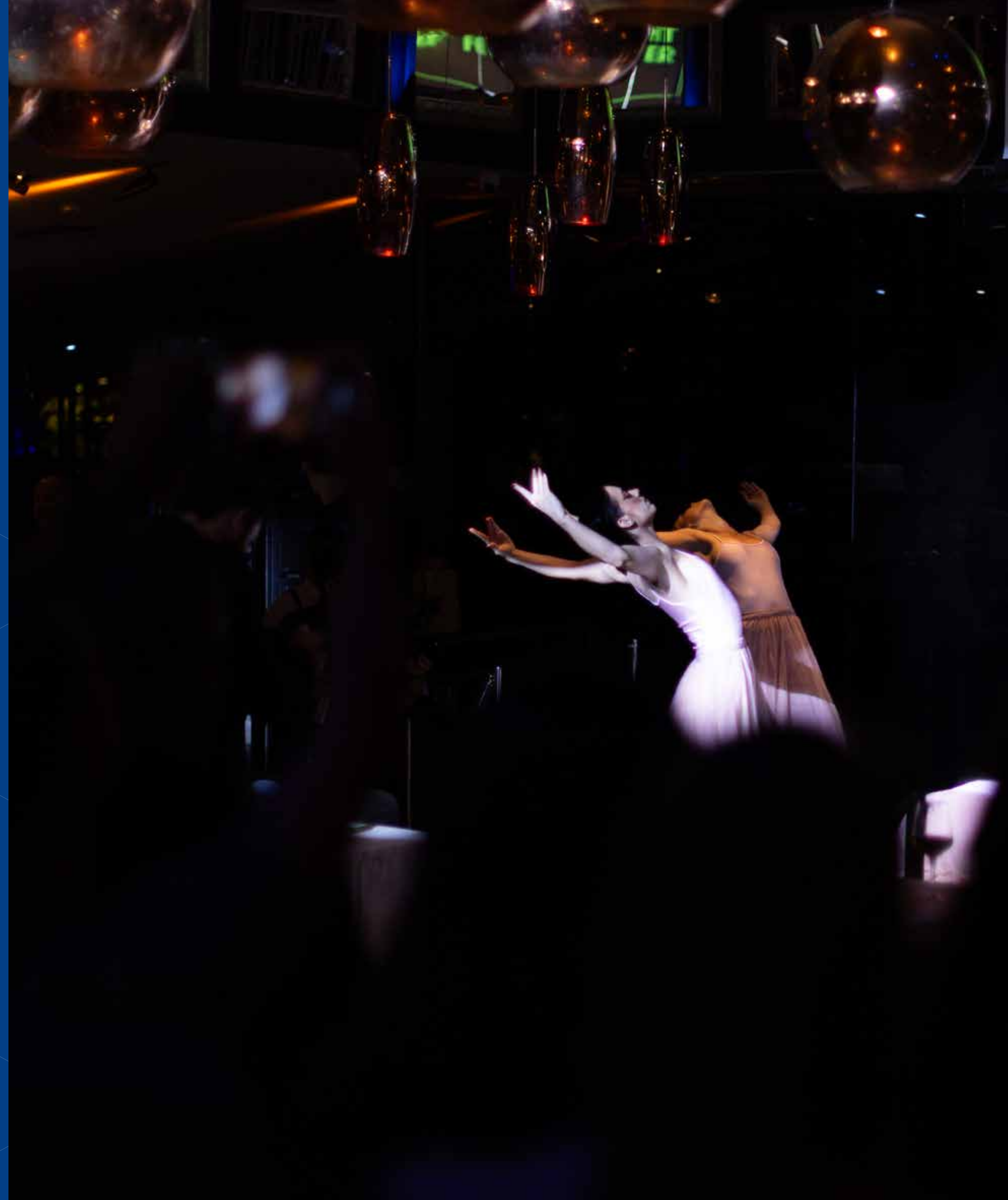
1. Design for modular construction, opportunities to reduce carbon emissions throughout the life cycle.
2. Accreditation and certification for the implementation of the United Nations Sustainable Development Goals (SDGs).
3. Artificial Intelligence for architecture and design with response capacity.

The attendees received a Certificate of Completion, confirming their successful realisation of a specific credit-bearing master class (three credits per class).

0.7

The party

The social and festive event,
the party for the industry in Barcelona



Construmat Construmat Night Fever

With access by invitation only, the second Construmat Night Fever party **brought together the most important players in the sector**: representatives of the exhibiting companies, partners and institutions in the industry, hosted buyers, visitors, speakers and the media. The evening once again boasted an excellent atmosphere, laughter and relaxed conversations. The party included dinner, cocktails, a DJ and a show.

400 people attended the event, which took place at the Nu Barcelona restaurant, a must-visit destination for lovers of Barcelona nightlife.



0.8

Partners

A unique and representative ecosystem for the entire industry

Platinum Partners



La Plaza - VIP Lounge Partners



Outer area partner



Institutions



Digital partner



Intellectual property partner



Strategic sustainability partner



Construmat is a partner of the United Nations



Media Partners



Associations and Guilds



