



## PICHARCHITECTS/PICHAGUILERA TEAM

We are an architectural firm with an international focus and headquartered in Barcelona.

We have developed architectural, construction and planning projects in the private and public sectors, with the aim of providing technology and innovation in the construction and sustainability area.

The studio was founded in 1986, with two architects: Felipe Pich-Aguilera Baurier and Teresa Batlle Pagès.

**“Integrate, vertebrate, catalyze and produce, through architecture, contemporary responses to urban demands for comfort, habitability, integration and identity.”**



## HOW DO WE WORK?

The firm focuses mainly on architectural projects. The effort, in this sense, has led us to develop planning, promote innovation projects, research and development and deepen aspects related to the sustainability of our buildings, both in their construction and in their use. Thus, the firm not only focuses on project development, but also has cross-cutting areas that take care of quality, innovation and sustainability.

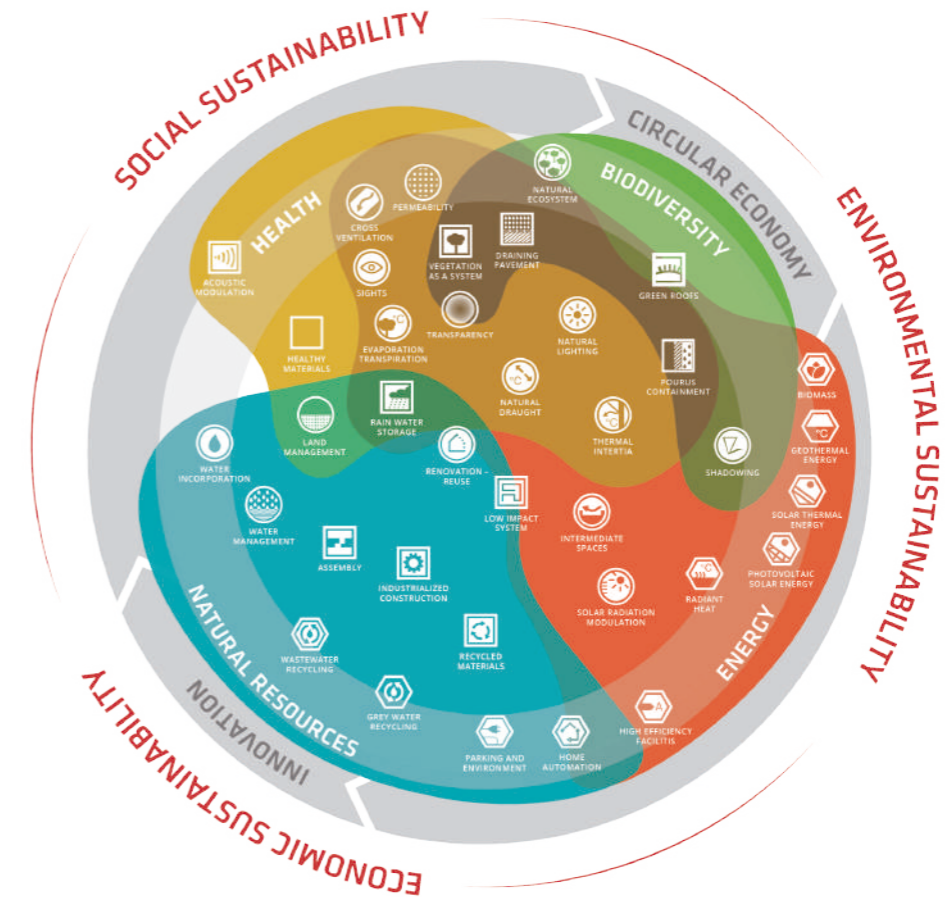
The current complexity and precision of our work has led us to be one of the first firms to incorporate the BIM model in our projects and ISO9001 certification.

**“The need to respect the environment has become a social consensus. Architecture must seek alternatives that provide a more stimulating relationship with nature, as well as a more honest application of natural resources. In this way, it will be able to give us objective guidelines to approach planning and building technology from a contemporary appreciation.”**

**Felipe Pich-Aguilera and Teresa Battle; architects**

### OUR VALUES

- 30 years of architecture in Barcelona with an international focus
- Experts in construction technology, quality, innovation and sustainability.
- Sustainability as an economic, social and environmental whole
- We provide global solutions, from urban planning to construction details.





Architecture takes on a new dimension when it has to take into account respect for the environment.

The management of our material and energy resources towards a circular economy in planning and building is a cross-cutting task involving multiple disciplines in close complicity. Architects and engineers, biologists and physicists interact with each other on aspects such as climatology, the environment and natural resources - sun, air, materials, water, vegetation, waste - in order to shape spaces and define systems - construction, installations, production - based on responsible sustainability.

WHERE ARE WE?

OUR OWN OFFICES

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**BARCELONA - SPAIN**  
(22@ Innovation District). Main office of the studio and origin of its activity.
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**MADRID - SPAIN**  
Since 2022, office providing national coverage.

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**MONTERREY - MEXICO**  
Since 2010, through our offices in Monterrey and a resident team, we have been working on sustainable building projects throughout the country.

EXTERNAL SUPPORT

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**FRANCE**  
Since 2008, we have been developing projects and works for housing, planning and public and private facilities, in partnership and collaboration with local teams (Brittany, Lyon and Toulouse).
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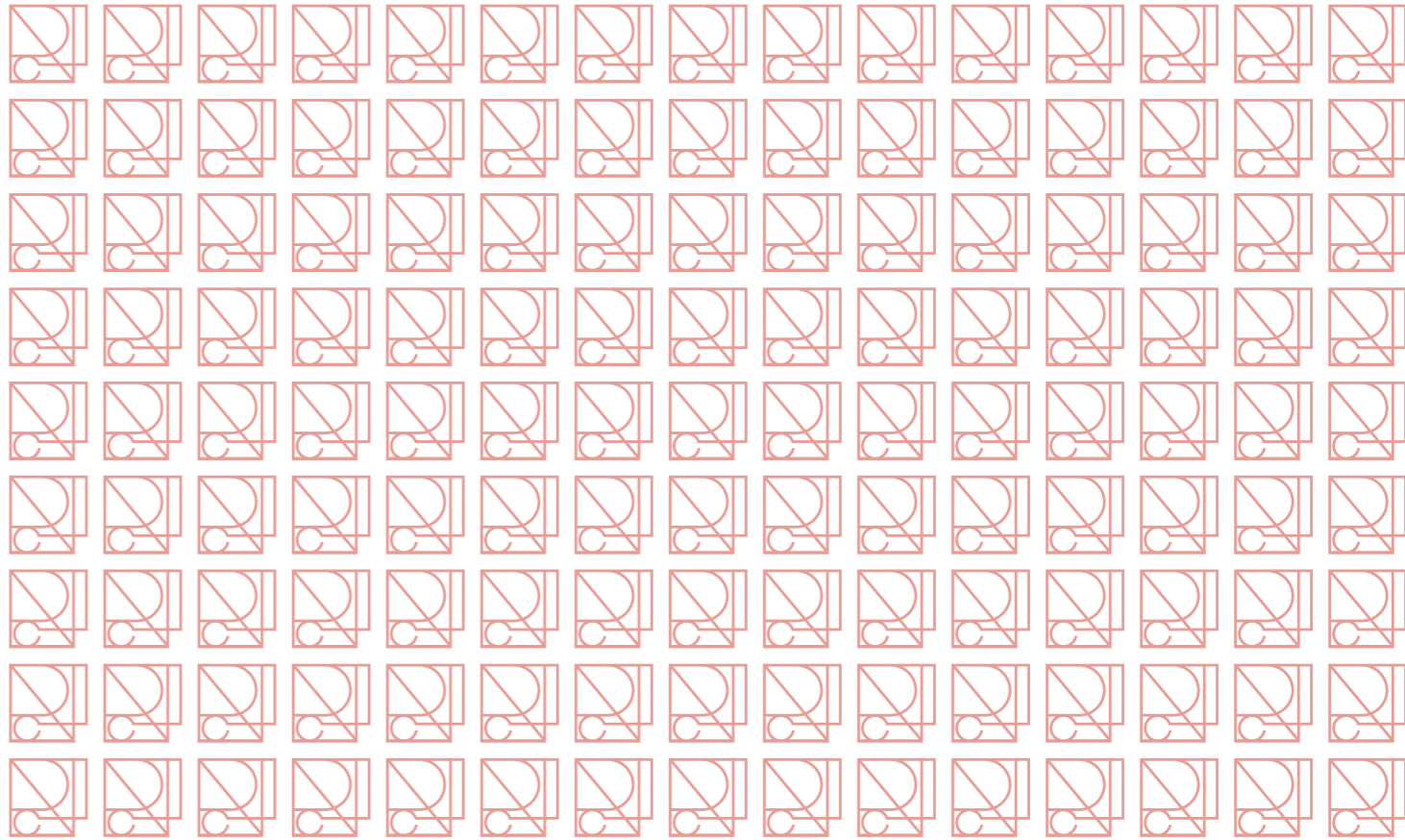
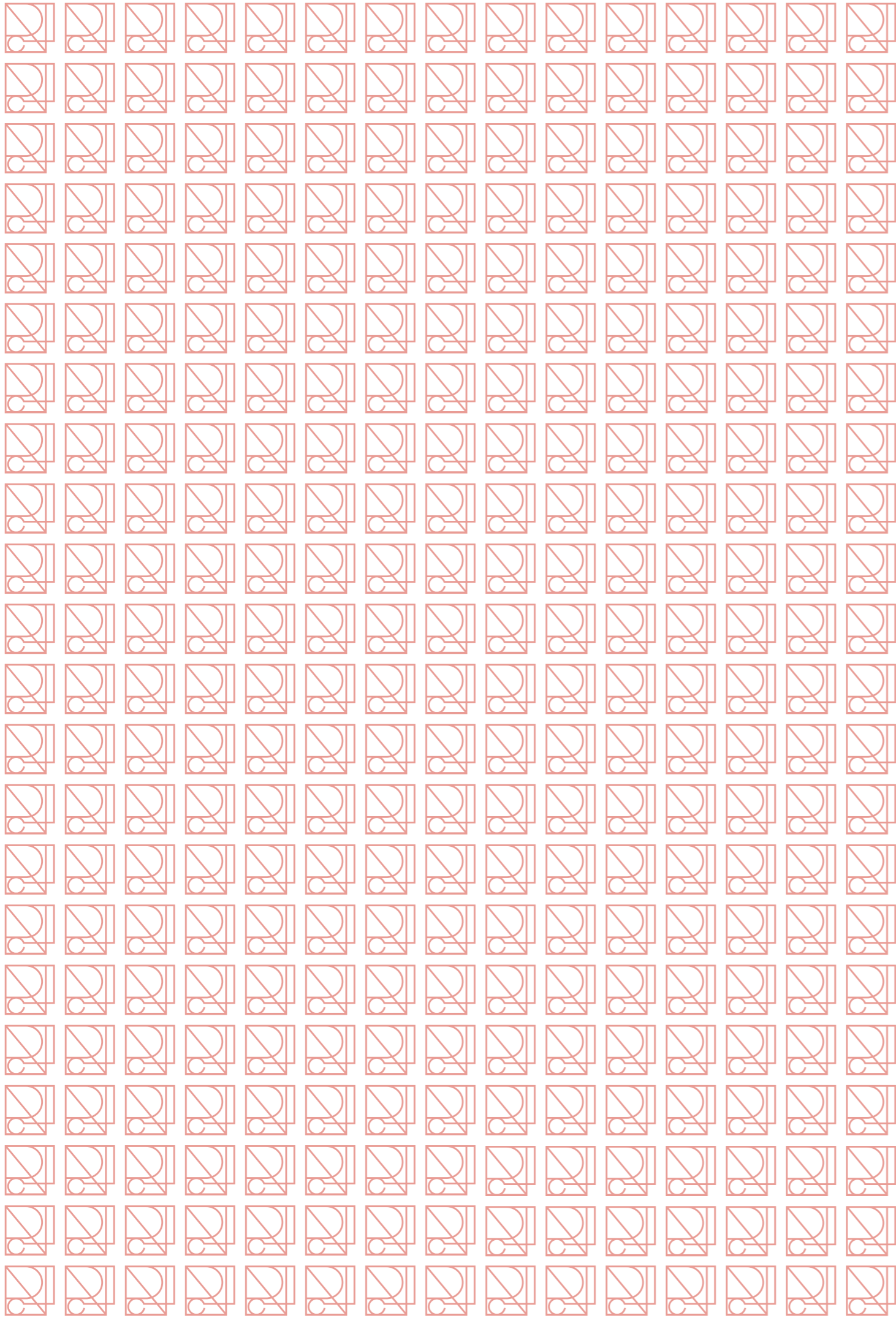
**QINGDAO AND SHANGAI - CHINA**  
From OSA - Sustainable Architecture and Engineering. The company led by an engineer has participated in the realization of projects as well as in the specialized advice on aspects of industrialization and environment.

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**ALMATY - KAZAKHSTAN**  
In collaboration with architect Marco Salvatore, we offer services that provide complete processes linked to architecture, industrialization and the environment.
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**GERMANY - CHILE - ARGELIA - QATAR - COLOMBIA**  
We have developed projects and participated in competitions in collaboration with local teams.

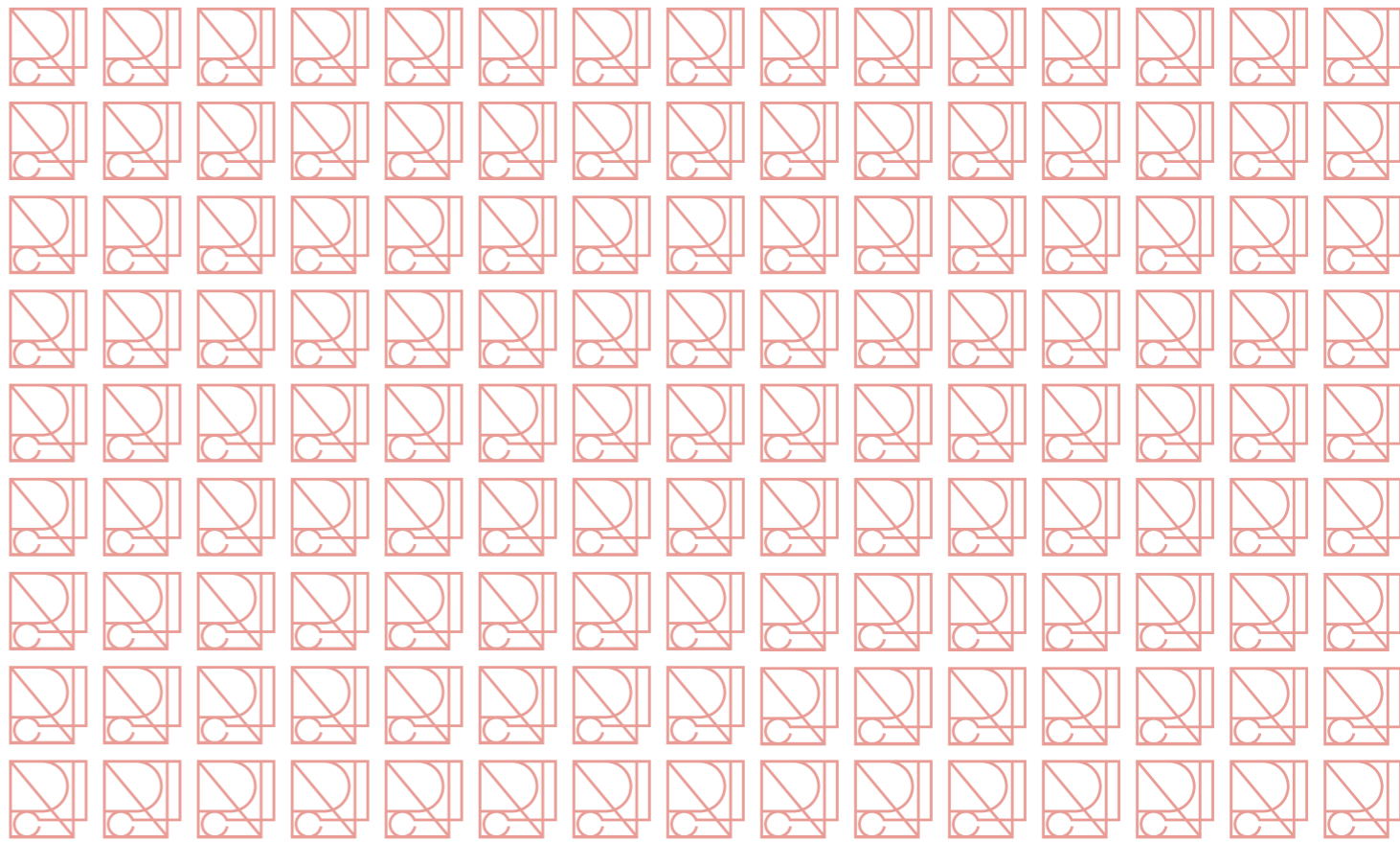




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# TEAM

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## FELIPE PICH-AGUILERA

Architect, Co-Founder

- 1984  
**Graduated from the School of Architecture ETSAB-UPC**  
Construction Specialization
- **Doctorate in Architecture**  
Doctoral thesis “Main socioeconomic factors affecting architecture. The case of Catalan modernism and its epoch.”
- 1986  
**Creator of his own studio**  
Picharchitects, Pich-Aguilera
- **Founding member of School of Architecture**  
International University of Catalonia, ESARQ-UIC
- 1996-1999  
**Chairman of the School Councils**  
International University of Catalonia, ESARQ-UIC
- 2008-Currently  
**4th year project teacher**  
International University of Catalonia, ESARQ-UIC
- 2010-Currently  
**Director of the 4th year course on Architecture and Sustainability.**  
International University of Catalonia, ESARQ-UIC
- **Director of the 4th year course on Architecture and Sustainability.**  
CEIM-UIC
- **Founding member of Architecture and Sustainability Group**  
Association of Architects of Catalonia, AuS-COAC
- **Association of Architects of Catalonia, AuS-COAC**  
International Initiative for a Sustainable Built Environment -IISBEE- and World Green Building Council -WGBC-
- 2009-2017  
**President GBC-Spain**  
International Initiative for a Sustainable Built Environment -IISBEE- and World Green Building Council -WGBC-
- **Evaluator of research articles related to Industrialization and Environment.**  
Several scientific publishers
- 1996-Currently  
**Member of juries in thesis, competitions and projects. He teaches courses, lectures, workshops and masters in architecture schools and institutions, linked to sustainability and industrialization, both in Catalonia, Spain and abroad.**



## TERESA BATLLE

Architect, Co-Founder

- 1989  
**Graduate of the School of Architecture ETSAB-UPC**  
Specialization in Conditioning and Services
- 1989  
**Associated with Felipe Pich-Aguilera**  
Forming Picharchitects, Pich-Aguilera
- **Founding member of School of Architecture**  
International University of Catalonia, ESARQ-UIC
- 1997-1999  
**2nd Cycle Teaching Plan Coordinator**  
International University of Catalonia, ESARQ-UIC
- 1996-1999  
**Professional Council Coordinator**  
International University of Catalonia, ESARQ-UIC
- 2012-Currently  
**Professional Council Coordinator**  
International University of Catalonia, ESARQ-UIC
- 2012-Currently  
**Member of the Board of Trustees of the Chair of Industrialized Building and Environment.**  
CEIM-UIC
- 2005-2012  
**Founding member of Architecture and Sustainability Group**  
Association of Architects of Catalonia, AuS-COAC  
**Founding member of the Architecture and Sustainability Association (ASA).**  
Promoted by the Higher Council of Spanish Architects Associations.
- 2007-2011  
**General Secretary**  
Architecture and Sustainability Association (ASA)
- 2012-2016  
**Vicepresident**  
Architecture and Sustainability Association (ASA)
- 2017-2021  
**Chairman Scientific Committee**  
Architecture and Sustainability Association (ASA)
- **Member of the Board of Directors of the Association 22@ network**  
Association of innovative companies headquartered in 22@ Barcelona
- 2004-Currently  
**Chairman of the Enterprise and Environment Committee**
- 1997-Currently  
**Coordinator of round tables and debates on the role of the architect in the innovation of construction processes, as well as systems more in line with a new balance between architecture and the environment.**



## JOAN MARIA FREIXES

Architect, Managing Director

- 2012  
**Graduated from the School of Architecture ETSAB-UPC**
- 2010  
**Joined the firm Pich-Aguilera, Architects**  
Barcelona
- 2013  
**Responsible for the Mexico office**  
Picharchitects, Pich-Aguilera
- 2017  
**Partner of Pich-Aguilera, Architects Mexico**  
Picharchitects, Pich-Aguilera
- **He has participated as a guest lecturer and professor at institutions and universities, including the Monterrey Technologic, the XII International Congress on Cities and Transport, Ecobuild London, Ecobuild Mexico, Construmat Barcelona, among others.**
- Currently  
**Head of the Zero Energy Buildings Consortium Committee**  
Latin America
- 2020-Currently  
**Managing Director**  
Picharchitects, Pich-Aguilera



## ÁNGEL SENDARRUBIAS

Responsible for Quality Control

- 1979-1990  
**Trained at the School of Architecture ETSAB-UPC**
- 1990-1993  
**Formed by the School of Technical Architecture EUATB-UPC**
- 1996-1998  
**Master's Degree in Structures**  
Polytechnic Foundation of Catalonia (UPC)
- 1989  
**Joined the firm Pich-Aguilera, Architects.**  
Barcelona
- 1989-1992  
**Contributor**  
Picharchitects, Pich-Aguilera
- 1992-2002  
**Technical supervisor of all projects**  
Picharchitects, Pich-Aguilera
- 2011-2018  
**Responsible for financial management**  
Picharchitects, Pich-Aguilera
- 2012-2018  
**Responsible for the ISO 9001 quality system**  
Picharchitects, Pich-Aguilera
- 2002-Currently  
**Responsible for supervision and quality of executive projects.**  
Picharchitects, Pich-Aguilera



## ANTONIO BATLLE

Chief Architect Manager

- 2009  
**Graduate of the School of Architecture ETSAB-UPC**
- 2006  
**Coordination of Urban Planning VI works**  
Department of Urbanism UPC - ETS Architecture Barcelona
- 2006  
**“Rinovarse o morire” Exposition**  
COATarragona
- 2006-2007  
**Internships in the concept team**  
David Chipperfield Architects
- 2007  
**Professor Structures II**  
ASES
- 2010-2009  
**Architect**  
ACXT IDOM, engineering and architecture company
- 2010-2014  
**Founder of his own architectural firm**
- 2015-2016  
**BIM Manager Zigurat Master’s Degree / BIMFreelance**
- 2014  
**Collaborator as support in the development of projects**  
Picharchitects, Pich-Aguilera
- 2017  
**Project Manager**  
Picharchitects, Pich-Aguilera
- 2017-2021  
**BIM manager**  
Picharchitects, Pich-Aguilera
- 2022 - Actualidad  
**Project director and BIM Manager**  
Picharchitects, Pich-Aguilera



## ANA GONZALEZ

Project Leader Architect

- 2012-2013  
**Collaborates as a student in the project department**  
ETSA of the University of Navarra
- 2015-2016  
**Student collaborator**  
Ah Asociados
- 2016  
**Graduate in Architecture**  
School of Architecture of the University of Navarra, Spain
- 2016-2017  
**Architect**  
Ramón Sanabria Associated Architects
- 2017-2018  
**Freelance architect**  
Trias de Bes Architecture
- 2018-2020  
**Architect collaborating in the development of projects**  
Picharchitects, Pich-Aguilera
- 2020-Currently  
**Project Manager**  
Picharchitects, Pich-Aguilera



MIGUEL SUAREZ

Madrid Office Manager

- 2017  
**Graduate in Architecture**  
Higher Technical School of Architecture ETSAM-UPC
- 2018  
**Master of Architecture**  
Higher Technical School of Architecture ETSAV-UPC
- 2021  
**Master in Architectural Visualization and Virtual Reality**  
5HUB Factory
- 2021-Currently  
**Architecture in space course**  
School of Disruption SIDI partner with Tesla
- 2018-2020  
**BIM modeler Architect**  
Celobert cooperative
- 2021-Currently  
**Design and construction of school in Mahandogou, Ivory Coast**  
ONG SUMMUM
- 2020  
**Collaborator as support in the development of projects**  
Picharchitects, Pich-Aguilera
- 2021-Currently  
**Responsible for Architectural visualization**  
Picharchitects, Pich-Aguilera
- 2022-Currently  
**Office Manager in Madrid**  
Picharchitects, Pich-Aguilera



MARCELA CALDERÓN

Project Leader Architect

- 2011  
**Graduate in Architecture**  
UANL School of Architecture
- 2012  
**Diploma in interiors**  
LCI University
- 2015  
**Graduate in Msc. Sustainable Architecture**  
University of Liverpool
- 2015-2018  
**Collaborating Architect**  
Punta Terra Architecture
- 2018-2020  
**AD&P Architecture Design and Planning**  
Architect
- 2021  
**Graduate in Master in Project Management**  
UANL School of Architecture
- 2020-Currently  
**Project manager in the Mexico delegation**  
Picharchitects, Pich-Aguilera



## ZUZANA PROCHAZKOVA

Chief Innovation Architect

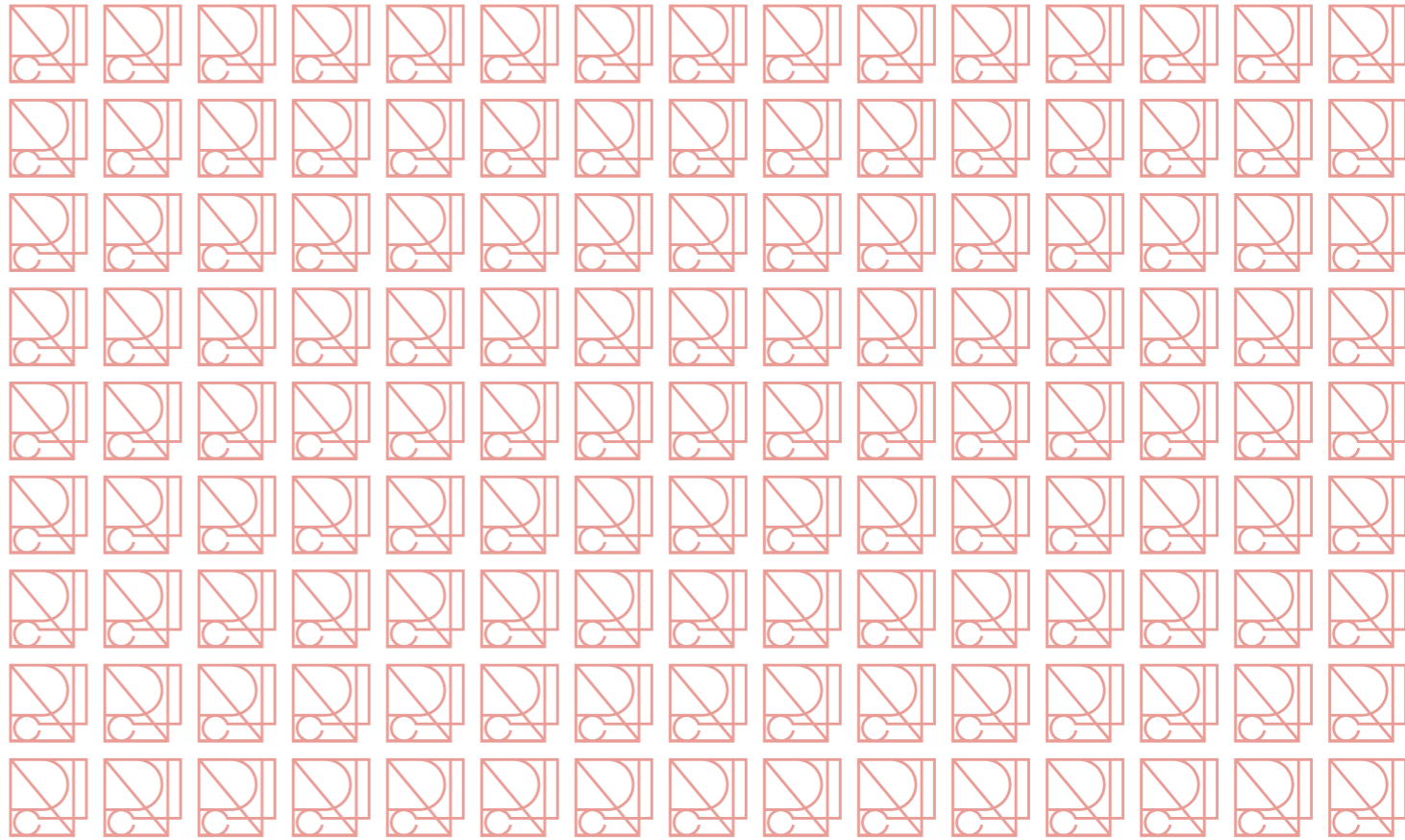
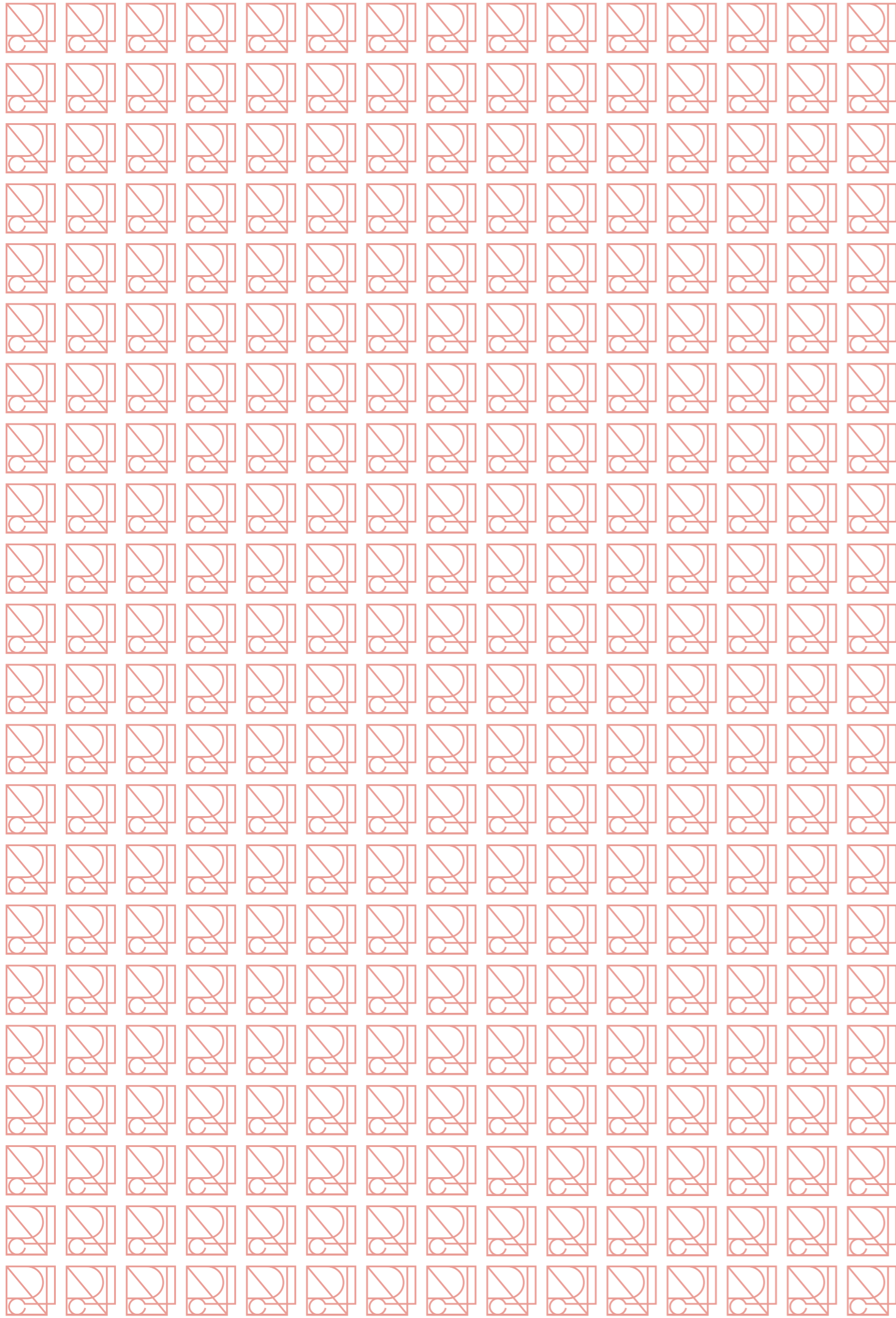
- 2007  
**Graduate of the Technical University of Bratislava, Faculty of Architecture**  
Slovakia
- 2007-2009  
**Master “Architecture, constructions in architecture”.**  
Technical University of Bratislava, Faculty of Architecture
- 2016-Currently  
**Co-founder**  
ONA Studio, Design and consulting in architecture, energy and environment.
- 2016-2017  
**Collaboration as support in the development of projects with Picharchitects**  
European Commission - Erasmus for Young Entrepreneurs Program
- 2017  
**Joined the firm Pich-Aguilera, Architects**  
Barcelona
- Currently  
**Responsible for the I+D+i department**  
Picharchitects, Pich-Aguilera
- Currently  
**Chair of industrialization and environment**  
International University of Catalonia, CEIM-UIC



## FERNANDA

Sustainability Manager

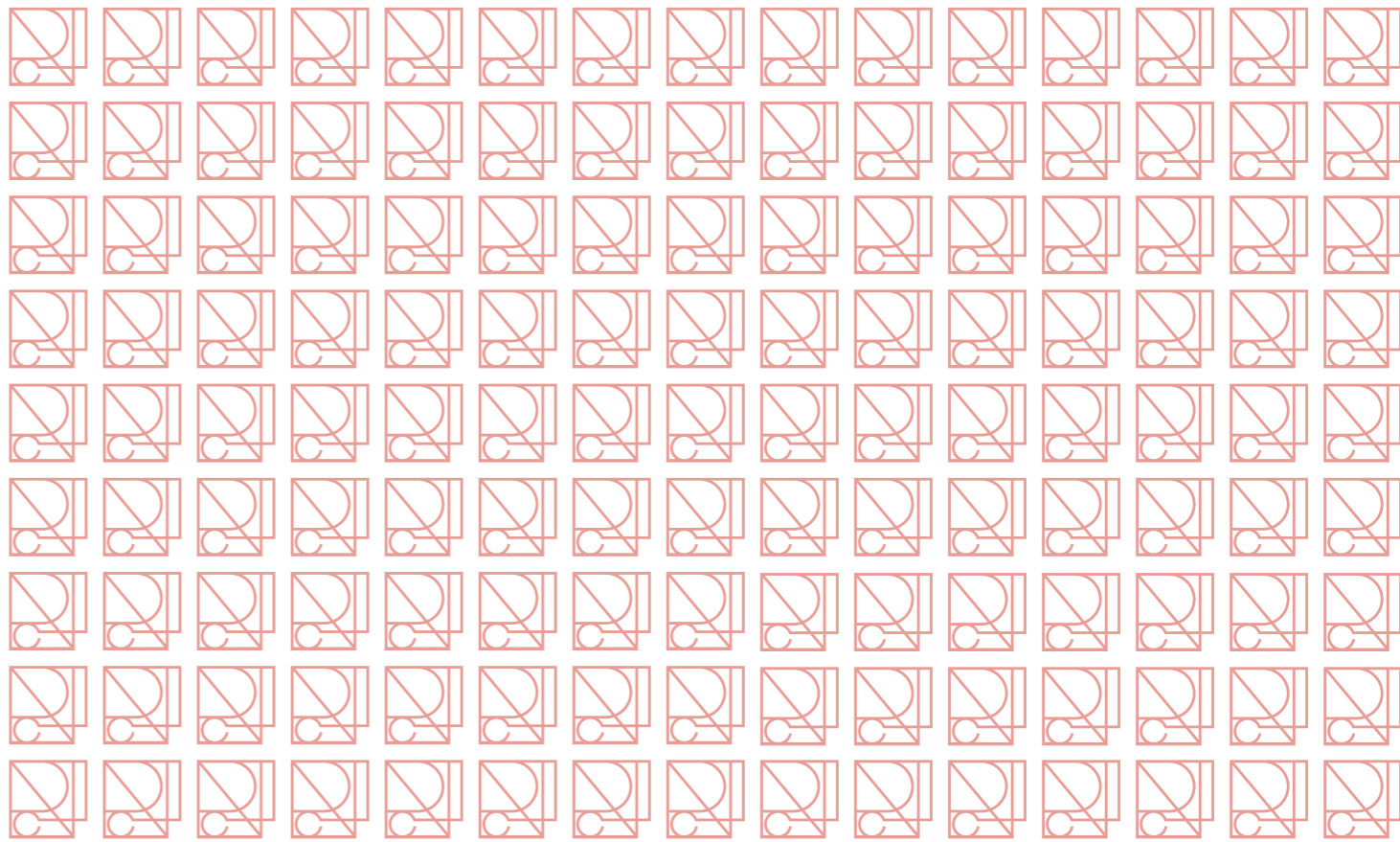
- 2003-2008  
**Architect - Universidad La Salle Cuernavaca - Hermano Miguel Medal for Academic Excellence**
- 2007-2008  
**Project Coordinator**  
“Ecole para la Vida, on how to make dry toilets in Tlalcozotitlán, Guerrero.”  
La Salle University Cuernavaca
- 2009-2010  
**Master in Architecture, Energy and Environment**  
Polytechnic University of Catalonia (UPC), Barcelona, Spain.
- 2012  
**Diploma in Ecological Sanitation**  
IHE Delft Institute for Water Education
- 2013-2016  
**Project management and research**  
VivA Program
- 2013-2021  
**Lecturer in Master’s Degree in Architecture, Design and Sustainable Construction**  
University of the Environment (UMA)
- 2011-2021  
**Environmental consulting and architectural design**  
Rizzardini Architecture
- 2021  
**Diploma in Zero-Energy Design**  
Technical University of Delft
- 2022-Currently  
**Doctorate in Architecture, Energy and Environment**  
Polytechnic University of Catalonia (UPC), Barcelona, Spain.
- 2022-Currently  
**Cross-cutting manager of the sustainability area**  
Picharchitects, Pich-Aguilera



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# PARTNERS

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REGULAR PARTNERS

Structures area

BBG Structures, research and rehabilitation S.L.P.

Area: Structural consulting and architectural rehabilitation.

Collaboration: since 1989.

Technician in charge: Mr. Robert Brufau, Architect.

MASALA Consultors

Area: Structural calculations, construction management and consulting.

Collaboration: since 2001.

Technician in charge: Mr. Miquel Angel Sala, Architect.

BIS Architects

Area: Structural design and construction management.

Collaboration: since 1999.

Technician in charge: Mr. David García, Architect.

BAC Engineering Consultancy Group

Area: Structural calculations, construction management and consulting.

Collaboration: since 2004.

Technician in charge: Mr. Agustín Obiol, Architect.

Technician in charge: Mr. Lluís Moya, Architect.

Geotechnical area

Boch & Ventayol

Area: Geotechnical studies.

Collaboration: since 2010.

Technician in charge: Mr. Albert Ventayol, Geologist.

Catalan Geotechnical Center

Area: Geotechnical studies.

Collaboration: since 1997.

Technician in charge: Mr. Teodoro Gonzalez, Geologist.

Installations area

PGI Proyectos y Gestiones Industriales

Area: Consumption advice, energy saving and negotiation with companies.

Collaboration: since 1995.

Technician in charge: Mr. José Julio. Industrial engineer.

JG GRUPO, Ingeniería

Area: Installation projects and calculations. Legalizations. Solar energy projects.

Collaboration: since 2003.

Technician in charge: Mr. Juan Gallostra. Industrial engineer.

RP GRUPO, Ingeniería

Area: Installation projects and calculations. Legalizations. Solar energy projects.

Collaboration: since 1999.

Technician in charge: Mr. Eduardo Romero. Industrial engineer.

MAFO IMOGEPI

Area: Installation projects and calculations. Projects of activities. Legalization of solar energy projects. Projects of building installations with energy self-sufficiency and photovoltaic energy production for self-consumption.

Collaboration: since 2017.

Technician in charge: Mr. Ramon Navés. Industrial engineer.

MAFO IMOGEPI

Area: Installation projects and calculations. Projects of activities. Legalizations. Solar energy projects.

Collaboration: since 2015.

Technician in charge: Mr. Juan Seguí. Industrial technical engineer.

Oriol Ruiz

Area: Installation projects and calculations. Legalizations. Solar energy projects.

Collaboration: since 2016.

Technician in charge: Mr. Oriol Ruiz. Industrial engineer.

REGULAR PARTNERS

Bioclimatic architecture area

Circular economy consultants

Area: Eco Intelligent Growth (EIG). Cradle to Cradle tracking in building materials.

Collaboration: since 2018.

Technician in charge: Cristina Sendra, Chemist

La Vola

Area: Energy advice on installation projects.

Collaboration: since 2007.

Technician in charge: Mr. Esteve Maneja, Technical Agricultural Engineer.

ETAMINE

Area: Specialists in environmental and energy consulting.

Collaboration: since 2014.

Technician in charge: Mr. Nicolas Molle, PhD in Engineering.

Budgeting-measurement-construction management area

Técnicos G3, S.L.P.

Area: Measurements, budgets, health and safety coordination, quality control and project management.

GPCAT Construction management and supervision

Area: Measurements, budgets, health and safety coordination, quality control and project management.

Collaboration: since 2001.

Technician in charge: Mr. Antoni Floriach, Technical Architect.

Management & Construction management SLP

Area: Measurements, budgets, health and safety coordination, quality control and project management.

Collaboration: since 2010.

Technician in charge: Mr. Pere Pescado, Technical Architect.

Urban planning and management area

ARQTIS S.L. Group

Area: Specialist in real estate management and urban development management, relationship with the Administration and Delegated Property Management.

Collaboration: since 2008.

Technician in charge: Mr. Carlos Teixidó Meca, Architect.

Research and development area

IREC

Area: Specialized in European innovation and research projects.

Collaboration: since 2019.

Technician in charge: Jordi Pascual, Physicist.

CIMNE-UPC

Area: Specialized in European innovation and research projects.

Collaboration: since 2005.

Technician in charge: Mr. Jordi Cipriano, engineer.

CIMNE-UIC

Area: University-Company Research.

Collaboration: since 2010.

Responsible technician: Ms. Zuzana Prochazkova, researcher.

Construction and maintenance management area

Técnico G3

Area: Construction and maintenance management.

GPCAT

Area: Specialized in European innovation and research projects.

Collaboration: since 2001.

Technician in charge: Mr. Antoni Floriach, Technical Architect.

UMMA

Collaboration: since 2018.

Responsible technician: Margherita Aricó and Ute Muencherberg.

INTERNACIONAL PARTNERS

Mexico

Bioconstruction and Alternative Energy

Area: Sustainable building consulting. LEED certification.

Collaboration: since 2013.

Technician in charge: César Ulises Treviño, Civil Engineer.

PGI Engineering

Area: Installation projects. Structural calculations. Consumption and energy saving consultancy.

Collaboration: since 1995.

Technician in charge: Daniel Bautista, Engineer.

France

ETAMINE

Area: Specialists in environmental and energy consulting.

Collaboration: since 2014.

Responsible technician: Nicolas Molle, PhD in Engineering.

INGEROP - Toulouse

Area: Engineering.

Collaboration: since 2013.

Responsible technician: Patrick Cremont, Engineer.

David Cras - Rennes

Area: Architecture.

Collaboration: since 2008.

Technician in charge: David Cras, Architect.

180 Degrés Engineering

Area: Environmental and energy consulting

Technician in charge: Julien Coeurdevey, Environmental engineer in site and city planning.

China (OSA S.L Society)

Steel Prouducts (socio OSA)

Area: Management of international services.

Collaboration: since 2011.

Technician in charge: Francisco Concejo, Engineer.

Ana Fang

Area: International project management.

Collaboration: since 2011.

Technician in charge: Ana Fang.

Mindy Lee

Area: Commercial contact for projects in China - Shanghai area.

Collaboration: since 2012.

Responsible technician: Mindy Lee.

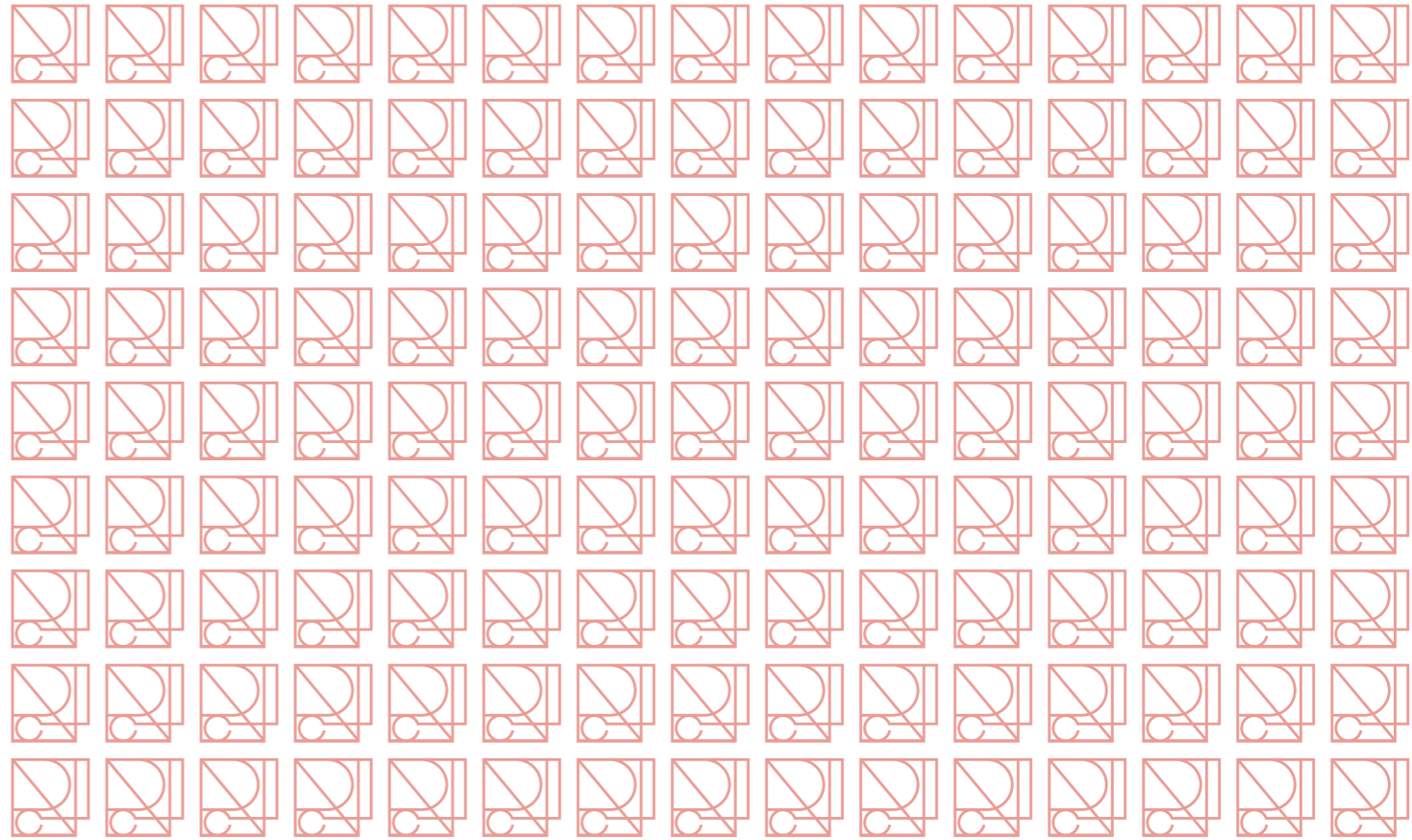
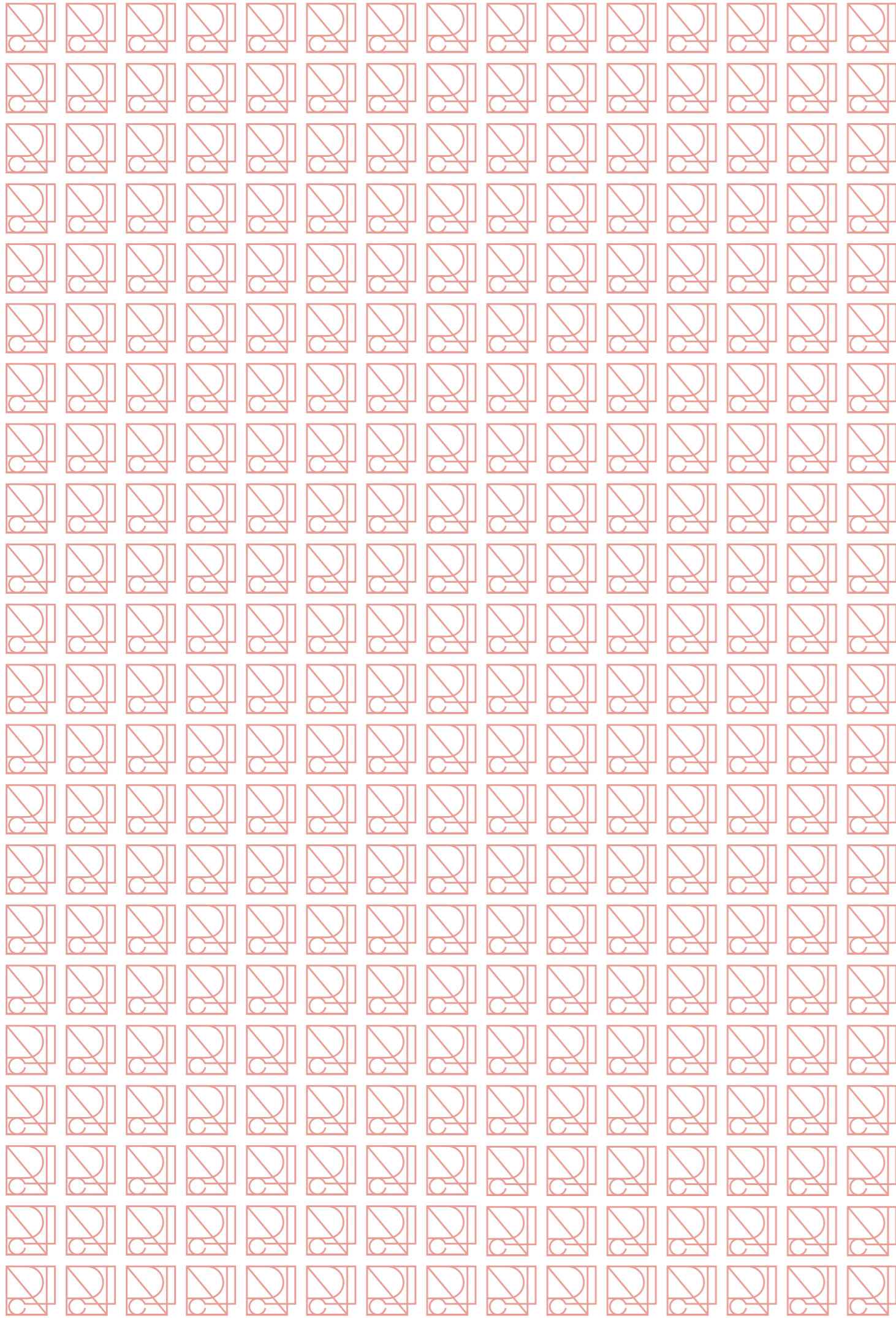
Kazakhstan - Almaty

Marco Salvatore

Area: Architect (partner).

Collaboration: since 2014.

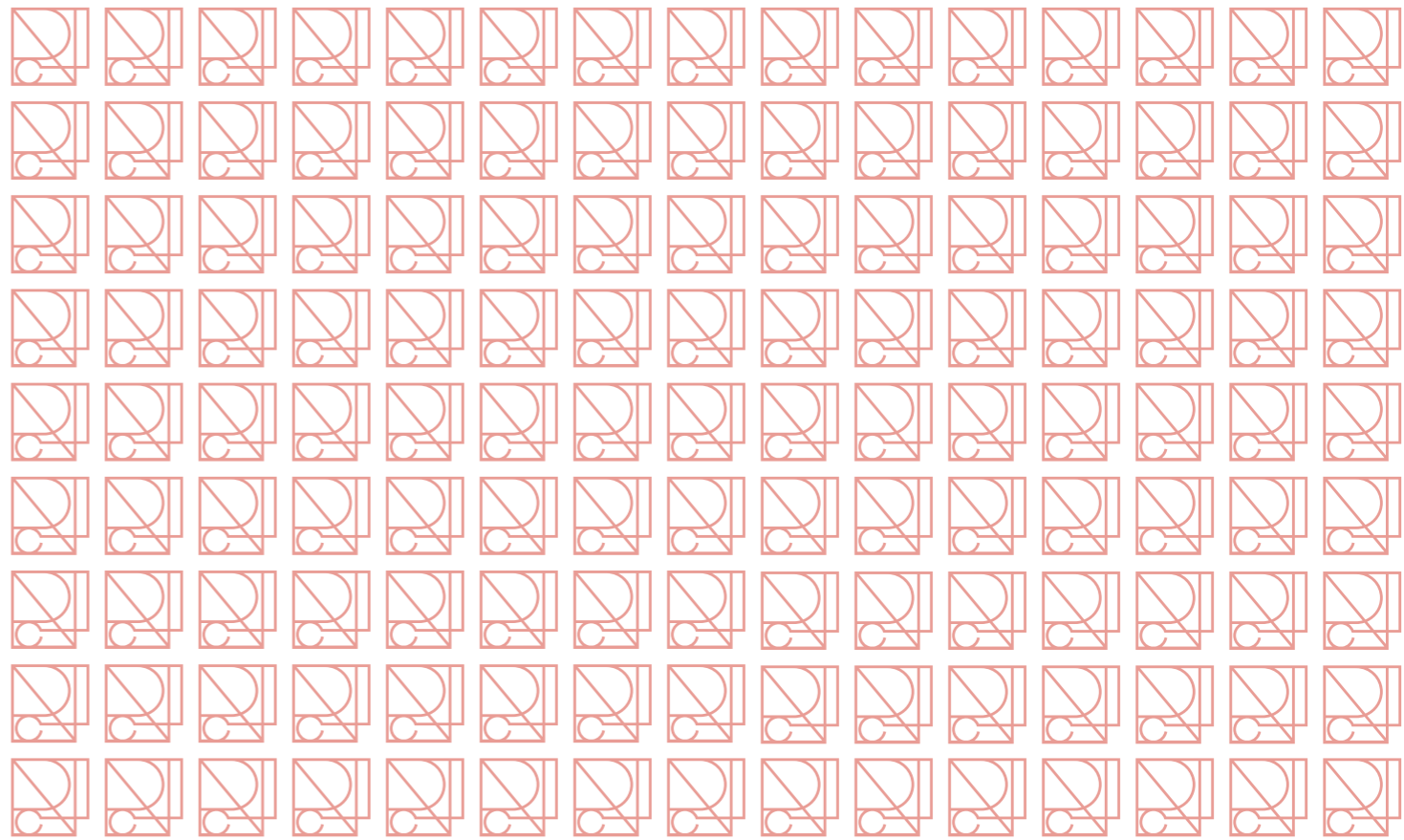
Responsible technician: Marco Salvatore, Architect.

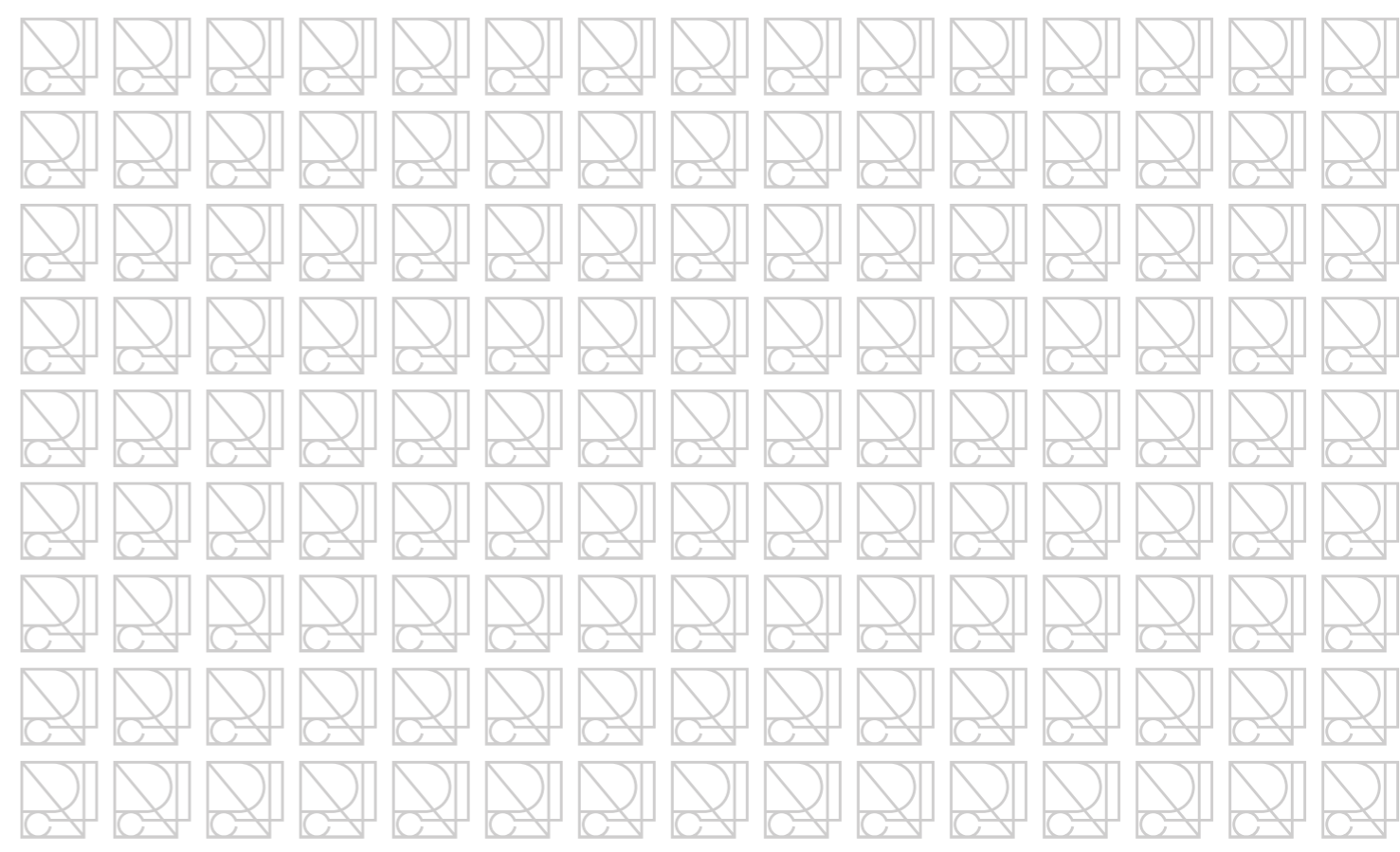
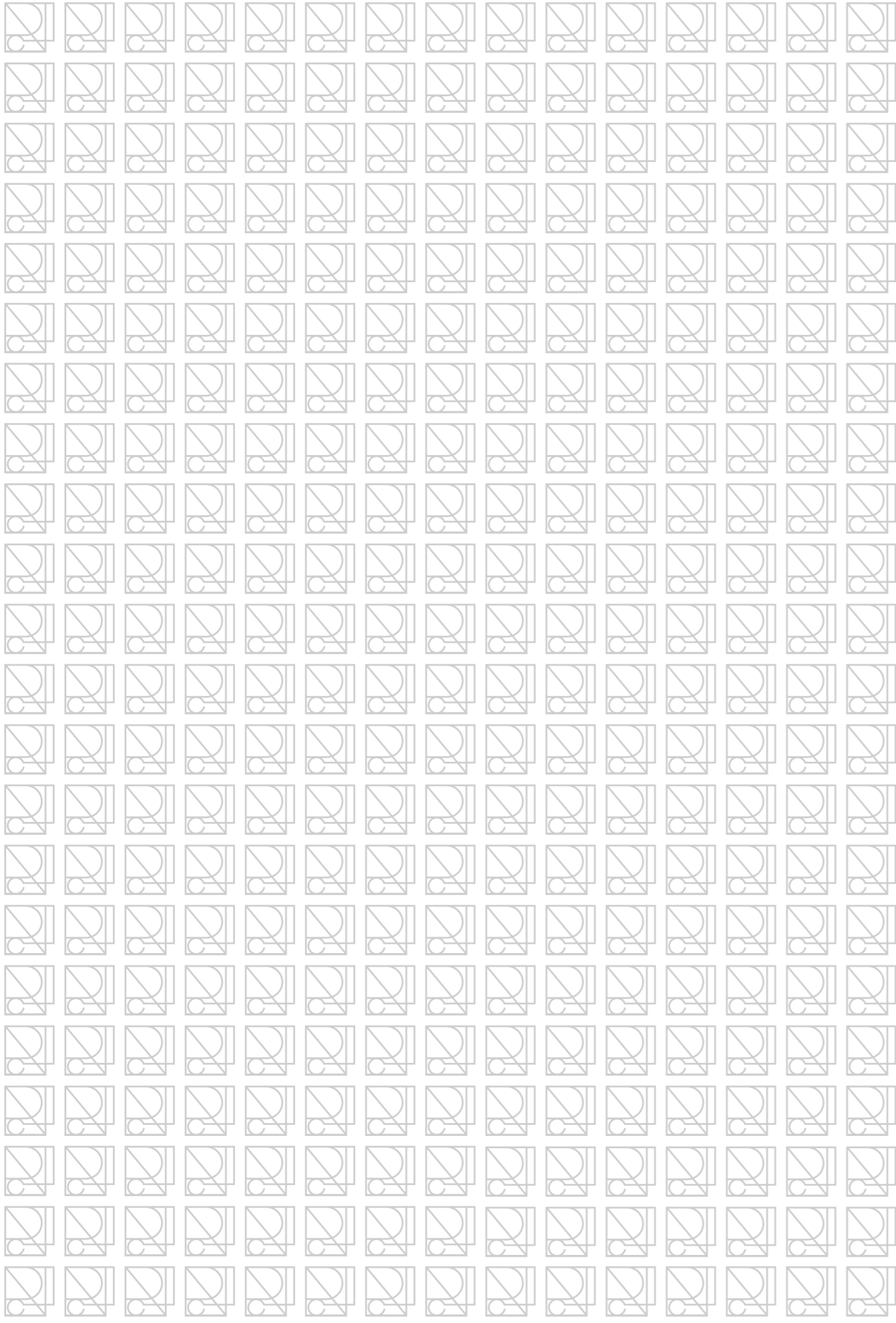


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## MAIN PROJECTS AND WORKS

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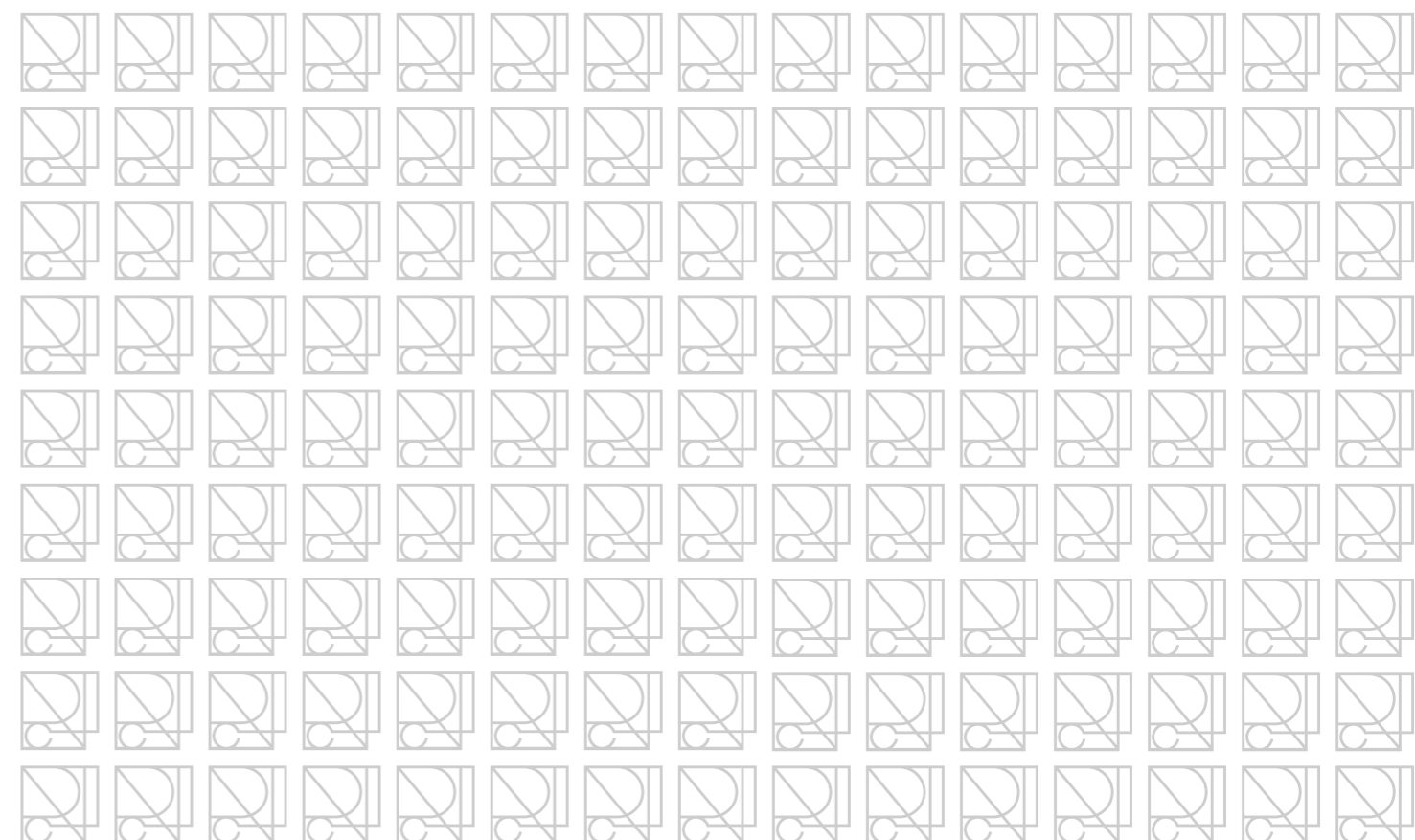




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## HOUSING - PRIVATE DEVELOPMENT

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HOUSING - PRIVATE DEVELOPMENT

- Experience in projects and studies
- Experience in construction management
- Experience in works management
- Experience in rehabilitation works
- BIM experience

Block of apartments "Metrovacesa". Sant Adrià del Besós. 2021



Private development.  
New construction.  
Volume of work: 5.460,48 m².



High-end housing and offices "Casas Betania". Barcelona. Under construction



Private development.  
New construction.  
Volume of work: 1.991,01 m².  
Construction cost (PEM): 2.739.106,29 €.



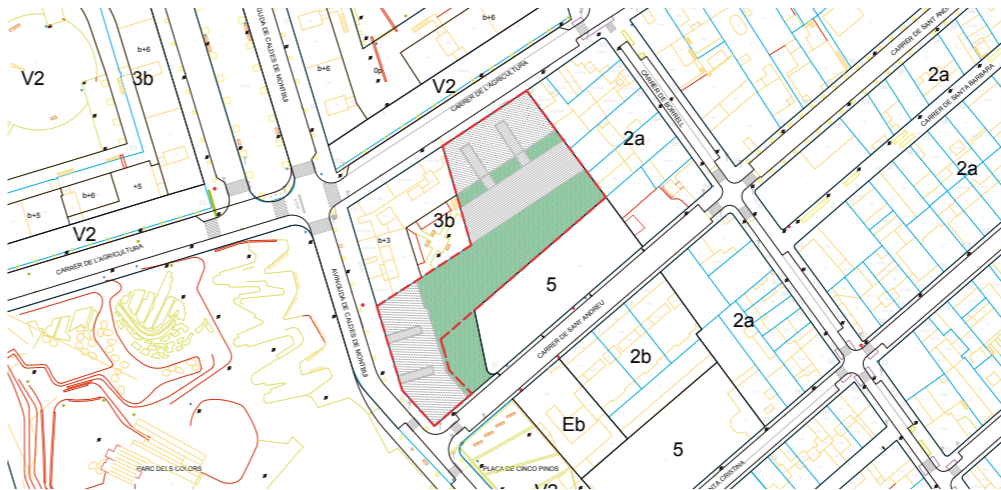
Multi-family building Carretera de Barcelona, 287. Sabadell. 2020



Private development.  
Developer: Neinor Homes.  
New construction 69 dwellings.  
Gross floor area: 11,723.84 m².  
Construction cost (PEM): 8.350.618,29 €.  
First Prize restricted competition.  
Energy rating A.  
Environmental assessment BREEAM Good.



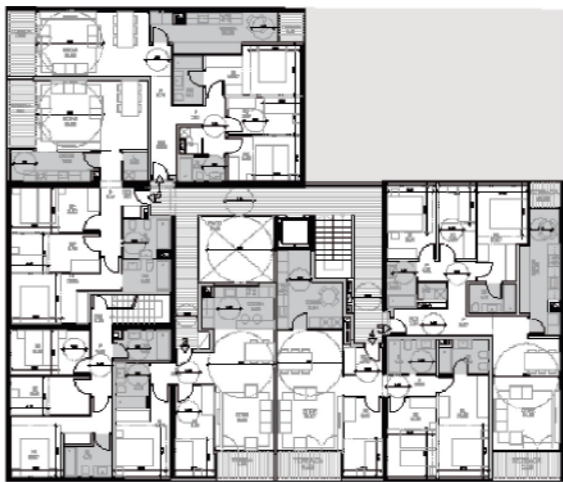
Multi-family building Calle Agricultura, 31-33. Mollet del Vallès. Basic and executive project 2020



Private development.  
Developers: Solvia.  
New building 42 dwellings.  
Volume of work: 7.832,56 m².  
Construction cost (PEM): 4.115.200 €.  
Project developed from industrialized systems.



Multi-family building Avenida Gaudí, 17. Mollet del Vallès. Basic and executive project 2020



Private development.  
Developer: Solvia.  
New construction 21 dwellings.  
Volume of work: 4.492,82 m².  
Construction cost (PEM): 2.377.633 €.  
Project developed from industrialized systems.



Multi-family residence cumbre alegre. Monterrey, México. Under construction 2018



Private development.  
Developer: Inversiones Capital.  
New construction of 192 dwellings.  
Volume of work: 22.717,37 m².  
Construction cost (PEM): 7.000.000 €.  
Project developed from the GREEN evaluation criteria (GBCe).



- Experience in projects and studies
- Experience in construction management
- Experience in works management
- Experience in rehabilitation works
- BIM experience

**Multi-family building Calle Pintor Alsamora, 33-37. Barcelona. 2017**



Private development.  
Developer: Neinor Homes.  
New construction 34 dwellings.  
Gross floor area: 6,337.90 m².  
Construction cost (PEM): 2.499.880,67 €.  
First Prize restricted competition.  
Energy rating A.  
Environmental assessment BREEAM Good.



**Block of apartments. Sant Cugat del Vallès. 2016**



Private development.  
Developer: ALTAMIRA. ACR delegated promotion.  
New construction of 20 dwellings.  
Gross floor area: 3,010 m².  
Construction cost (PEM): 1.929.257 €.  
Energy Certification Rating B.  
Project developed from the GREEN evaluation criteria (GBCe).



**Block of apartments Carrer Pau Alcover. Barcelona. 2014**



Private development.  
New construction 10 dwellings.  
Gross floor area: 1,770 m².  
Construction cost (PEM): 2.198.673 €.  
Energy Certification Rating A  
Homes with remote management and control system of the installations (KNX).  
Industrialized construction with mixed systems.  
Project developed with GREEN evaluation criteria (GBCe).



○ Experience in projects and studies

● Experience in construction management

● Experience in works management

○ Experience in rehabilitation works

● BIM experience

**“Casa Fuentes”. Public-private development old case of Toledo. Toledo. 2013**



Public-private promotion with the collaboration of the Consorcio del Casco Antiguo de Toledo.  
Rehabilitation.  
Housing prototype for the old town center with sustainability criteria.  
Volume of work: 376 m².

Cost of work (PEM): 524,399.66 €.  
Monitoring and tracking of energy performance: KNX protocol.  
Project developed from the GREEN evaluation criteria (GBCe).



**“Casa Pomaret”. Collserola. Barcelona. 2012**



Private development.  
New construction.  
Volume of work: 538 m².  
Construction cost (PEM): 365,591.99 €.

Homes with remote management and control system of the installations (KNX).  
Energy Certification Rating B.



○ Experience in projects and studies

● Experience in construction management

● Experience in works management

○ Experience in rehabilitation works

● BIM experience

**Rehabilitation of a residential building “Valencia - Eixample”.** Barcelona. 2010



Private development.  
Developer: ICASA, INMOBILIARIA.  
Refurbishment.  
Complete refurbishment and conversion of offices into rental housing. Structural, functional and installation supervision project.  
Volume of work: 1,601.21 m².  
Cost of work (PEM): 493,515.34 Euros.



**Block of apartments.** Mataró, Barcelona. 2008



Private development.  
Developer: COPCISA INMOBILIARIA.  
Special Plan and Building.  
New construction 100 dwellings.  
Volume of work: 8,254 sq. mts. hab. 5,572 sq. mts. pk.  
Construction cost (PEM): 7.535.970 €.



**Block of apartments Rubí.** Rubí, Barcelona. 2008



Developer: ONCISA.  
Special Plan and Building. New construction of 60 dwellings.  
1ST PHASE  
Volume of work: 8.356,00 m² above ground level.  
Cost of work (PEM): 3.665.491,84 €.  
2ND PHASE  
Volume of work: 8.308,66 m² above ground level.  
Cost of work (PEM): 5.400.000 €.  
Energy Certification Rating B.



**Single-family house prototypes house “Kyoto”.** Torresserona. 2009



Private development.  
Developer: PMP Developments.  
New construction.  
Volume of work: 318 m².  
Cost of work (PEM): 320.000,00 Euros.  
Energy certification qualification A.  
Fully industrialized building.



**Housing “Abelló i Rufí.”** Terrassa, Barcelona. 2004



Private Development.  
Developer: ICASA, INMOBILIARIA.  
Housing and semi-public space in the center of the block.  
New building 60 dwellings, 3 commercial premises and 64 parking spaces.  
Volume of work: 9,524.26 m² building.  
Cost of work (PEM): 3.205.312,00 Euros.



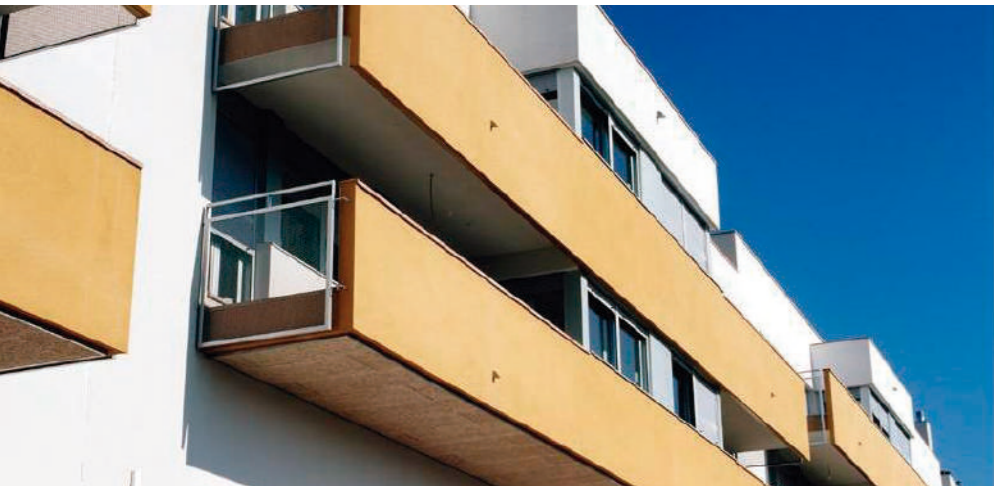
**Housing “Pau Clarís” Eixample.** Barcelona. 2004



Private development.  
Developer: ICASA, INMOBILIARIA.  
Rental housing and public space in the center of the block.  
New construction 32 dwellings. 1 office space.  
Volume of work: 9,113.78 m<sup>2</sup> building.  
1,700 m<sup>2</sup> commercial space.  
1,700 m<sup>2</sup> public space.  
Construction cost (PEM): 2,548,661.25 Euros.  
Pilot project with GREEN evaluation seal.



**Housing “Avenida Madrid”.** Terrassa, Barcelona. 2004



Private development.  
Developer: LEVEL.  
Housing and semi-public space in the center of the block. New construction of 69 dwellings, 3 commercial premises and 88 parking spaces.  
Volume of work: 10,347.36 m<sup>2</sup> building.  
Construction cost (PEM): 4.726.059,29 Euros.



**Block of apartments.** Granollers, Barcelona. 2002



Private development.  
Developer: ICASA, INMOBILIARIA.  
Housing and public space in the center of the block.  
Volume of work: 7,783 m<sup>2</sup> housing. 2,476 m<sup>2</sup> pk.  
2,015 m<sup>2</sup> commercial space  
2,515 m<sup>2</sup> public space.  
Cost of work (PEM): 2.712.523 Euros.



○ Experience in projects and studies

● Experience in construction management

● Experience in works management

○ Experience in rehabilitation works

● BIM experience

**Housing between party walls.** Eixample, Barcelona. 2000



Private development.  
Developer: ESPAIS PROMOTORA.  
Free housing.  
New construction 10 dwellings.  
Volume of work: 3.225 m<sup>2</sup>.  
Cost of work (PEM): 1.268.131,25 Euros.



**Row housing “Cala Tamarit”.** Cala Tamarit, Tarragona. 2000-2011



Planning, urbanization project and projects.  
Private development.  
Developer: ICASA.  
Development of row housing on the islands M8 (21 dwellings) - M9 (10 dwellings) - M10 (15 dwellings) - M12-M13 (33 dwellings) - M14 (37 dwellings) - M17 (18 dwellings) - M20 (16 dwellings).  
Development of single-family homes on the island M23.



**Block of apartments.** Sabadell, Barcelona. 1998



Private development.  
Developer: FINIBA, S.L.  
Rental housing.  
Volume of work: 10,126 m<sup>2</sup>.  
Construction cost (PEM): 3.800.572,05 Euros.



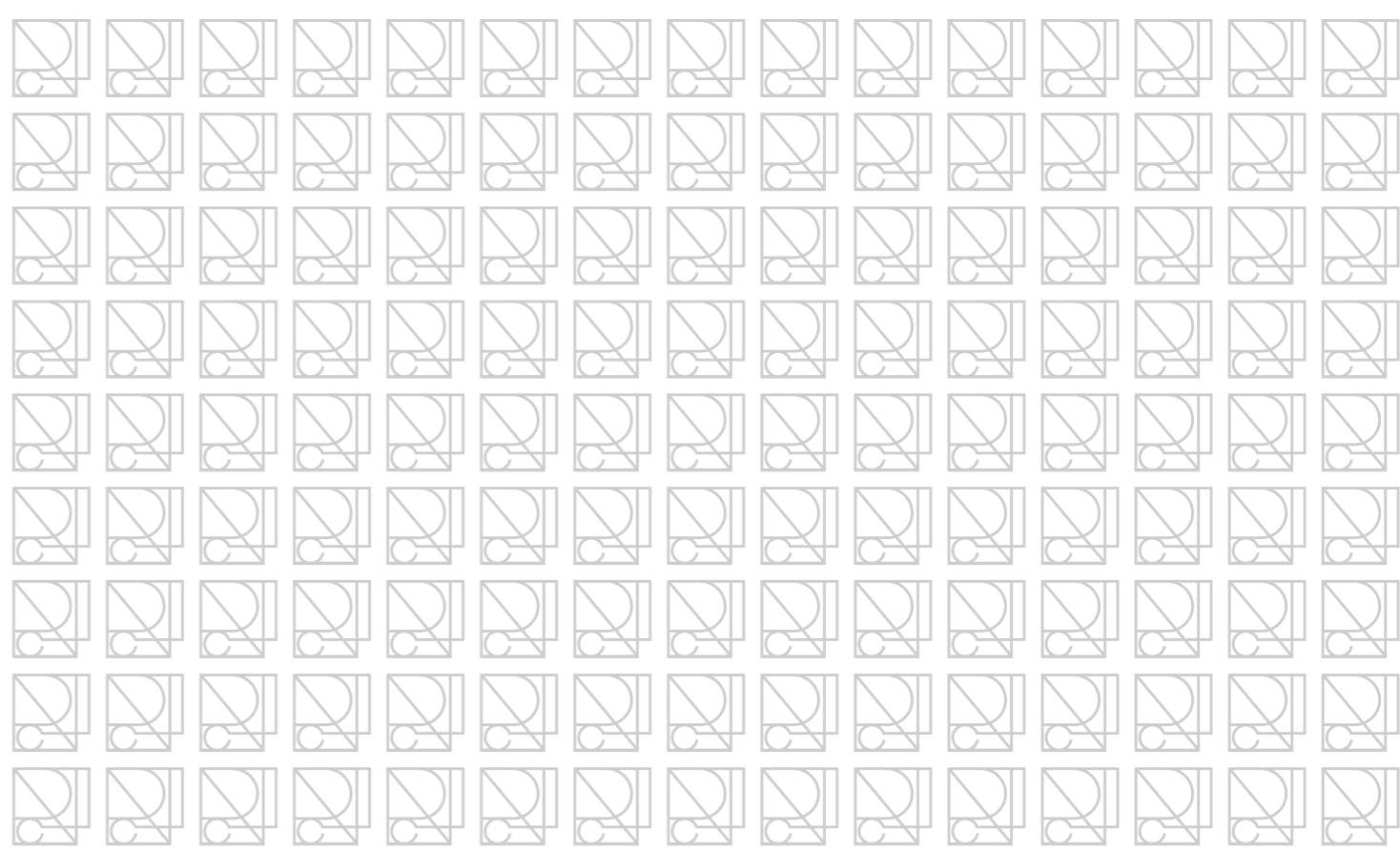
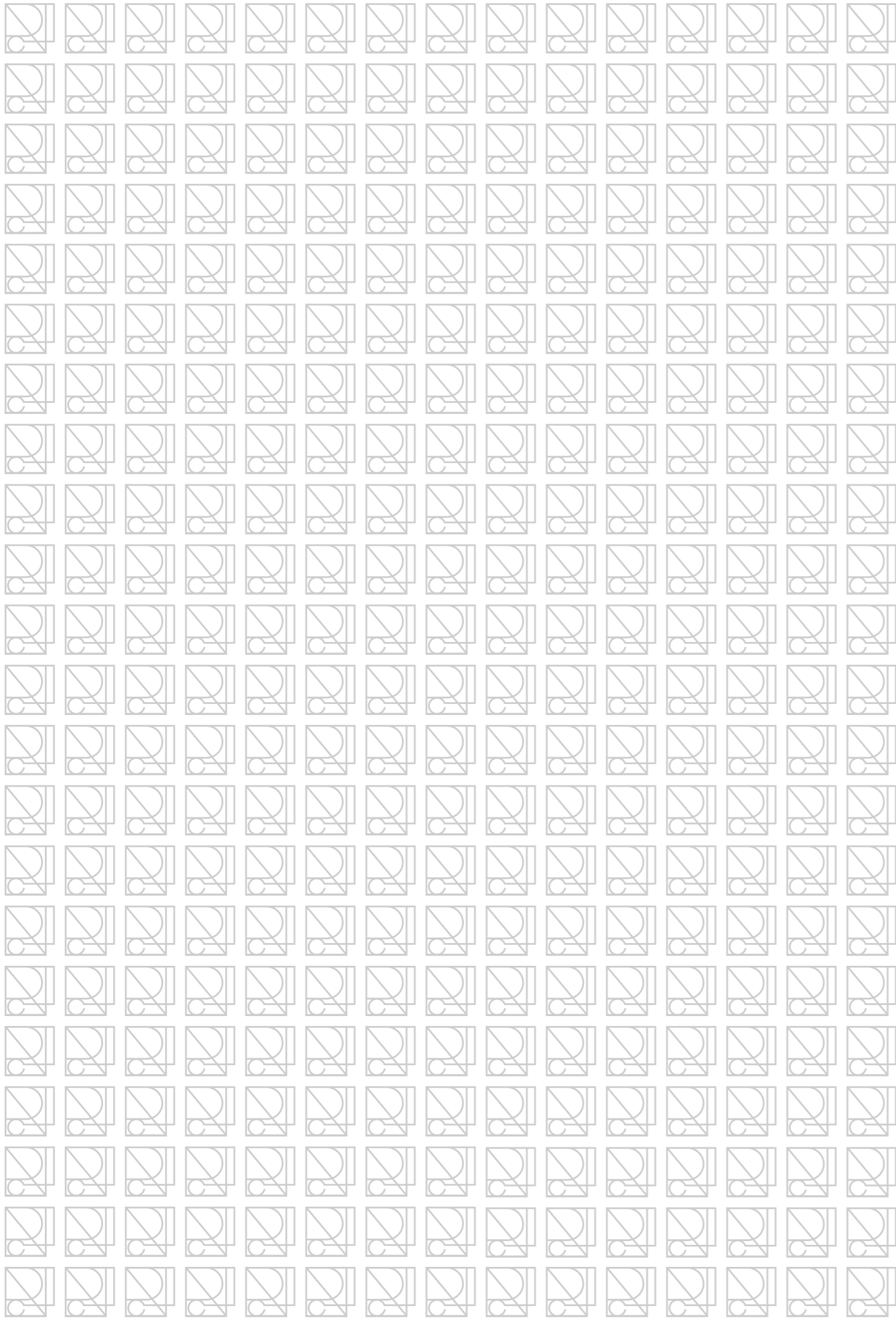
○ Experience in projects and studies

● Experience in construction management

● Experience in works management

○ Experience in rehabilitation works

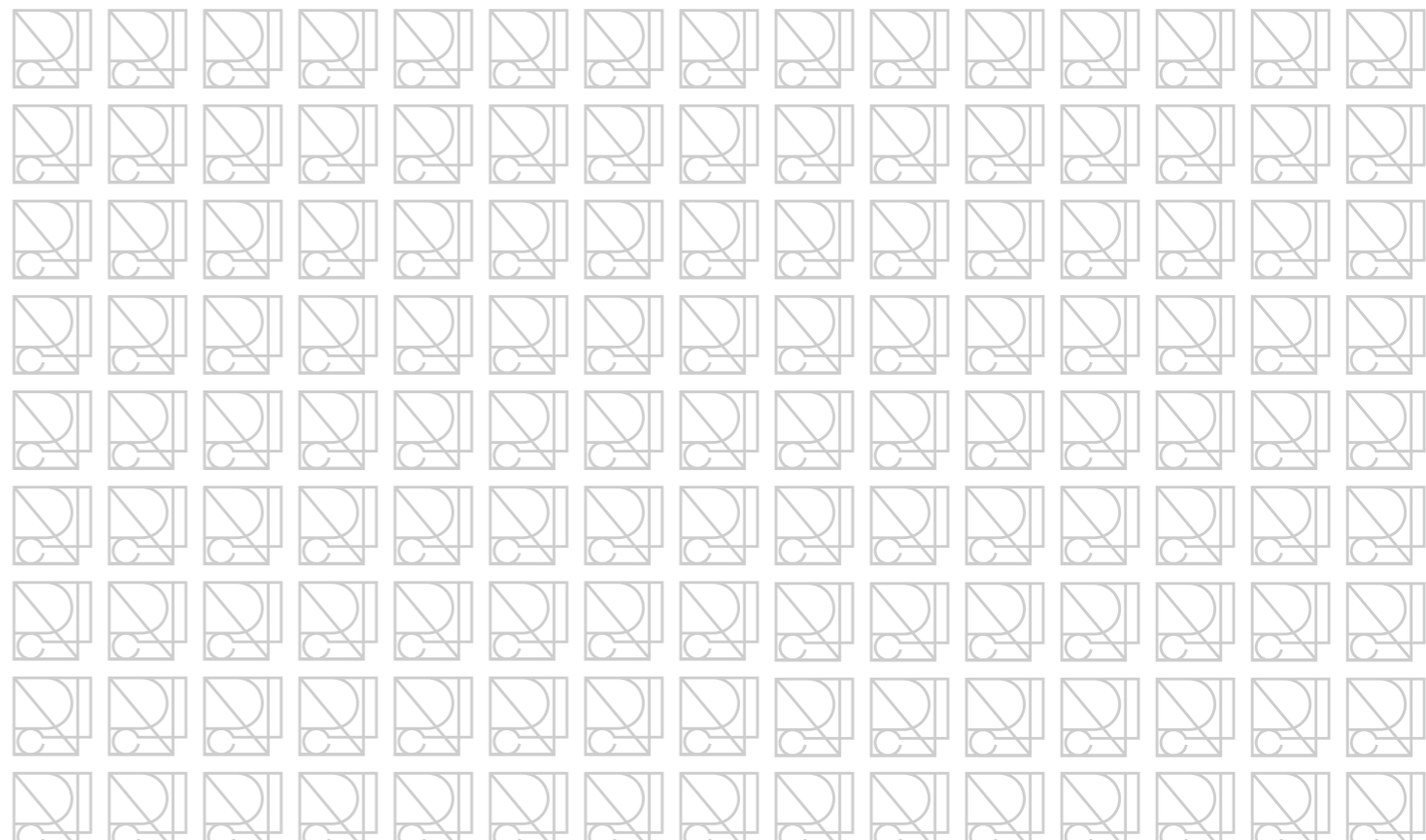
● BIM experience



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## SOCIAL HOUSING - PRIVATE DEVELOPMENT

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## SOCIAL HOUSING - PRIVATE DEVELOPMENT

- Experience in projects and studies    ● Experience in construction management    ● Experience in works management  
○ Experience in rehabilitation works    ● BIM experience

### **Aram - social housing.** Gavá. 2014



Private promotion.  
Developer: ARAM Foundation.  
New construction of 30 dwellings.  
Volume of work: 3,502 m².  
Construction cost (PEM): 1,966,090.05 Euros.  
Housing with remote management and control system of the installations (KNX).  
Project developed according to VERDE evaluation criteria (GBCe).  
Energy certification rating B.  
Homes with remote management systems.



### **Social housing block “Santa Madrona”.** Barcelona. 2013



Private promotion.  
Developer: OBRA SOCIAL “LA CAIXA”.  
New construction 62 dwellings. Nursery.  
Volume of work: 4.430 m².  
Cost of work (PEM): 2.969.327,00 Euros.  
Energy Certification qualification B.  
First prize in restricted project competition.  
Project developed based on GREEN evaluation criteria (GBCe).



### **Social and single-family housing blocks.** Vilamallà. 2011



Private promotion.  
Developer: FUNDACIÓN ARAM.  
New construction of a multi-family building (8 dwellings) and single-family dwellings (6 dwellings).  
Scope of work: 1,240 m² (multi-family building);  
850 m² (single-family dwellings).  
Cost of work (PEM): 1,180,000.00 Euros.



### **Social housing block.** Sitges, Barcelona. 2010



Private promotion.  
Developer: OBRA SOCIAL “LA CAIXA”.  
New construction. 124 dwellings.  
Volume of work: 12.826,35 m².  
Cost of work (PEM): 7.595.588,44 Euros.  
First prize in restricted project competition.



### **Housing Mas Lluhi.** Sant Feliu de Llobregat, Barcelona. 2001



Private promotion.  
Developer: INMOBILIARIA COLONIAL.  
4 blocks of apartments. 92 dwellings.  
Volume of work: 15,001.98 m².  
Cost of work (PEM): 948,000,000 Pts. (5,697,594.75 Euros).  
First Prize restricted competition.



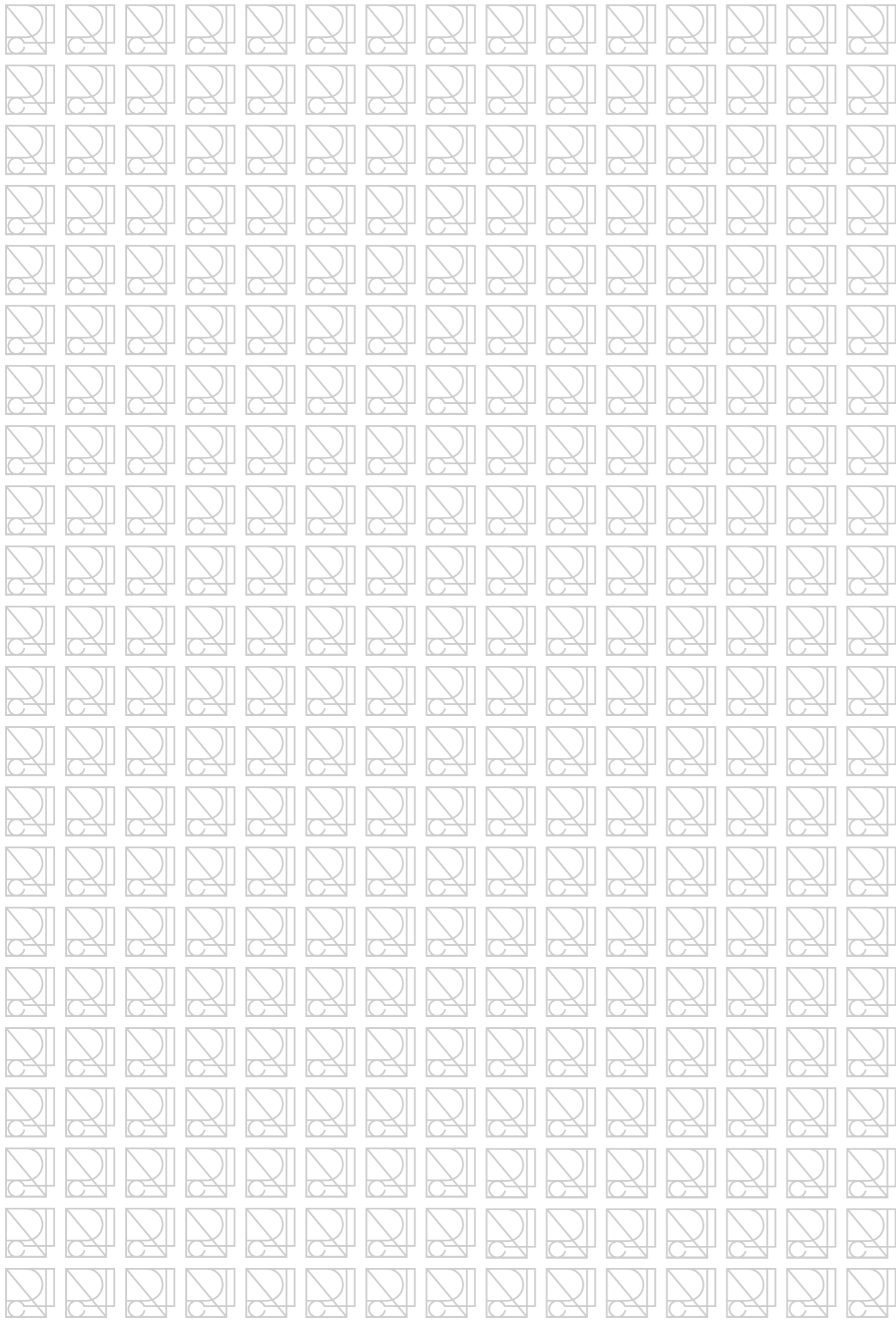
### **Housing “Illa de l'Aigua”.** Terrassa, Barcelona. 2001



Private promotion.  
Developer: ICASA, INMOBILIARIA.  
Officially protected housing.  
Volume of work: 28,000 m².  
Construction cost (PEM): 6.032.486 Euros.



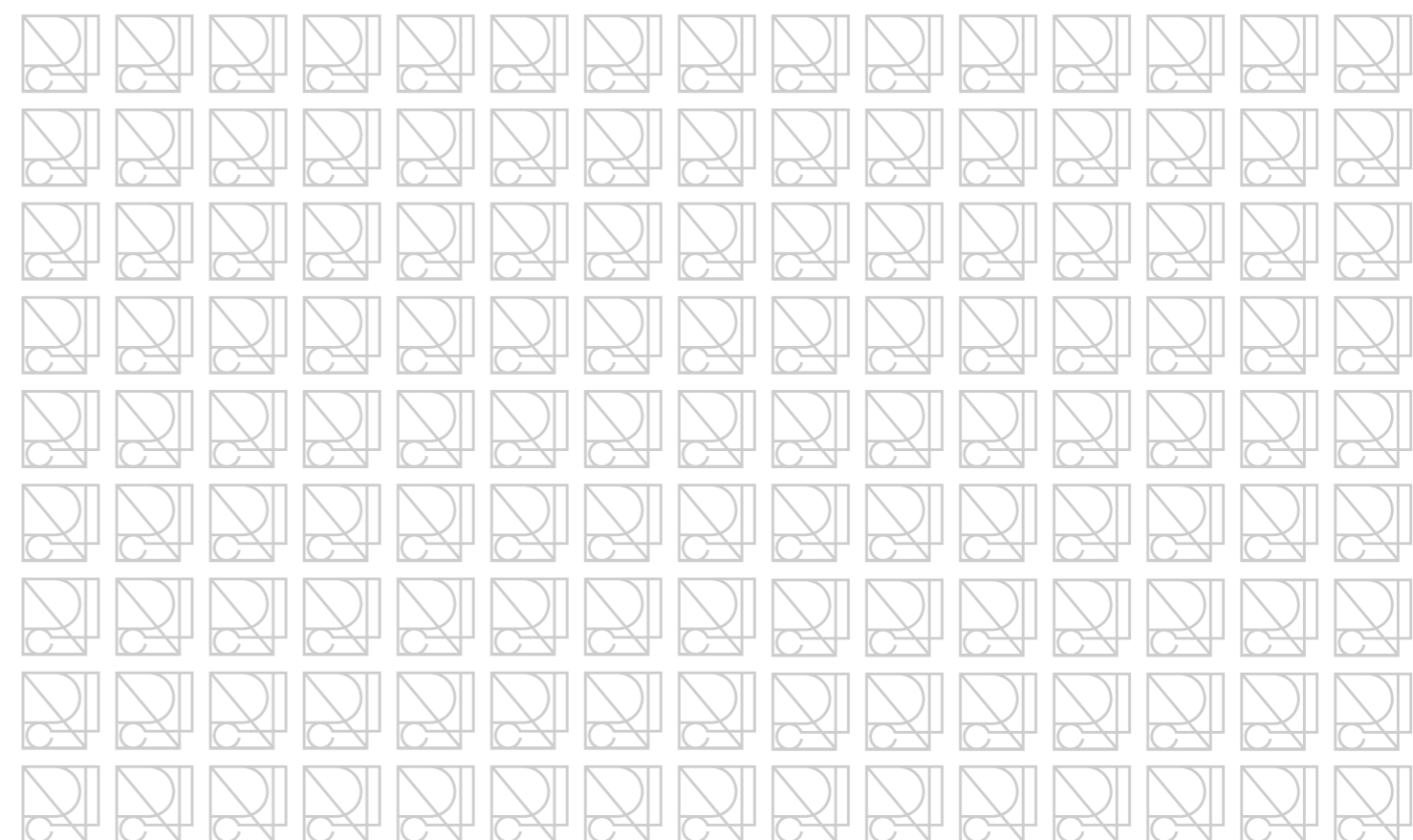
- Experience in projects and studies    ● Experience in construction management    ● Experience in works management  
○ Experience in rehabilitation works    ● BIM experience



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## SERVICES BUILDING PRIVATE DEVELOPMENT

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SERVICES BUILDING - PRIVATE DEVELOPMENT

- Experience in projects and studies
- Experience in construction management
- Experience in works management
- Experience in rehabilitation works
- BIM experience

Office park “Bali”. Viladecans. Basic project 2020



Private development.  
Developer: Bali  
New construction.  
Scope of work: Total: 26,667.87 sq. mts.  
Phase 1: 13,340,72 m².  
Phase 2: 13,327.15 m².  
Park: 13,283 m².  
Construction cost (PEM): Phase 1:  
15.213.456 €.  
Park cost: 1.415.070 €.

Complete refurbishment “Edificio Pere IV, 86”. 22@ Innovation District. Barcelona. 2020-2021



Private development.  
Integral refurbishment with change of use  
from industrial to offices.  
Scope of work: 3,535 m².  
Interior + 657 m² sup. patios and terraces.  
Cost of the works: 3.2M€ PEC

OUM wellness equipment at Aboleda San Pedro Garza. México. Under construction



Private development.  
Developer: Capital Natural.  
Wellness Center.  
New building.  
Volume of work: 13,701.62 m².  
Cost of work (PEM): 6.000.000 €.  
Project developed from NZEB and  
WELLBEING evaluation.



New research institute for the Sant Pau Hospital. Barcelona. 2018



Private development.  
Developer: Fundació Hospital de la Santa  
Creu i Sant Pau.  
New building for the Sant Pau Biomedical  
Research Institute.  
Scope of work: 9,705 m².  
Cost of work (PEM): 13.812.000 €.  
First prize in restricted project competition.  
LEED Gold.



“Sócrates-Industrial 4.0” Building. Agora Bussiness Park. Viladecans, Barcelona. 2020



Private development.  
Developer: GONSI.  
Multipurpose industrial and office building.  
New construction.  
Volume of work: 6.265,04 m².  
Cost of work (PEM): 3.569.237 €.  
LEAN methodology. IPD Contract  
Project developed under Circular Economy  
and Cradle to Cradle criteria.  
LEED Gold.



Complete renovation of industrial area in offices. 2019



Private development.  
Integral rehabilitation.  
Useful rehabilitated surface: 673,72 m².

- Experience in projects and studies
- Experience in construction management
- Experience in works management
- Experience in rehabilitation works
- BIM experience

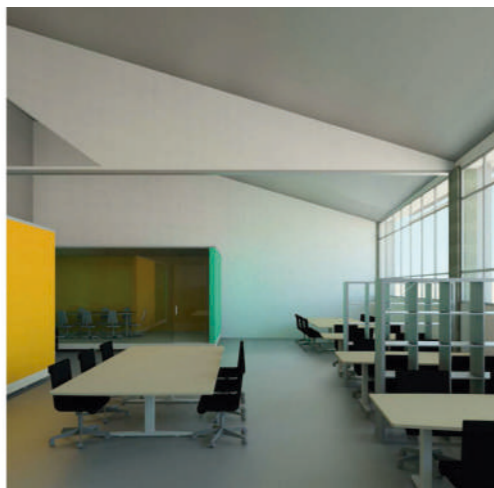
**Cadaqués Hotel.** Cadaqués. Basic project. Under development. Execution project



Private development.  
Developer: Hotel Rocamar Cadaqués S.L.  
New 5-star hotel in Cadaqués.  
Volume of work: 10,000 m².  
Cost of work (PEM): 10.000.000 €.  
Project developed from the VERDE evaluation criteria (GBCe).



**Office refurbishment Gonsi S.L.** Hospitalet de Llobregat



Private development.  
Developer: GONSI S.L.  
Refurbishment: refurbishment and division in two of an unused fourth floor premises.  
Scope of work: 450 m².  
Cost of work (PEM): 330,000 €.  
Project developed from the VERDE evaluation criteria (GBCe).



**Aura Seguros Offices.** Santa Coloma de Gramenet. 2016



Private development.  
Developer: Aura Seguros.  
Structural reform (structure and stairwells).  
Functional reform. Integral reform of the building envelope.  
Volume of work: 1,200 m².  
Cost of work (PEM): 972,000 €.  
First prize in the curricular contest and bid.  
Energy certification qualification A.  
Project developed from the VERDE evaluation criteria (GBCe).



○ Experience in projects and studies

● Experience in construction management

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○ Experience in rehabilitation works

● BIM experience

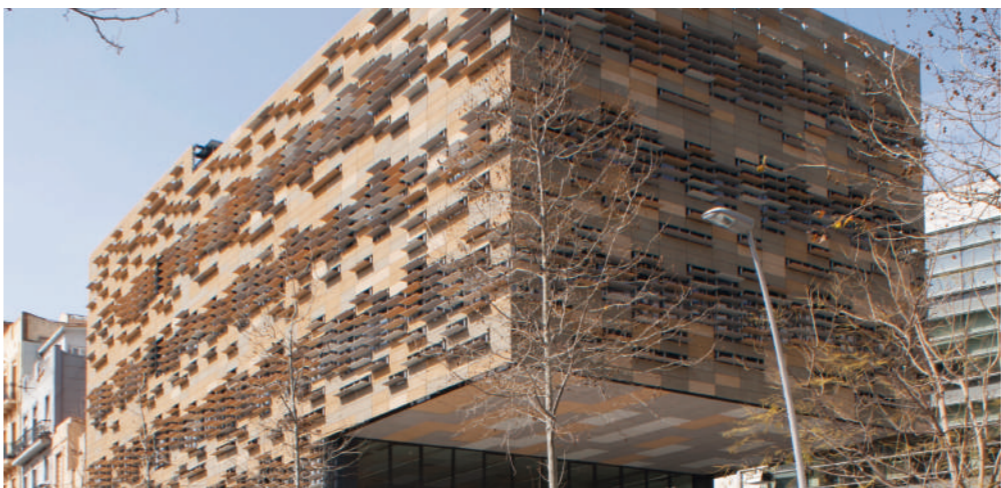
**Olesa Refurbishment.** Olesa de Montserrat. 2016



Private development.  
Developer: Unitex S.A.  
Refurbishment: conversion of part of the textile factory into offices.  
Scope of work: 1200 m².  
Cost of work (PEM): 1.052.000 €.  
Project developed based on VERDE evaluation criteria (GBCe).



**Research Institute Leitat.** Lleida. 2014



Private development.  
Developer: LEITAT Foundation.  
New construction.  
Gross floor area: 4,468.28 m².  
Cost of work (PEM): 5.250.000 €.  
First Prize restricted project competition.  
VERDE evaluation seal. Rating: 4 sheets.



**Expo 2014.** Qindao, China. 2014



Private development.  
New construction.  
Gross floor area: 1,450 m².  
Construction cost (PEM): 4.111.130,00 €.



○ Experience in projects and studies

● Experience in construction management

● Experience in works management

○ Experience in rehabilitation works

● BIM experience

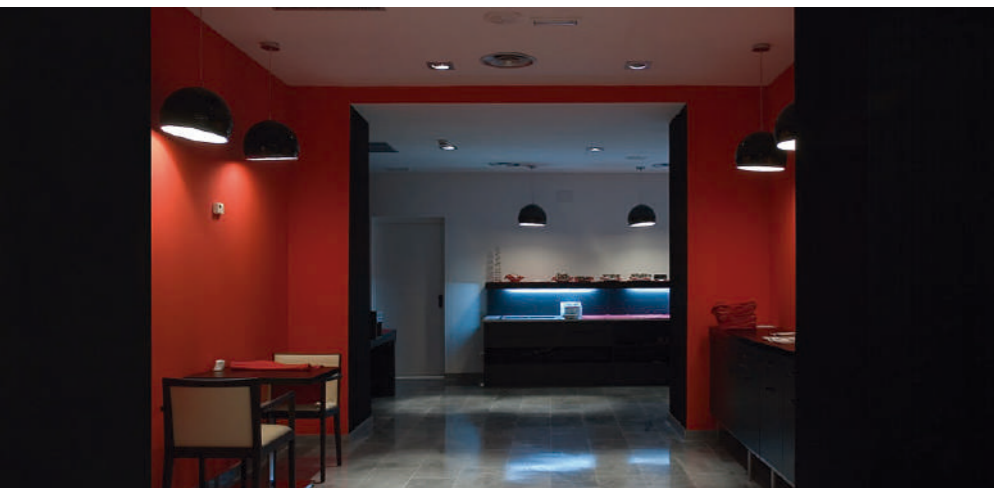
**Aparthotel Eixample, Barcelona. 2011**



Promoción privada.  
Plan Especial y Nueva Edificación.  
Volumen de obra: 1.984,97 m².  
Coste Obra (PEM): 1.703.104,26 €.



**Rehabilitation of a building into a Hotel in the Eixample. Barcelona, 2008**



Private development.  
Developer: HIGH-TECH HOTELS.  
Special Plan and Building. Integral reform.  
Conversion of an office building into a hotel.  
Volume of work: 3,879 m².  
Cost of work (PEM): 1.372.775,33 €.



**Industrial and office building. Sant Just Desvers, Barcelona. 2008**

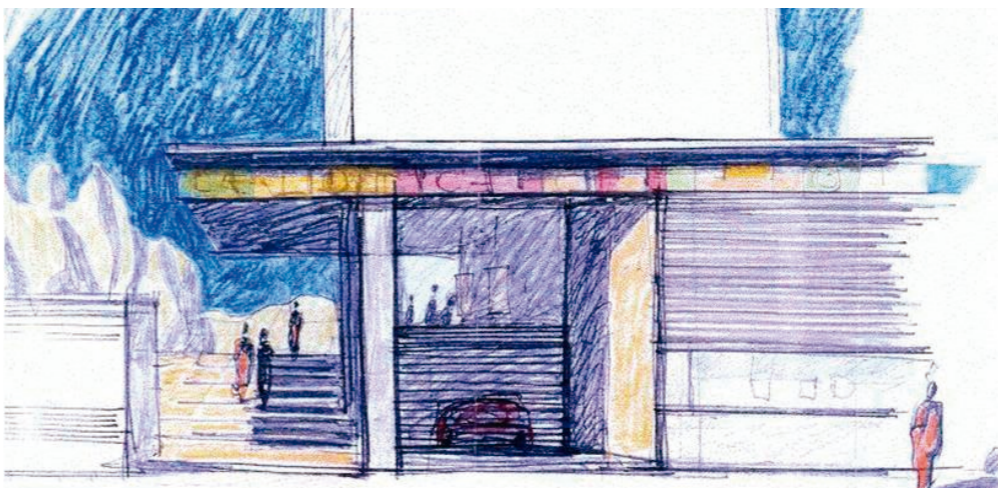


Private development.  
Developer: GONSI S.L.  
Special Plan and New Construction. Mixed-use building. Industrial and offices.  
Volume of work: 5.723 m².  
Construction cost: 2.656.143 €.



○ Experience in projects and studies    ● Experience in construction management    ● Experience in works management  
○ Experience in rehabilitation works    ● BIM experience

**Industrial and office building. Hospitalet de Llobregat, Barcelona. 2008**



Private development.  
Industrial buildings. Offices. Semi-public space in the center of the block.  
Volume of work: 26,327 m²:  
14,252 m² offices  
4,736 m² industrial buildings  
3,544m² public green space  
Construction cost (PEM): 9.803.335 €.



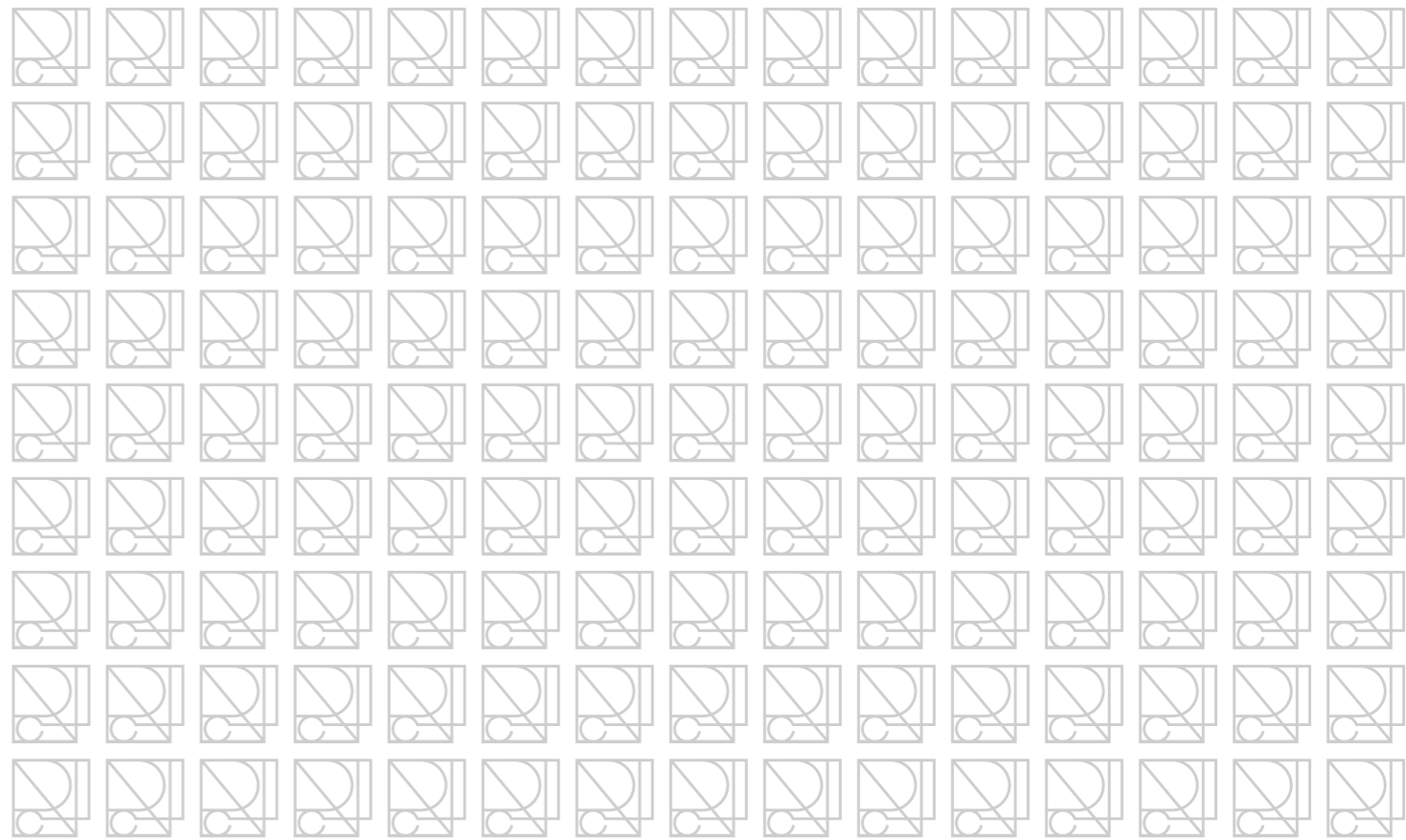
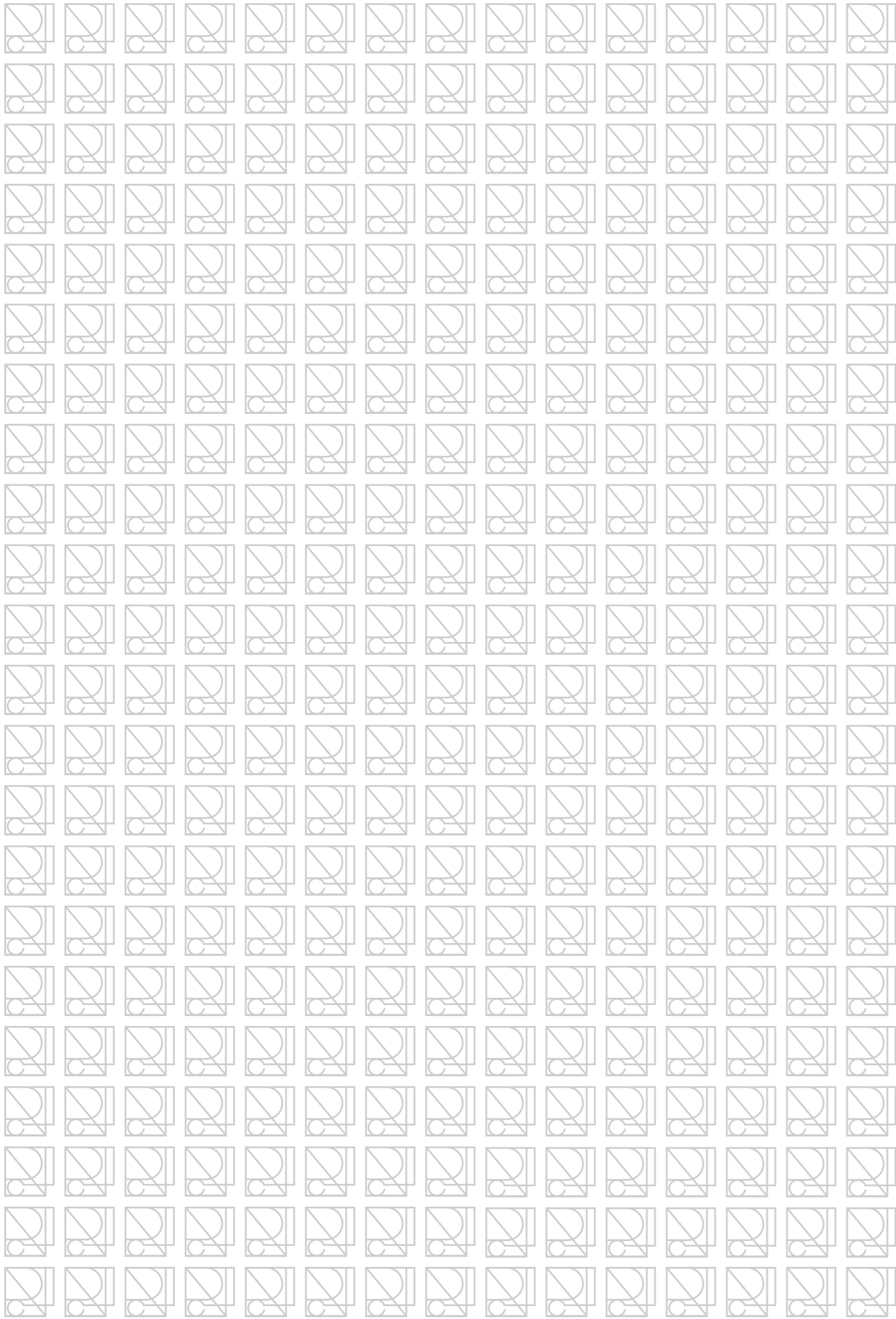
**Integral rehabilitation of an industrial building 22@. Barcelona. 2004**



Private development.  
Integral rehabilitation: transformation of an industrial building into offices.  
Consolidation of the structure. Integral transformation of the envelope. Integral project for office use.  
Volume of work: 4,896.59 m².  
Cost of work (PEM): 1.888.849,00 €.



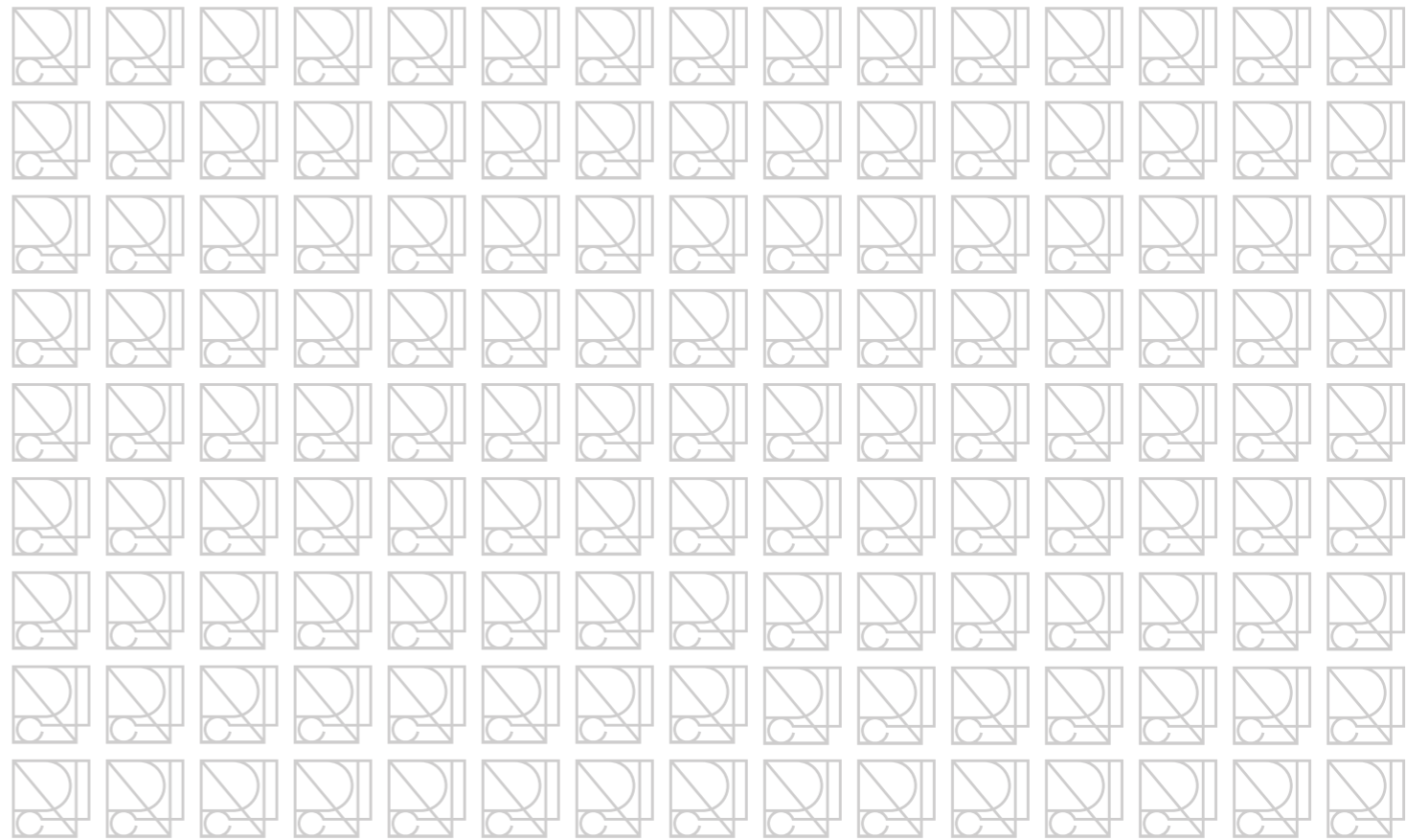
○ Experience in projects and studies    ● Experience in construction management    ● Experience in works management  
○ Experience in rehabilitation works    ● BIM experience



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# SOCIAL HOUSING - PUBLIC PROMOTION

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## SOCIAL HOUSING - PUBLIC PROMOTION

- Experience in projects and studies    ● Experience in construction management    ● Experience in works management  
○ Experience in rehabilitation works    ● BIM experience

### **Block of apartments, Saint Nazaire (44).** France. Under development 2018



Public development.  
Developer: SILENE.  
New construction of 56 social housing units.  
Volume of work: 3988 m².  
Construction cost (PEM): 5.878 M €.  
Expected completion: 2020.  
Project developed under HQE criteria.  
○

### **Block of apartments.** Manresa. 2011



Developer: Parimunicipal company FORUM-MANRESA.  
Housing project. Public space.  
New construction of 96 dwellings.  
Volume of work: 8.504,73 m².  
Cost of work (PEM): 6.443.163,68 €.  
First Prize restricted competition.  
Monitoring and follow-up of the energy component.  
European BECA Project.  
Energy certification qualification B.

### **Block of apartments.** Rennes, France. 2011



Public development.  
Developer: City of Rennes.  
Housing project. Public space.  
New construction 120 dwellings.  
Scope of work: 9,680 m² building.  
Cost of work (PEM): 11.582.761 €.  
First Prize restricted competition.  
○ ●

### **Block of apartments.** Vitoria. 2009



Developer: VISESA.  
Housing project. Public Space. New construction of 156 dwellings.  
Volume of work: 25.293,66 m².  
Cost of work (PEM): 13.403.341,18 €.  
First prize in a restricted competition.  
Research project and parameterization of the resources and energy used in its construction. Visesa grant.  
Industrialized work with concrete systems.  
○ ●

### **Block of apartments.** Gavà. 2008



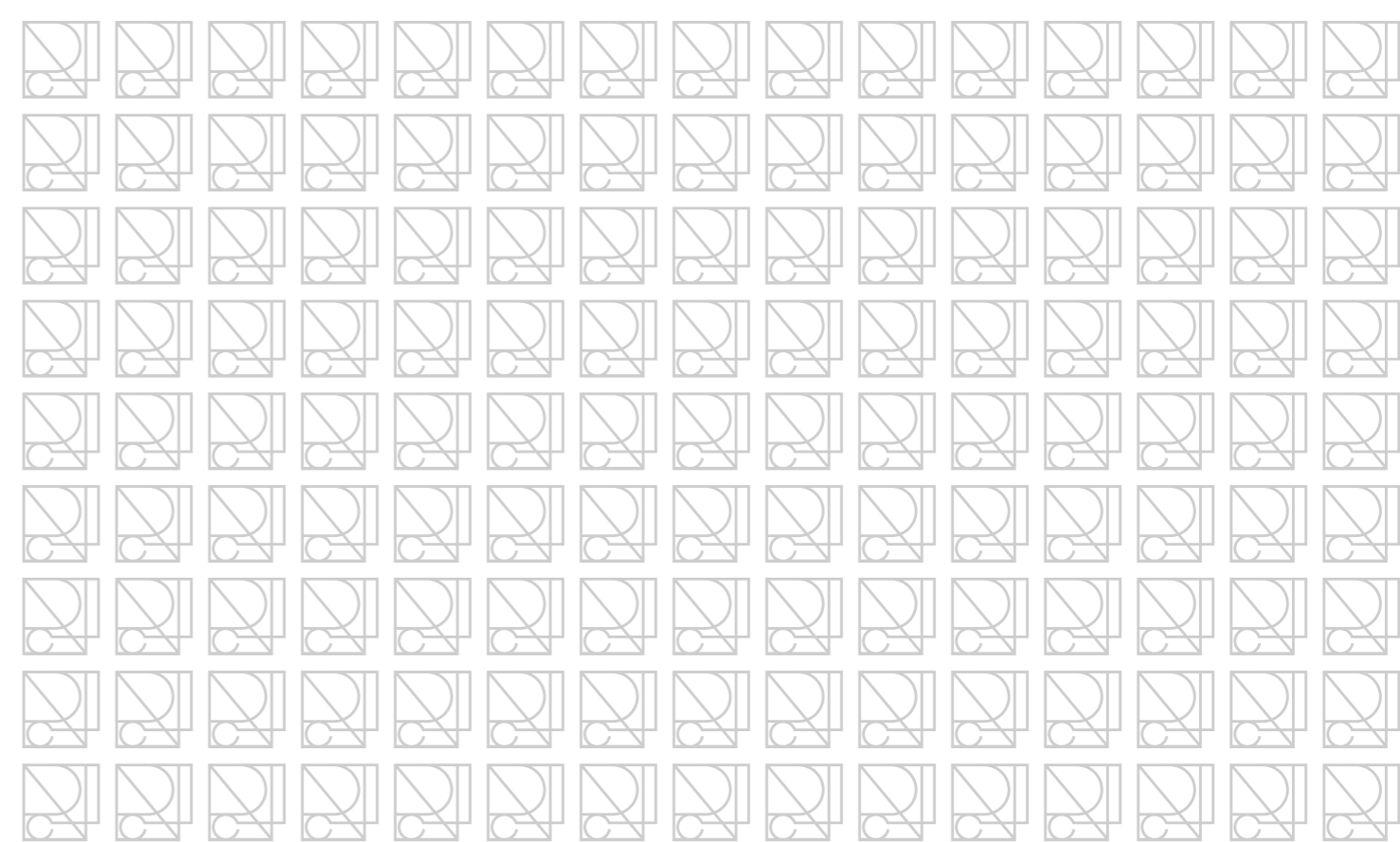
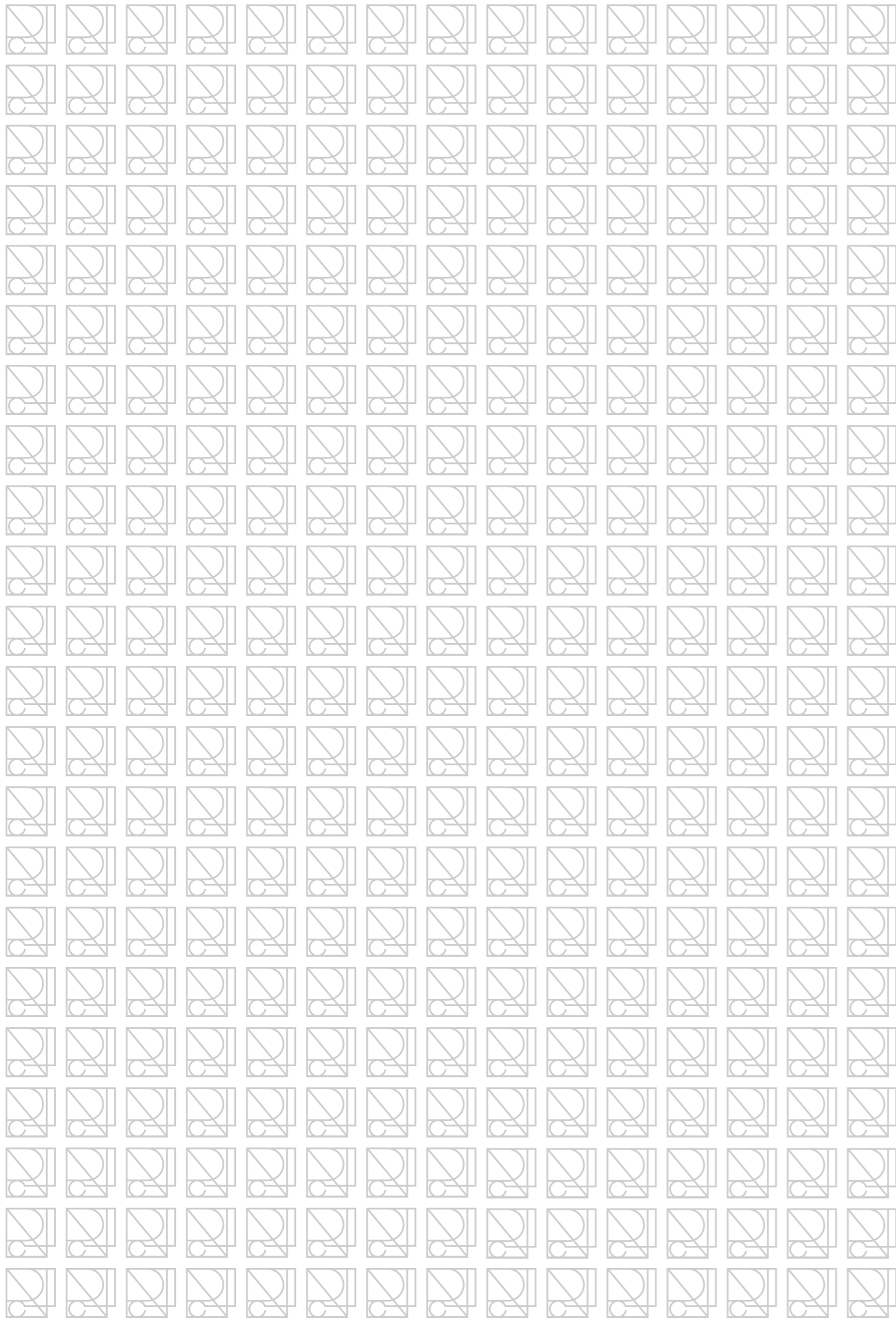
Public development.  
Developer: Sociedad paramunicipal GTI.  
Housing project. Public space.  
New construction of 18 dwellings.  
Volume of work: 4,480 m² building.  
Cost of work (PEM): 3.759.155,60 €.  
First Prize restricted competition.  
○ ● ○

### **Block of apartments “El Polvorín”.** Barcelona. 2005



Public development.  
Promoter: Catalan Land Institute. Generalitat de Catalunya.  
Relocation of families from an old building.  
New construction of 112 dwellings.  
Volume of work: 12,195.28 m².  
Cost of work (PEM): 5.345.351,94 €.  
First Prize in restricted competition.  
Industrialized work with concrete systems.  
○ ●

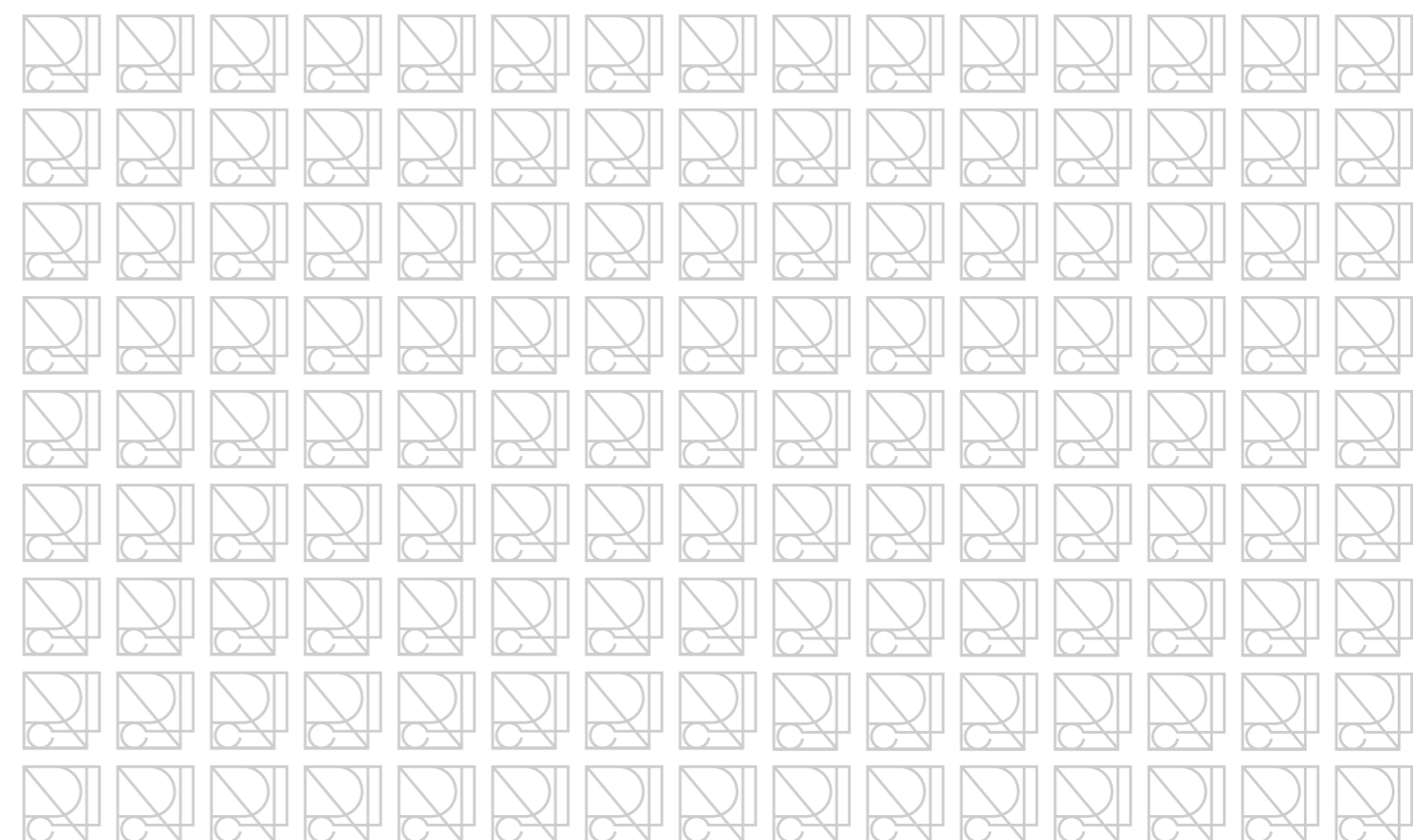
- Experience in projects and studies    ● Experience in construction management    ● Experience in works management  
○ Experience in rehabilitation works    ● BIM experience



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## SERVICES BUILDING PUBLIC PROMOTION

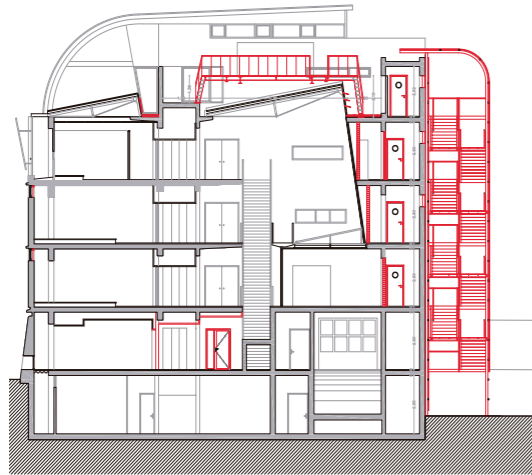
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## SERVICES BUILDING - PUBLIC PROMOTION

- ☐ Experience in projects and studies
 ☒ Experience in construction management
 ☐ Experience in works management  
☐ Experience in rehabilitation works
 ☒ BIM experience

### Rehabilitation of Badalona courthouse. Badalona. Basic project 2017



Public development.  
 Promoter: ISA. "Generalitat de Catalunya".  
 Rehabilitation: constructive improvements, improvements of use and improvements of the facilities.  
 Volume of work: 3,928 m².  
 Cost of work (PEM): 175.665,56 €.  
 Energy Certification: pending.  
 First prize in the curriculum and bidding competition.  
 Project developed from the VERDE evaluation criteria (GBCe).



### Renovation and expansion of the Civic Center "Les Corts-Pere Quart". Barcelona. 2015



Developer: Barcelona City Council.  
 Renovation of the existing floor.  
 Remodeling of a new floor.  
 Integral structural and installations study.  
 Scope of work: 1.020m² (refurbishment) + 970m² (extension).  
 Cost of work (PEM): 1.420.000 €.  
 Energy Certification Rating B.  
 Project evaluated according to the GREEN evaluation criteria (GBCe).  
 Industrialized work with light systems.



### Community center "San Bernabé". Monterrey, Mexico. 2014



Public promotion.  
 Promoter: Ministry of Social Development with the collaboration of CEMEX.  
 New building.  
 Plot area: 58,082 m².  
 Volume of work: 3,137 m².  
 Construction cost (PEM): 4,500,000 €.  
 Building evaluated according to LEED criteria.  
 Project developed from the GREEN evaluation criteria (GBCe).



## Agroalimentary Scientific and Technological Center. Lleida. 2009



Public promotion.  
 Promoter: City Council of Lérida.  
 Rehabilitation and New Building. Project and Architect Direction in joint venture with Josep Mª Puigdemasa.  
 Volume of work: 19.020 m².

Cost of work (PEM): 9.426.208,50 Euros.  
 First Prize Project Competition.  
 Simulation and monitoring systems:  
 Lider, Ecotect, Energy Plus, Design Builder.



### Audiovisual center "Magical". Lleida. 2012



Public promotion.  
 Promoter: City Council of Lérida.  
 Rehabilitation and new building.  
 Project and direction Architect in Temporary Union with Josep Mª Puigdemasa.

Volume of work: 7.448,49 m².  
 Cost of work (PEM): 5.232.000,00 €.  
 First prize in project competition.  
 Energy certification qualification B.



- ☐ Experience in projects and studies
 ☒ Experience in construction management
 ☐ Experience in works management  
☐ Experience in rehabilitation works
 ☒ BIM experience

**Multipurpose building of Fondo.** Santa Coloma de Gramenet. 2013



Public promotion.  
Developer: Santa Coloma de Gramenet City Council.  
New building: market, supermarket, kindergarten and library.  
Volume of work: 8,580 m².  
Cost of work (PEM): 8.421.537,51 €.  
First prize in design and construction competition.  
Energy certification qualification B.  
Project developed based on the GREEN evaluation criteria (GBCe).



**Indoor swimming pool PCO-3 “Trébol”.** Lleida. 2010



Developer: City Council of Lérida.  
New construction of indoor swimming pool, fitness and sports rooms.  
Scope of work: 5,625 m².  
Work term: 10 months.  
Work cost (PEM): 6.500.181,00 €.  
First prize in competition.  
Energy certification qualification B.  
Building that produces electricity with Biomass.  
Industrialized work with concrete systems.



**Sant Joan Hospital.** Reus. 2010



Promoter: Innova. Reus City Council Generalitat de Catalunya.  
New intercomarcal hospital building and urbanization of the surroundings. Project and Management in joint venture with Corea-Moran architects. Work in collaboration with Dragados Constructora.  
Gross floor area: 90,830.92 m².  
Cost of work (PEM): 110,962,872.71 €.  
First prize in the design and construction competition.  
Building evaluated using TRANSYS energy and thermodynamic simulation.



- Experience in projects and studies Experience in construction management Experience in works management  
 Experience in rehabilitation works BIM experience

**Indoor swimming pool PCO-2.** L'Ametlla de Mar, Tarragona. 2010



Promoter: City Council of L'Ametlla de Mar.  
New building of indoor swimming pool and sports halls. Construction and operation in temporary union Contrucciones FEU and Trevol.  
Volume of work: 3.678 m².  
Work term: 10 months.  
Cost of work (PEM): 3.698.510 €.  
First prize in the design, construction and operation competition.  
Industrialized work with concrete systems.



**Day center “Alfons Moncanut”.** Sant Celona. 2010



Promoter: Public promotion. Sant Celoni City Council. Work integrated in the FEIL.  
New municipal day care center building.  
Volume of work: 693,10 m².  
Work term: 8 months.  
Work cost (PEM): 550.000,00 €.  
Energy Certification. Rating A.  
First prize in restricted competition.  
Industrialized work with concrete systems.



**Sports hall PAV-2.** Serò, Lleida. 2009



Public promotion.  
Promoter: Seròs Town Council.  
New municipal sports pavilion building.  
Volume of work: 2.560,54 m².  
Work cost (PEM): 2.417.197,21 Euros.  
First prize in design competition.  
Industrialized work with light systems.



- Experience in projects and studies Experience in construction management Experience in works management  
 Experience in rehabilitation works BIM experience

**Sports hall PAV-3.** Arenys de Munt, Barcelona. 2009



Public promotion.  
Promoter: Arenys de Munt City Council.  
New municipal sports  
municipal sports center.  
Volume of work: 2.536 m².  
Work term: 6 months.  
Work cost (PEM): 2.231.602,47 €.  
First prize in project competition.  
Industrialized work with light systems.



**Judicial building.** Vilafranca del Penedès, Barcelona. 2007



Public promotion.  
Promoter: Department of Justice. GISA.  
“Generalitat de Catalunya”.  
New judicial building construction.  
Volume of work: 4.356,25 m².  
Work cost (PEM): 3.517.060,69 €.  
First Prize restricted competition.



**Building for Telefónica Mobile.** Toledo. 2005



Promoter: Ministry of Science and  
Technology of the Community of Castilla la  
Mancha.  
New building for “call-center”. Construction  
management in collaboration with Manuel  
Santoloya, Architect.  
Scope of work: 4,298 m².  
Cost of work (PEM): 4.568.507,14 €.  
First Prize Competition.  
Building evaluated from the TAS energy  
simulation.  
Industrialized building with mixed systems.



**Home and day center.** Sabadell, Barcelona. 2001



Public promotion  
Promoter: Social Welfare. “Generalitat de  
Catalunya”.  
New building of a day center and day care  
center.  
Volume of work: 1.240,95 m².  
Cost of work (PEM): 684.499,57 €.  
First Prize Restricted Competition Project.

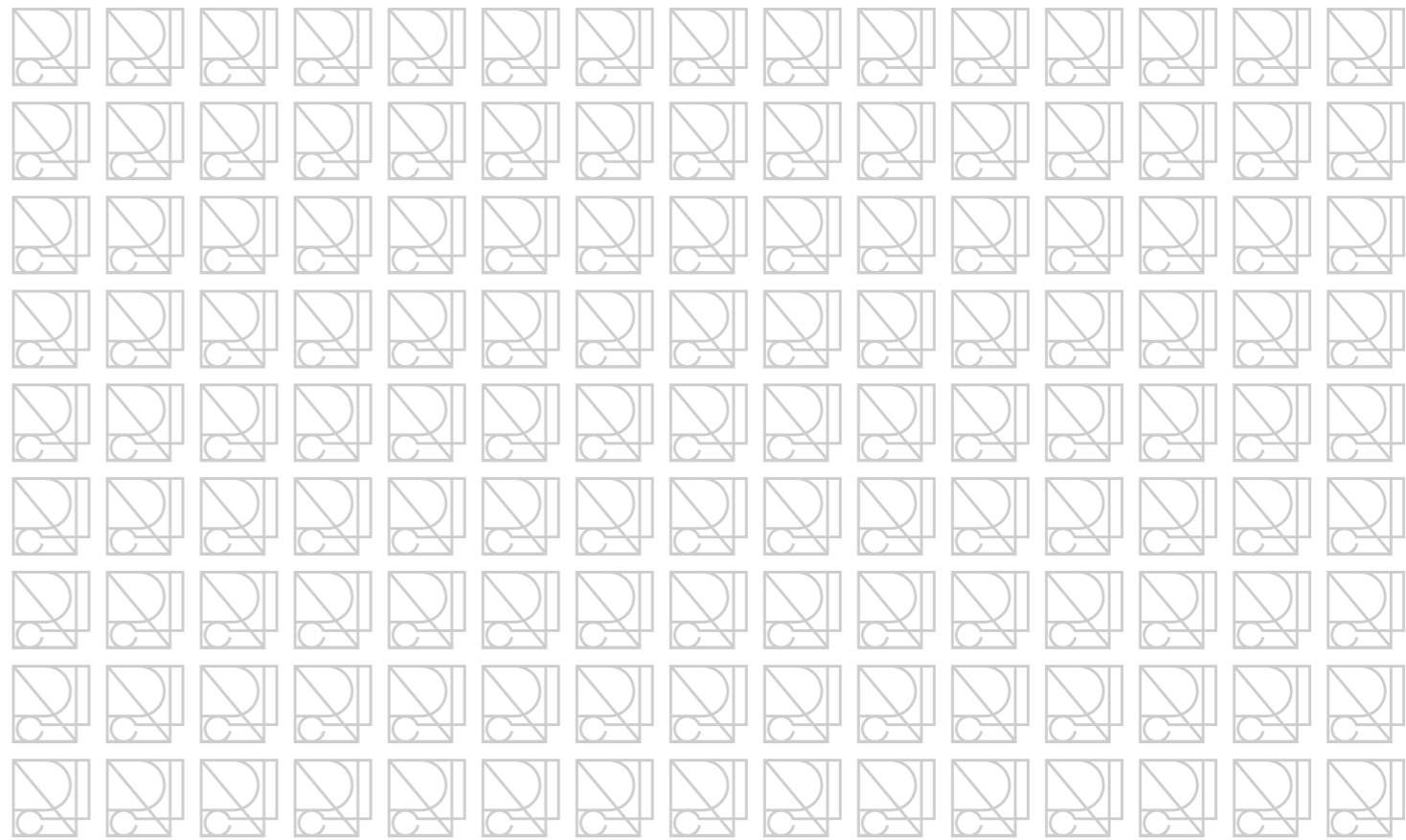
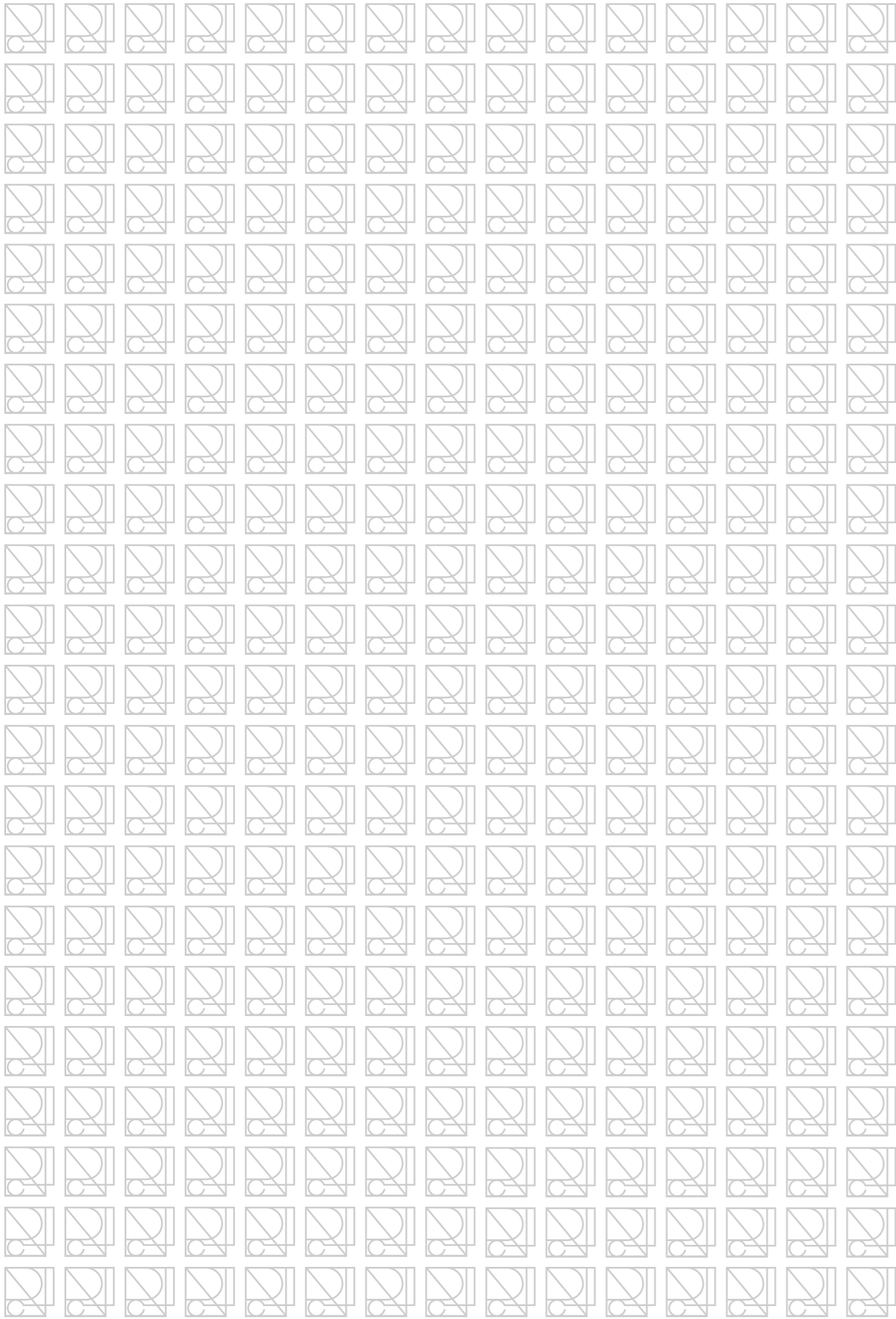


**Day center and supervised apartments.** Sants, Barcelona. 1998



Public promotion.  
Promoter: Social Welfare. “Generalitat de  
Catalunya”.  
New construction of 18 dwellings.  
Volume of work: 1.189,40 m².  
Cost of work (PEM): 596.728,03 €.  
First Prize restricted competition project.

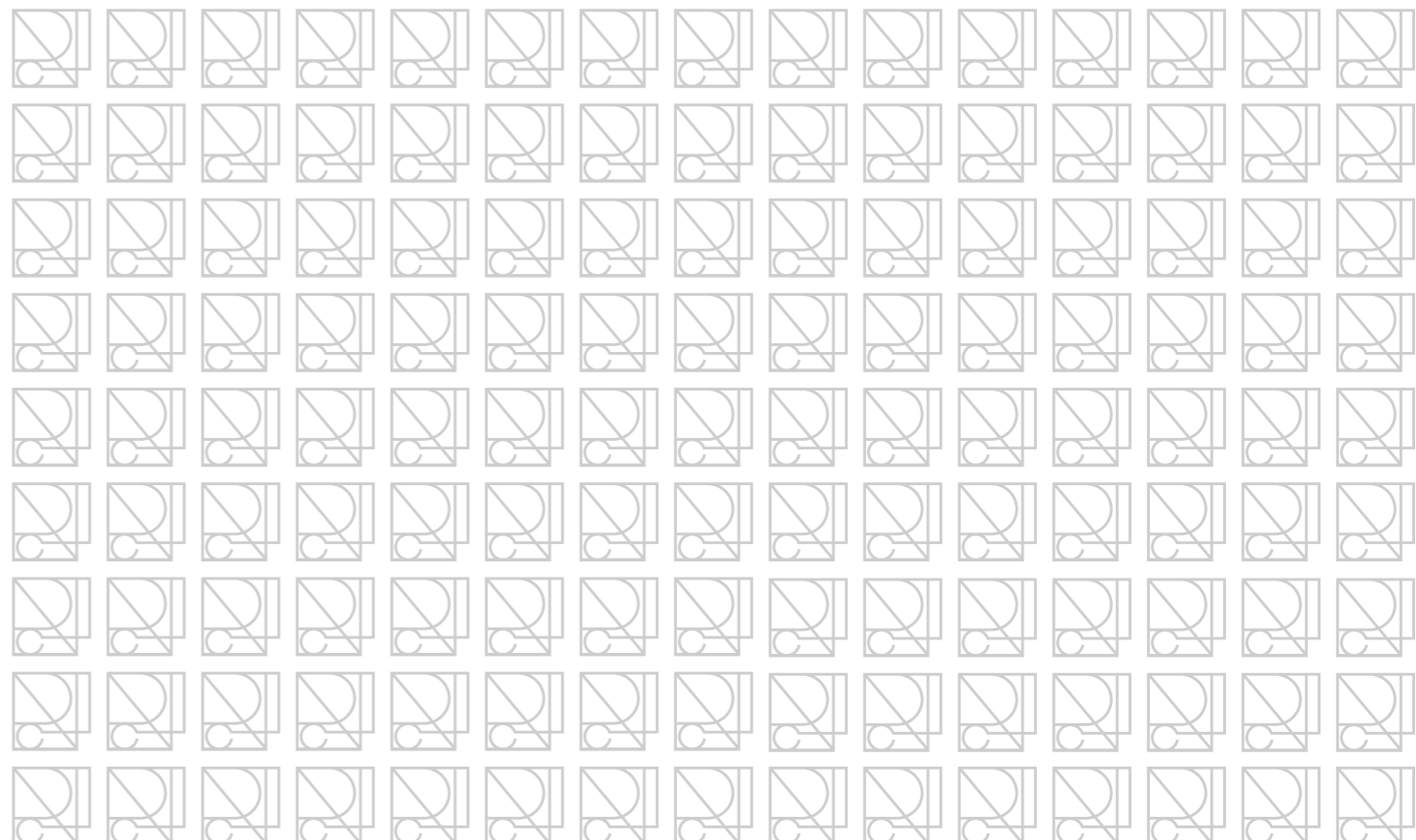




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# SCHOOL EQUIPMENT PRIVATE DEVELOPMENT

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## SCHOOL EQUIPMENT - PRIVATE DEVELOPMENT

- ☐ Experience in projects and studies
 ☒ Experience in construction management
 ☐ Experience in works management  
☐ Experience in rehabilitation works
 ☒ BIM experience

### **“Teresianas” Nursery.** Barcelona. 2018



Private development.  
 Promoter: Teresianas Nursery School.  
 Charter school.  
 Refurbishment.  
 Cost of work (PEM): 354.878,87 Euros.  
 Volume of work: 294.15 m².



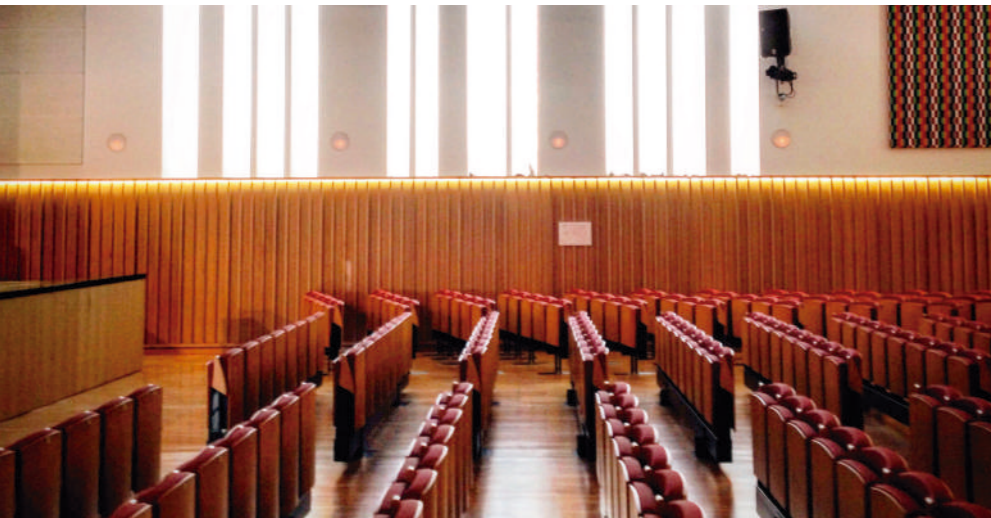
### **Paideia School.** Barcelona. 2015



New Construction Special education school center.  
 Management with executive management support.  
 Scope of work: 2,300 m².  
 Construction cost (PEM): 770,000 €.  
 Energy certification qualification B.  
 First prize in project competition.  
 Industrialized work with concrete systems.  
 Project developed based on VERDE evaluation criteria (GBCe).



### **Energy audit and classroom and auditorium renovation “Lycée Français de Barcelone”.** Barcelona. 2015-2016



Private promotion.  
 Developer: Lycée Français.  
 Renovation: improvement of comfort and energy demand in classrooms and refurbishment of the auditorium.  
 Scope of work: 3,230 m².  
 Cost of work (PEM): 414,127 Euros.  
 First Prize CV and bid competition.  
 Project developed based on VERDE evaluation criteria (GBCe).



### **Reform of P3, P4 and P5 in “Teresianas” School.** Barcelona. 2015



Private promotion.  
 Developer: Teresianas-Ganduxer School.  
 Renovation: complete refurbishment of classrooms P3, P4 and P5, dining room, basement and second floor.  
 Scope of work: 386 + 386 m².  
 Cost of work (PEM): 317,194 Euros.  
 Energy Certification. Rating B.  
 Project developed based on VERDE evaluation criteria (GBCe).



### **New Teresianas Ganduxer School building.** Barcelona. 2014



Private promotion.  
 Renovation and extension.  
 Scope of work: 2845 m² new construction | 644 m² renovation.  
 Cost of work (PEM): 2.114.357,9 €.  
 Energy certification qualification B.  
 Industrialized work with mixed systems.  
 Project developed based on VERDE evaluation criteria (GBCe).



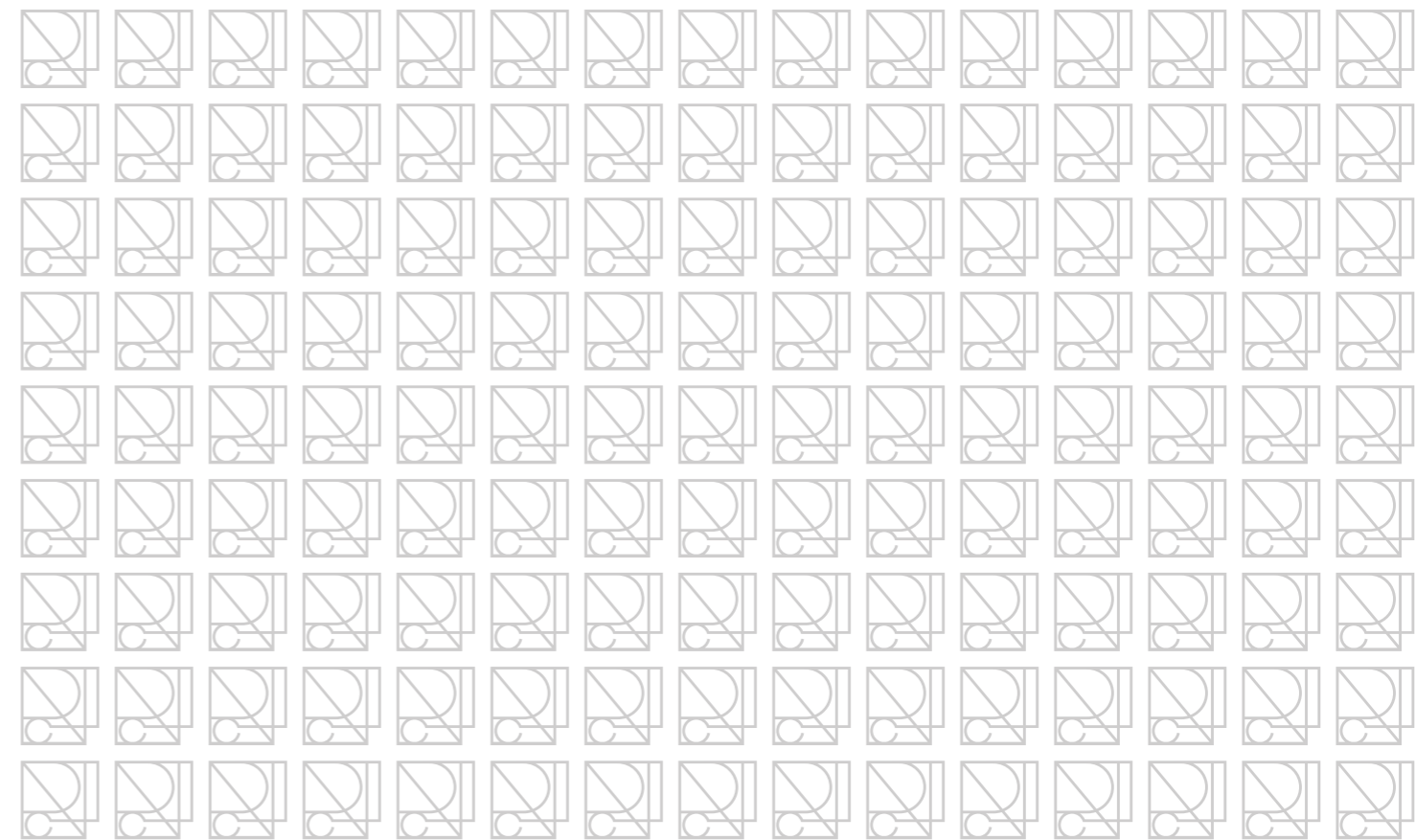
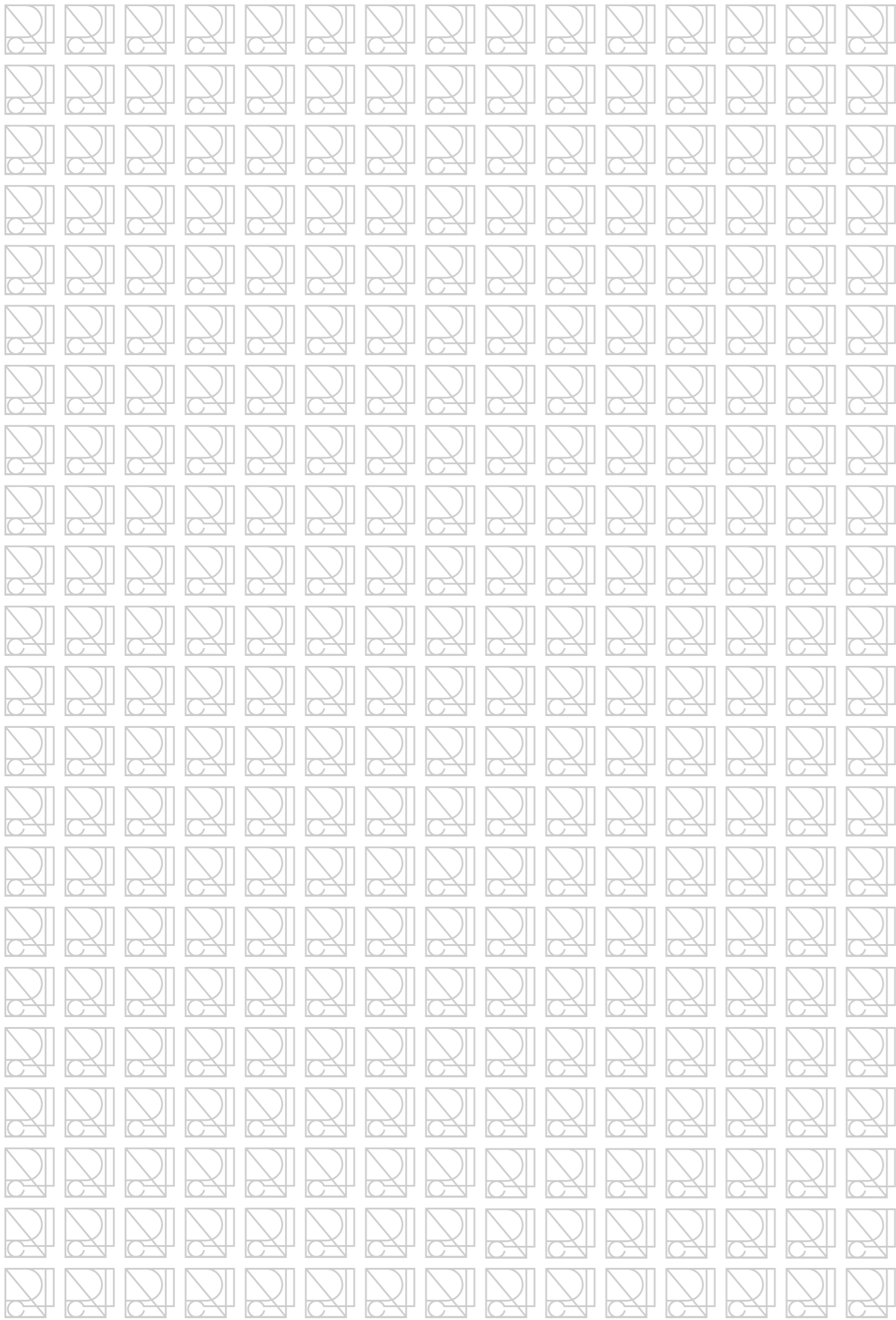
### **Expansion of IESTUR school.** Ciudad de Mexico, Mexico. 2008



Private School.  
 Special Plan and New Building.  
 Project in collaboration with Biomah-Mexico.  
 Volume of work: 1250.22 m².



- ☐ Experience in projects and studies
 ☒ Experience in construction management
 ☐ Experience in works management  
☐ Experience in rehabilitation works
 ☒ BIM experience



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## SCHOOL EQUIPMENT PUBLIC PROMOTION

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## SCHOOL EQUIPMENT - PUBLIC PROMOTION

- ☐ Experience in projects and studies
 ☒ Experience in construction management
 ☐ Experience in works management  
☐ Experience in rehabilitation works
 ☒ BIM experience

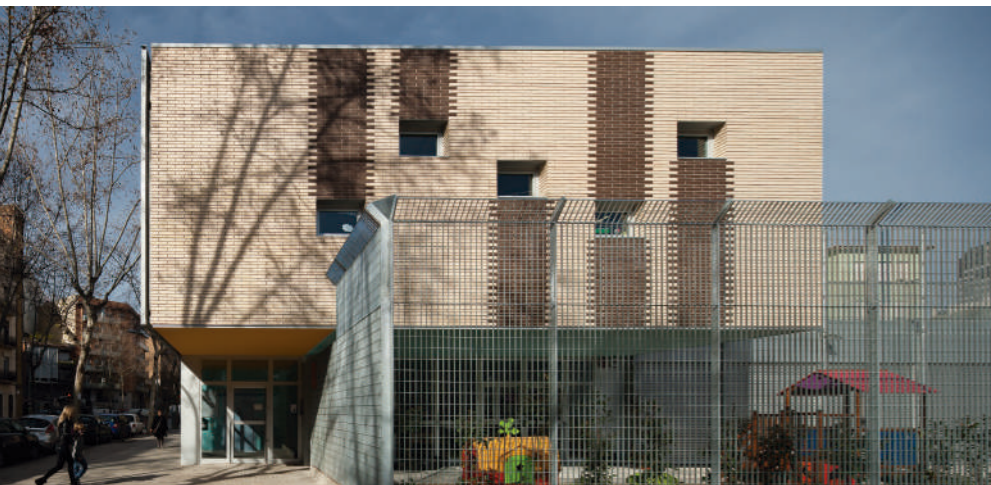
### **Abate Molina Lyceum.** Talca, Maile Region, Chile. 2013



Promoter: Municipality of Talca.  
Renovation and expansion.  
Volume of work: 12,695 m².  
First prize in design and construction competition in joint venture with architect Marcelo Galano Thomann.  
Sergio Aguilar architect in collaboration with Copcisa Constructora.  
First prize in the design and construction competition.  
Project developed from the VERDE evaluation criteria (GBCe).



### **Expansion of the CEIP “Acàcies” nursery school..** Barcelona. 2012



Public promotion.  
Promoter: Consortium of Education of Barcelona.  
Barcelona City Council.  
New municipal kindergarten building and enlargement of existing CEIP.  
Volume of work: 1781 m².  
Cost of work (PEM): 3.541.049,56 €.  
First prize in design and construction competition.  
Industrialized work with light systems.



### **CEIP Josep Guinovart.** Castelldefels. 2011



Promoter: Department of Education. ISA. “Generalitat de Catalunya”.  
New primary school building in collaboration with Deco Constructora.  
with Deco Constructora.  
Volume of work: 3.676,80 m².  
Work term: 10 months.  
Work cost (PEM): 3.530.562,95 €.  
Energy certification: Rating B.  
First prize in project and work competition.  
Industrialized work with concrete systems.



### **“Perú” Nursery.** Barcelona. 2011



Public promotion.  
Promoter: Consortium of Education of Barcelona. Barcelona City Council. Work integrated in the FEIL program.  
New municipal kindergarten building.  
Volume of work: 1.090,26 m².  
Cost of work (PEM): 1.230.000,00 €.  
Energy certification qualification A.  
First prize in project competition.  
Work integrated in the FEIL program.



### **“Les Parellades” Nursery.** Sant Pere de Ribes. 2010



Public promotion.  
Developer: Department of Education and Science of Castilla-La-Mancha.  
New school building.  
Volume of work: 4,117.48 m².  
Work cost (PEM): 3.519.179,65 €.  
Energy Certification. Rating B.  
First prize in project competition.  
Industrialized work with mixed systems.



### **CEP “Los Arenales”.** Guadalajara. 2010



Public promotion.  
Developer: Department of Education and Science of Castilla-La-Mancha.  
New school building.  
Volume of work: 4,117.48 m².  
Work cost (PEM): 3.519.179,65 €.  
Energy Certification. Rating B.  
First prize in project competition.  
Industrialized work with concrete systems.



- ☐ Experience in projects and studies
 ☒ Experience in construction management
 ☐ Experience in works management  
☐ Experience in rehabilitation works
 ☒ BIM experience

**“El Coll” Nursery.** Barcelona. 2010



Public promotion.  
Promoter: Education Consortium.  
Barcelona City Council.  
Work integrated in the FEIL program.  
New municipal kindergarten building.  
Volume of work: 907.29 m².  
Cost of work (PEM): 1.199.847,85 €.  
First Prize restricted project competition.



**CEIP “Castell d’Òdena”.** Ódena. 2009



Public promotion.  
Promoter: Department of Education. ISA.  
“Generalitat de Catalunya”.  
New primary school building in collaboration with Bosch and Pascual Constructora.  
Volume of work: 1.068,72 m².  
Work cost (PEM): 1.303.843,34 €.  
Energy Certification. Qualification B.  
First Prize in project and work competition.  
Industrialized work with lightweight systems.








**CEIP “Eulàlia Bota”.** Barcelona. 2008



Public promotion.  
Promoter: Department of Education. ISA.  
“Generalitat de Catalunya”.  
New primary school building in collaboration with DECO Constructora.  
Volume of work: 2.999 m².  
Work term: 9 months.  
Cost of work (PEM): 2.919.096,12 €.  
First prize in the project and work competition.  
Industrialized work with mixed systems.



 Experience in projects and studies  Experience in construction management  Experience in works management  
 Experience in rehabilitation works  BIM experience

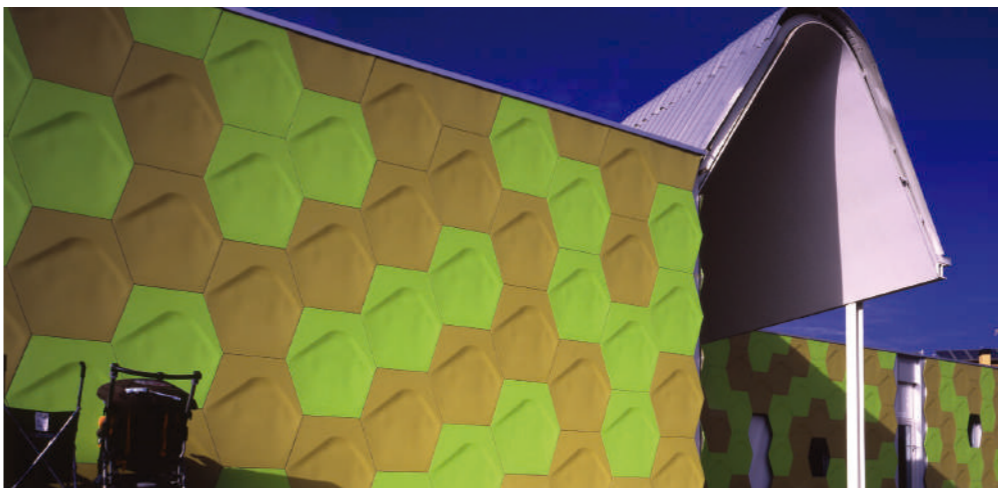
**CEIP - Pere IV.** Barcelona. 2008



Public promotion.  
Promoter: Education Consortium.  
Barcelona City Council.  
New building.  
Volume of work: 907.29 m².  
Cost of work (PEM): 1.199.847,85 €.  
First Prize restricted project competition.



**“Torressana” Nursery.** Terrassa. 2008



Public promotion.  
Developer: Terrassa City Council.  
New municipal nursery building in collaboration with Bosch and Pascual Constructora.  
Volume of work: 860,42 m².  
Work term: 4 months.  
Cost of work (PEM): 1.464.173,47 €.  
First prize, project and work competition.  
Industrialized work with mixed systems.








**Els Pops Nursery.** Lloret de Mar. 2007



Public promotion.  
Developer: Lloret de Mar Town Council.  
New municipal nursery building.  
Volume of work: 797 m².  
Cost of work (PEM): 790.273 €.  
First prize in the project competition.  
Industrialized work with light systems.



 Experience in projects and studies  Experience in construction management  Experience in works management  
 Experience in rehabilitation works  BIM experience

**“Can Roca” Nursery.** Terrassa. 2006



Public promotion.  
Developer: Terrassa City Council.  
New municipal nursery building. Work in collaboration with Bosch and Pascual Constructora.  
Volume of work: 870 m².  
Work term: 3 months.  
Cost of work (PEM): 804.201,68 €.  
First prize in the project and work competition.  
Industrialized work with mixed systems.



**CEIP - Les Glòries.** Barcelona. 2006



Public promotion.  
Promoter: Department of Education. GISA. Generalitat de Catalunya.  
New primary school building.  
Volume of work: 3.713,70 m².  
Cost of work (PEM): 2.536.274,51 €.  
First prize in the project competition  
Industrialized work with mixed systems.



**CEIP - Vallromanes.** Barcelona. 2006



Promoter: Department of Education. ISA. “Generalitat de Catalunya”.  
New primary school building. Work in collaboration with ACSA Constructora.  
Volume of work: 3.246,82 m².  
Work term: 5 months.  
Work cost (PEM): 2.639.997 €.  
First Prize in the Project and Work Competition.  
Industrialized work with concrete systems.



○ Experience in projects and studies    ● Experience in construction management    ● Experience in works management  
○ Experience in rehabilitation works    ● BIM experience

**CEIP - Lloret.** Lloret de Mar, Girona. 2005



Education Department. ISA. “Generalitat de Catalunya”.  
New primary school building. Work in collaboration with ACSA Constructora.  
Volume of work: 4.699 m².  
Work term: 7 months.  
Cost of work (PEM): 3.631.180 €.  
First prize in the project and work competition (2 phases).  
Industrialized work with concrete systems.



**CEIP Ponent - Terrassa.** Terrassa, Barcelona. 2004



Promoter: Department of Education. ISA. “Generalitat de Catalunya”.  
New primary school building. Work in collaboration with DECO Constructora.  
Volume of work: 3.272 m².  
Work term: 5 months.  
Cost of work (PEM): 3.027.040 €.  
First prize in the project and work competition.  
Industrialized work with concrete systems.



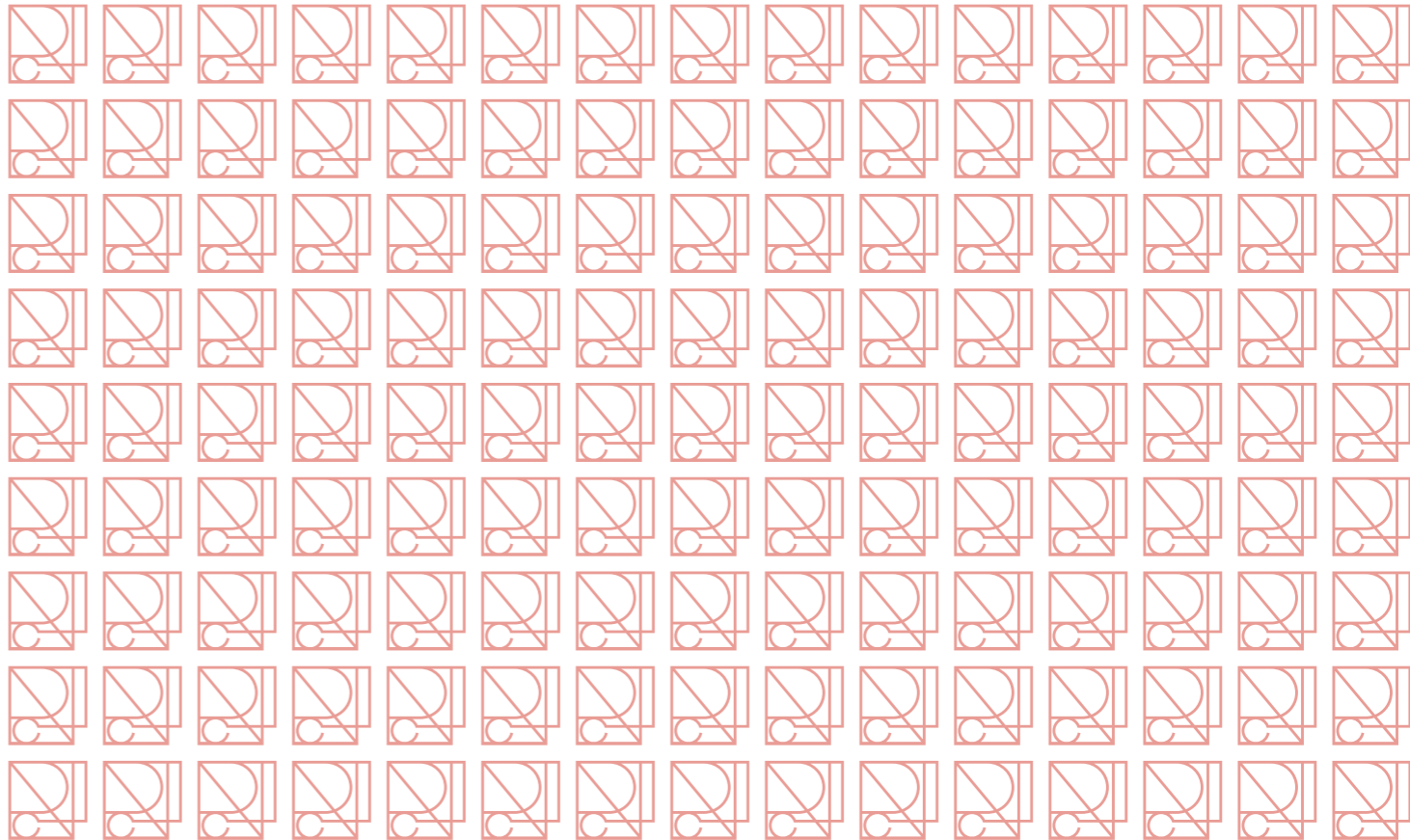
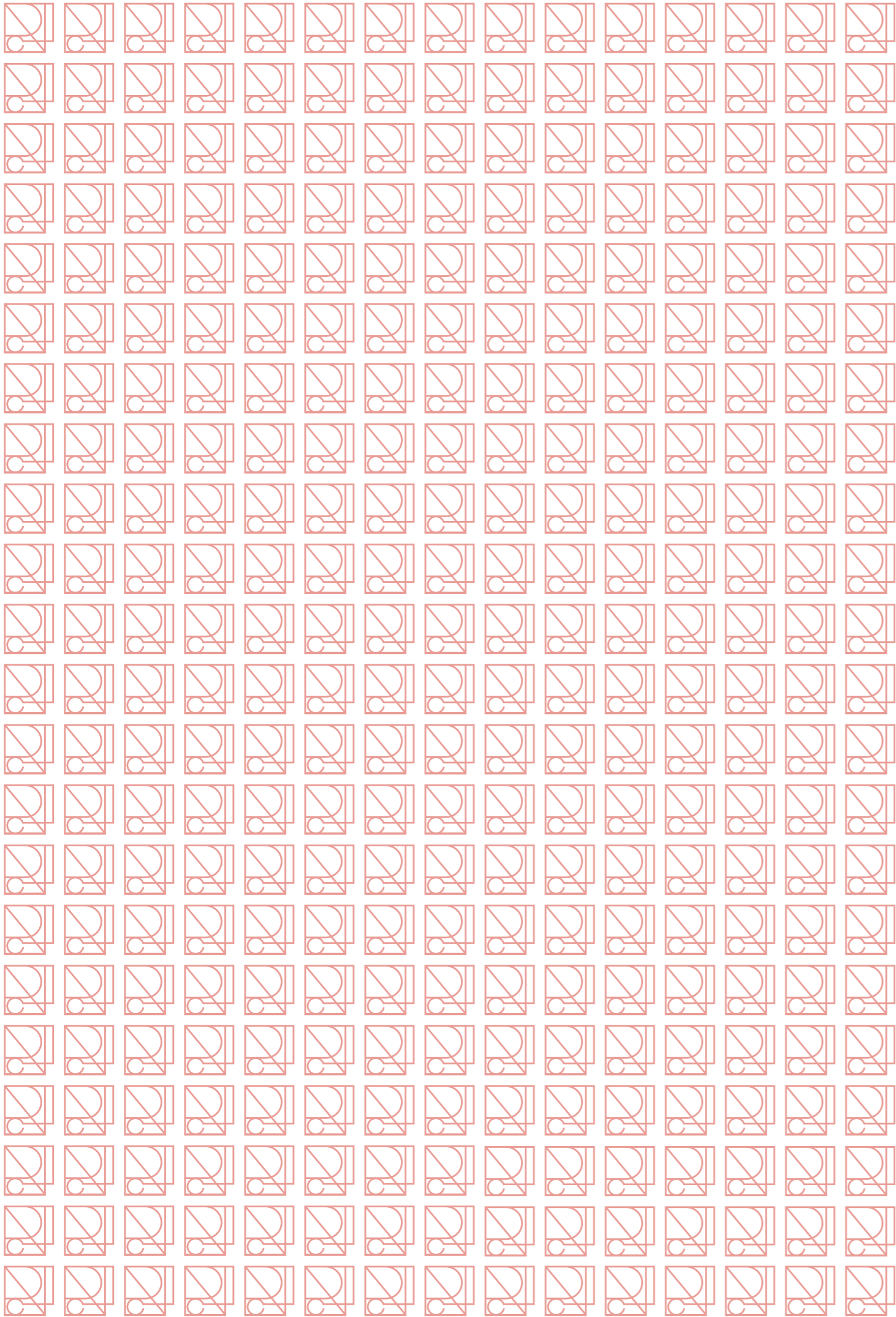
**CEIP-Sant Cugat.** Sant Cugat, Barcelona. 2003



Promoter: Department of Education. ISA. “Generalitat de Catalunya”.  
New primary school building in collaboration with Deco Constructora.  
Volume of work: 3.676,80 m².  
Work term: 10 months.  
Work cost (PEM): 3.530.562,95 €.  
Energy certification: Rating B.  
First prize in project and work competition.  
Industrialized work with concrete systems.



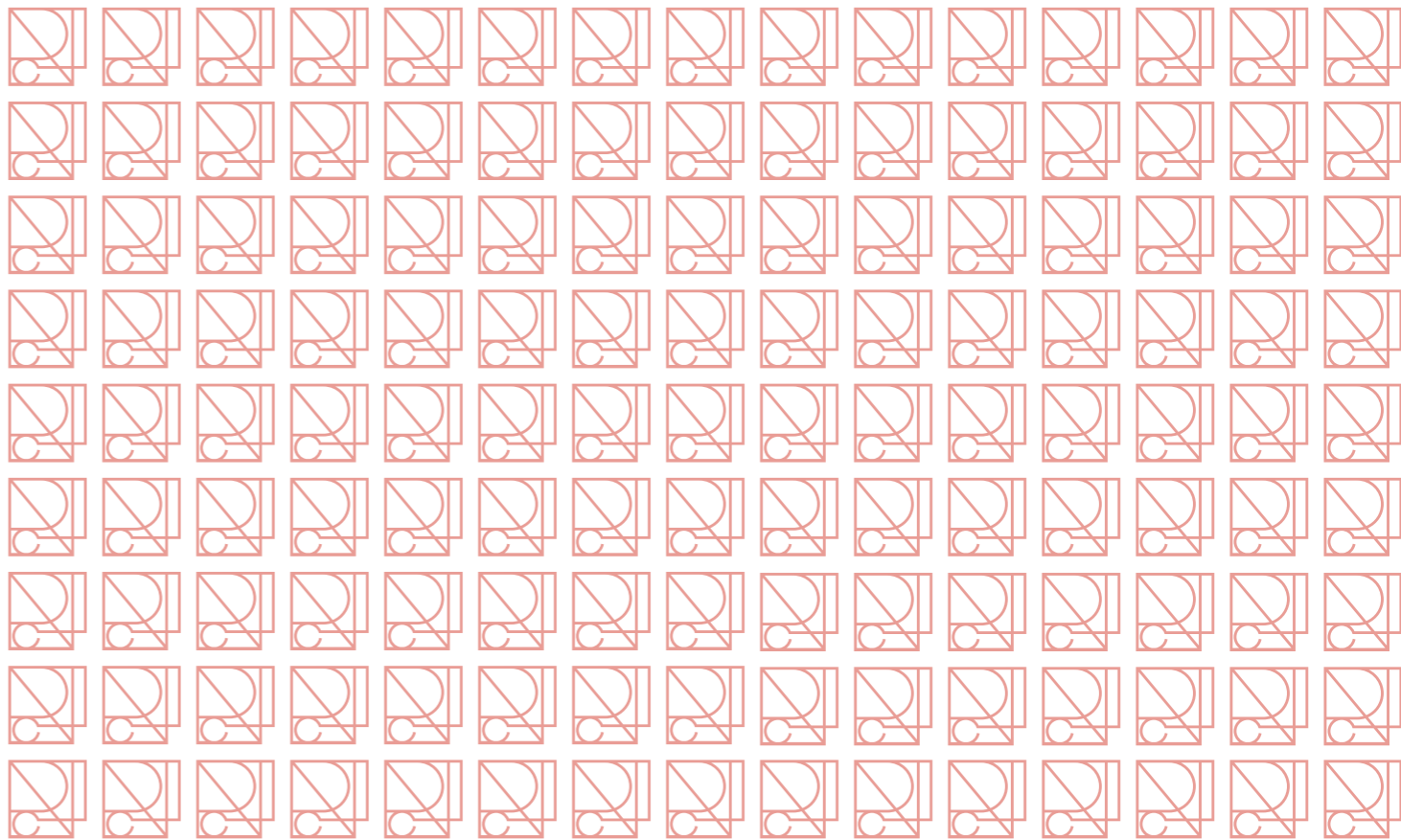
○ Experience in projects and studies    ● Experience in construction management    ● Experience in works management  
○ Experience in rehabilitation works    ● BIM experience



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# PLANNING

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## PLANNING

The firm, in addition to specific experience in urban planning, has a department that analyzes the potential of real estate assets to provide value and potential to the real estate investor.

- Analysis of the urban and regulatory viability of the assets.
- Study of legal and economic conditioning factors, in dialogue with the different administrations.
- Architectural fittings.
- Analysis of potential applications of environmental parameters.
- Proposals of costs and terms of operations with different contracting systems.
- Economic valuation / CAPEX of the operation.

### ***DUE Technical Diligence “Commodus”. Urban feasibility. Architectural fittings. Barcelona. 2020***



Private development.  
Volume of work: 3,880 m<sup>2</sup>.

### ***Master plan for the environmental and energy improvement of a block of the Ensanche. Barcelona. 2016***



Team: architects, Picharchitects and ArriolaFiol. Engineers: La Vola and Aiguasol. Citizen participation: Recooperar and ECTS.

Economics: Eva Bufí.

Public-private promotion. Generalitat de Catalunya. Barcelona City Council. Communities of owners of the island.

Master plan for a change in the model of rehabilitation, energy production and environmental improvement of an island in the Eixample district of Barcelona.

### ***Urban improvement plan for the extension of the Teresianas Ganduxer school. Barcelona. 2012***



Private development. Teresiana Foundation.

Study of possible volumes for the extension of the Teresianas Ganduxer school.

Interlocution, property, heritage Barcelona City Council, Heritage Generalitat de Catalunya to define the most appropriate plan in the area of protection of architectural heritage declared Cultural Asset of National Interest (BCNI).

Development of the Urban Improvement Plan.

### ***Urban improvement plan for the block of Badajoz, Tànger, Àvila and Sancho de Àvila streets. Barcelona. 2011***



Private development. Compensation Board process.

Development project of an island in the 22 @ district of Barcelona.

Urban Improvement Plan. In development phase.

Planning area: 7.843,20 m<sup>2</sup>.

### ***Volumetric arrangement - Urbanization project, building project. Manresa. 2009***



Public promotion. FORUM-MANRESA paramunicipal company.

Project for the urban renewal of a degraded area of the old town of Manresa.

Volume of work: 4.238 m<sup>2</sup> building / 3.915 m<sup>2</sup> public space.

Restricted competition award.

**Self-sufficient neighborhood project for the city of Barcelona “Besós Sostenible”.** Barcelona. 2008-2009



Work of a multidisciplinary group of 15 experts for the development of a self-sufficient neighborhood (density, uses, social inclusion, health, agricultural activity, energy production, water, waste, mobility).

Research project. Coordination: Pich-Aguilera - Lluís Grau Team.

Study area: 166 Ha.

**Partial urban development plan sector “Plan del Domeny”.** Girona. 1995



Public promotion. Girona City Council.

Study carried out in parallel to urban planning and as support for the design of a new environmentally sustainable urban space.

Environmental advice on planning.

Planning area: 243.852 m<sup>2</sup> Public land: 146.311 m<sup>2</sup> Private land: 97540 m<sup>2</sup>.

**Bioclimatic and sustainability criteria. Historic center of Toledo. Toledo Consortium.** Toledo. 2006-2009



Public promotion. Toledo Consortium.

Conducting a study on bioclimatic and sustainability criteria in the historic center of Toledo. Criteria to be applied in rehabilitation and new construction.

Description and identification of criteria - Publication of a dissemination document - Application in a practical case.

**Special urban improvement plan for the interior of the block. Pau Claris-Paseo de Gracia.** Barcelona. 1995



Private development.

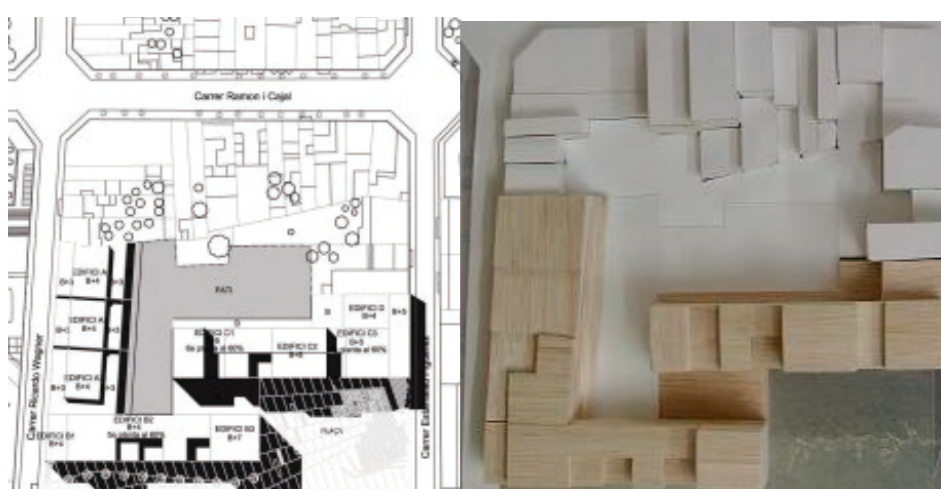
Planning and project for the recovery of a block interior based on the rehabilitation of the modernist industrial heritage of the area.

Planning, urbanization project and building project.

and building project.

Planning area: 2,000 m<sup>2</sup>.

**Wagner-Colon-Ramón y Cajal Special Plan.** Terrassa. 2002



Private development.

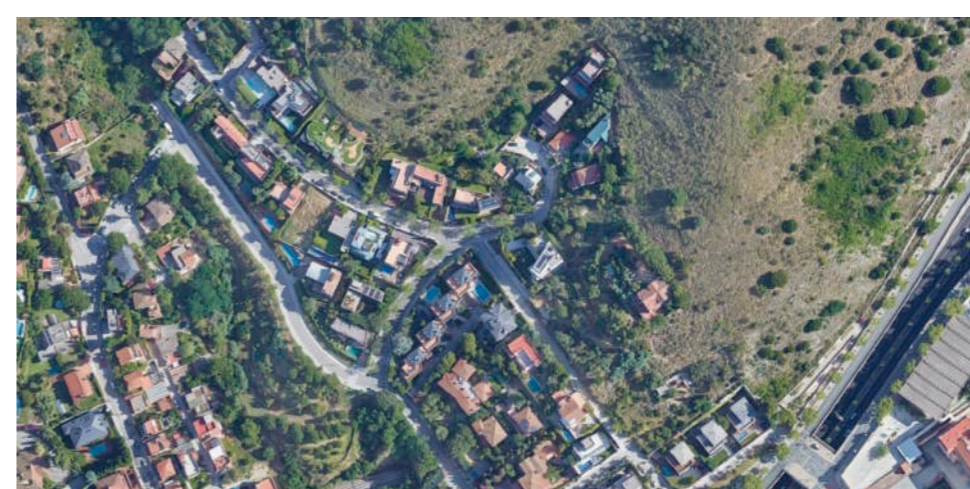
Urban planning in a consolidated urban area linked to a residential development and an improvement of the urban space.

Planning area: 8.604m<sup>2</sup>

Gross floor area: 20.645 m<sup>2</sup>

Number of dwellings: 205 units.

**Plantada Special Plan.** Barcelona. 1995



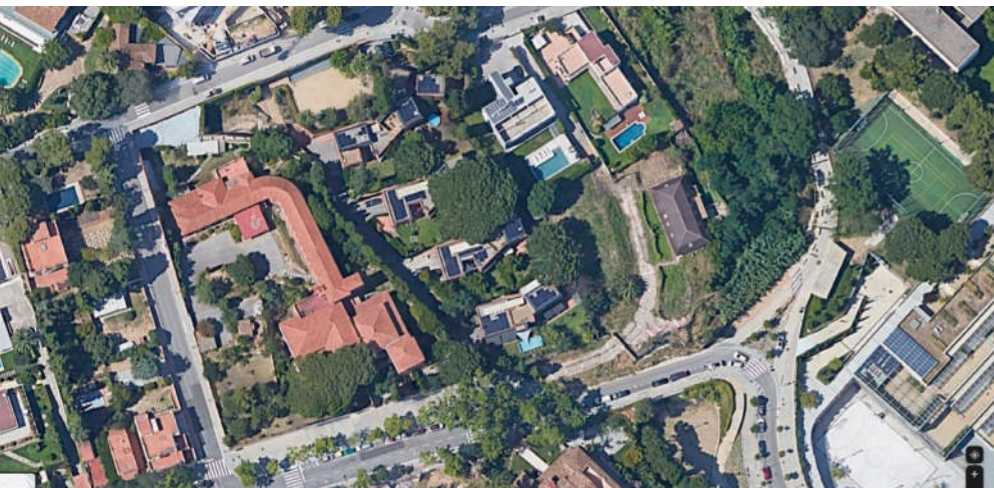
Private development.

Planning located in the foothills of Collserola in a border area between developable space and non-developable space, carried out with special care with the landscape integration of the new buildings.

Gross floor area: 18,865 m<sup>2</sup>.

**Panamá Special Plan.** Barcelona. 1995

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Private development.

Planning and development of the residential building project conceived from the integration of the green space with the houses.

of the green space with the houses.

Planning area: 5.247 m².

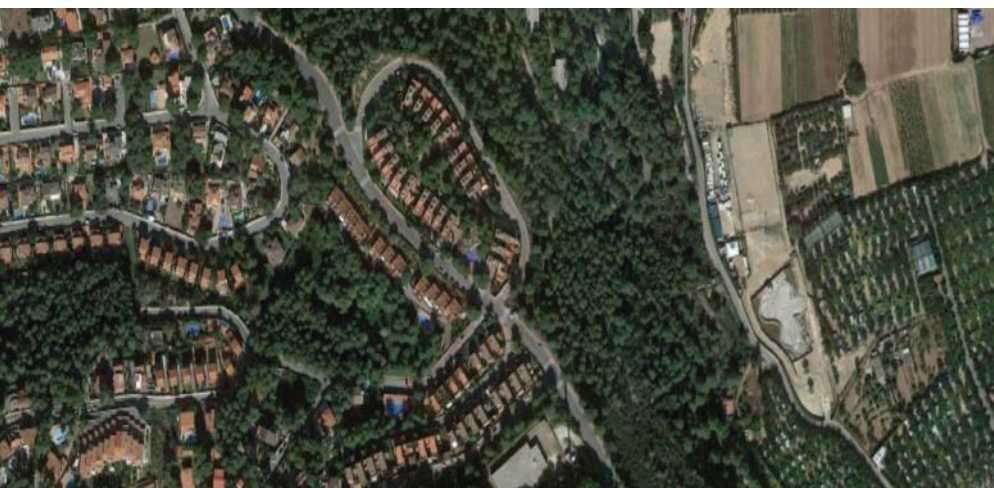
Private land: 5,000 m²

Public land: 247 m²

Built-up area 2,000 m².

**Cala Tamarit Special Plan.** Tarragona. 1988

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Private development.

Planning.

Planning area: 47.18 Ha.

Public land: 25,48 Ha Private land: 21,69 Ha.

Residential units: 711 united max.- 15 un / ha.

**Can Baciana Sabadell.** Sabadell, Barcelona. 1998

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Private development. FINIBA, S.L.

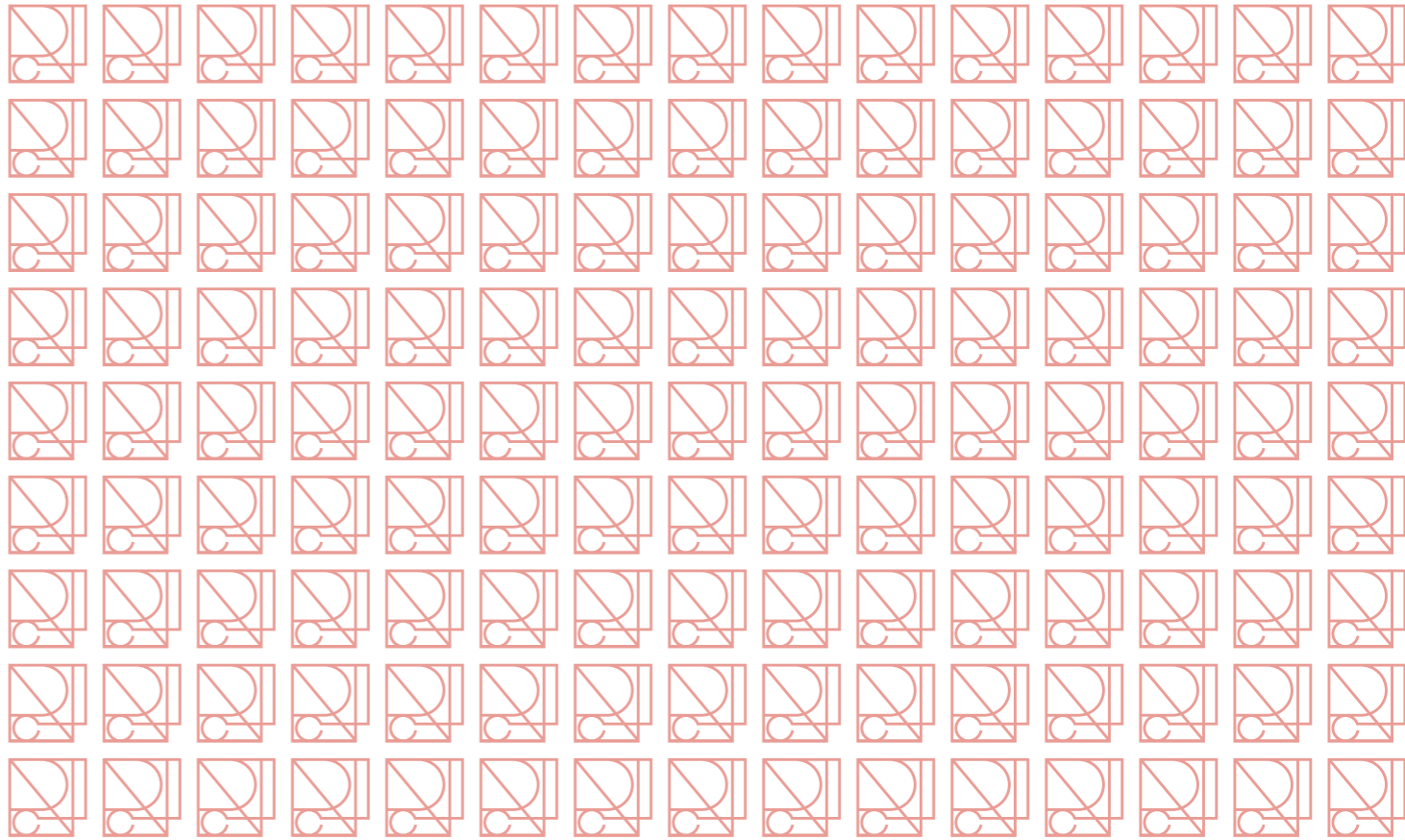
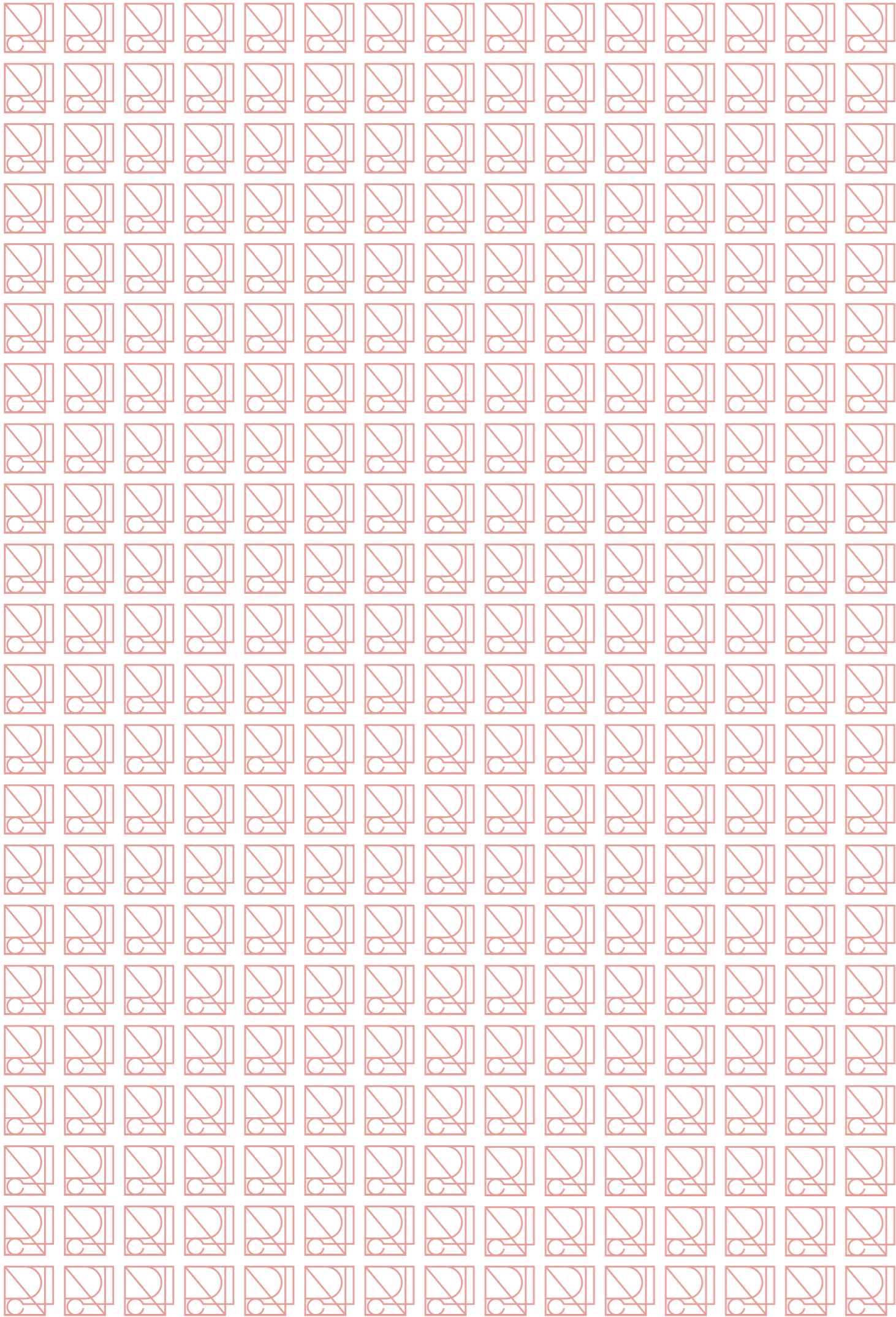
New industrial land planning for the adaptation of residential uses and urban space.

Planning: Special Plan, urbanization project development.

Public spaces and building project.

Planning area: 1.2 Ha.

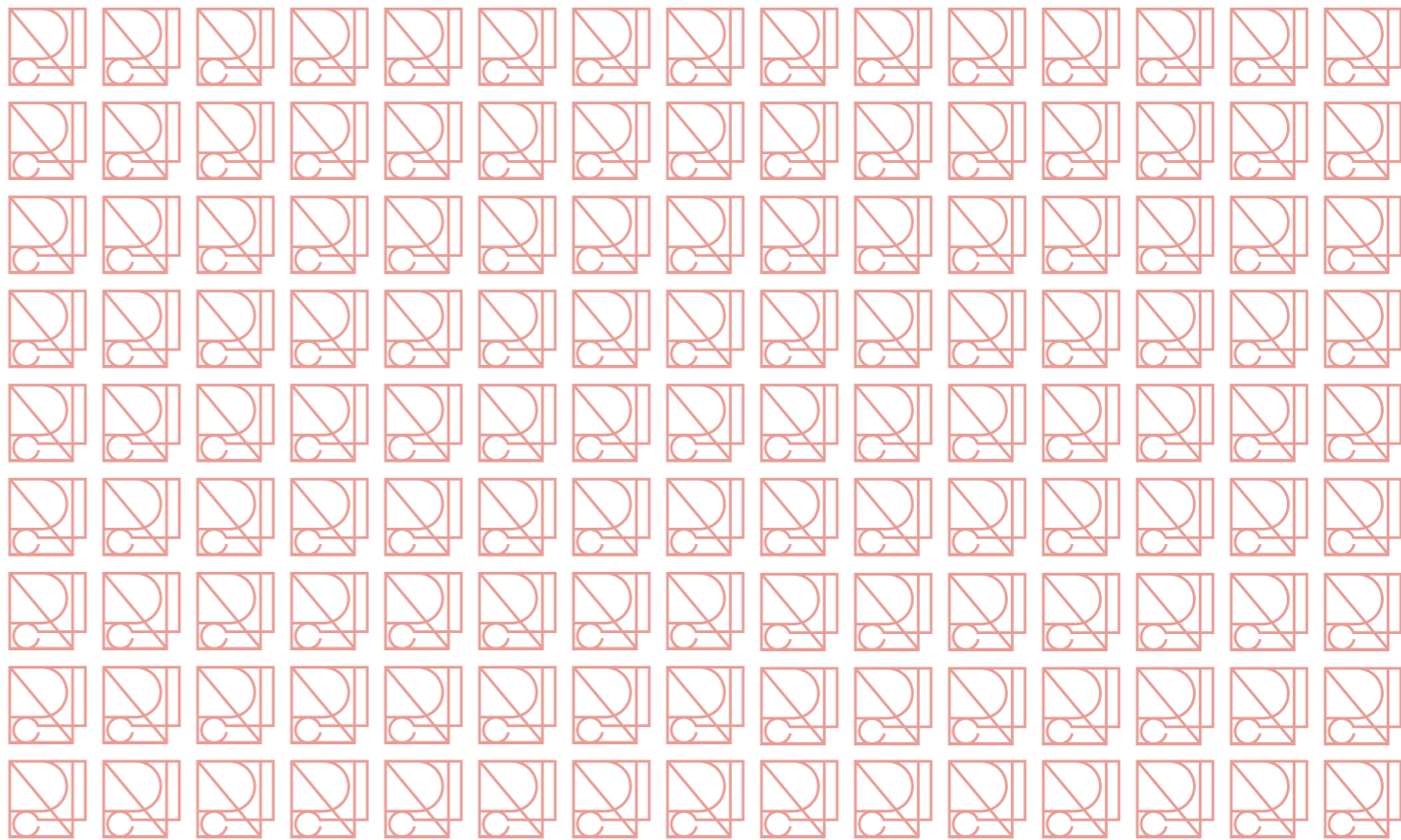
Built-up area: 10,126 m².



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# RESEARCH PROJECTS

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RESEARCH PROJECTS - DEVELOPMENT AND INNOVATION PROJECTS (I+D+I)

Management-coordination of the chair of industrialized building and the environment CEIM-ESARQ-UIC. 2010



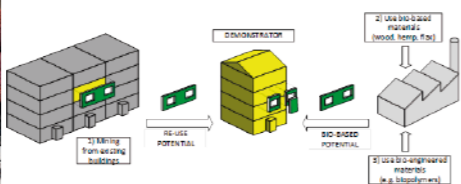
The CEIM Chair is integrated within the School of Architecture of the International University of Catalonia.

The CEIM was created with the aim of providing transversality and to bring together the agents of the building sector through the interaction of knowledge between companies and the university.

The integration of teaching, research and protection allows to give a coordinated impulse to innovation and continuous improvement of architecture, building and the city.

#ArchitectureUIC\_CEIM

DRIVE0. European Commission. 2019-2023



The DRIVE0 concept is based on the **circular development of integral building renovations, with an analysis, based on modeling, of the energy improvements achieved.** Seven real cases are executed and tested. Barcelona is one of the pilot projects, led by the studio.

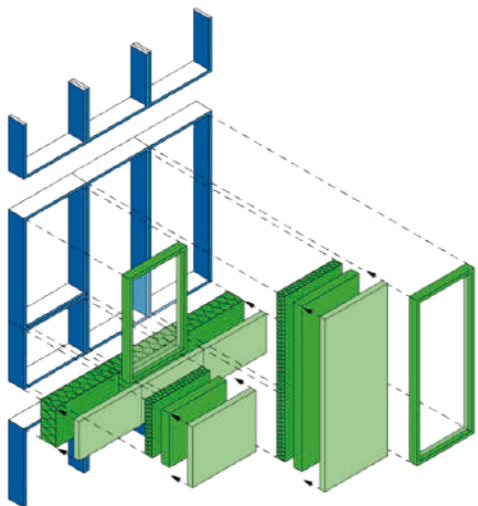
Budget: 3,999,500 €.

Participated by 20 European teams

Call H2020-LC-SC3-EE-2018



Plug'n'harvest. European Commission. 2017-2021



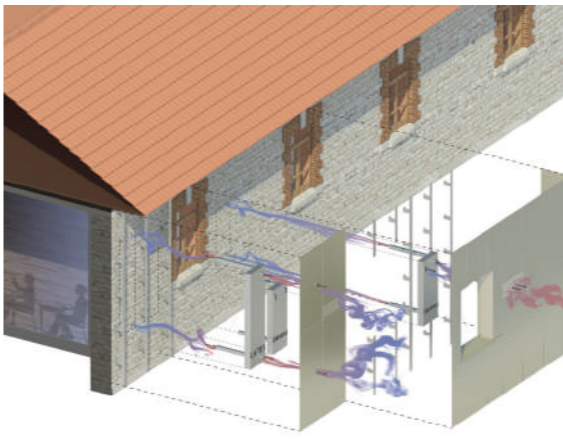
The main strategy of the project is to design, develop, demonstrate and exploit a module, plug-n-play concept/product adaptable and dynamic in the building envelope (ADBE), both residential and non-residential, with the objective of reducing energy consumption and producing the necessary energy with renewable energies, both at building and district level.

Participated by 13 teams

Call H2020-EEB-2016-2017/H2020-EEB-2017



E2VENT. European Commission. 2015-2019



Envelope to be implemented in renovated buildings. E2vent is a façade system as a thermal renovation solution for multi-family buildings, with exterior cladding and air cavity. The system includes a ventilation system with heat recovery and a thermal heat storage system.

Budget: 3,402,790 Euros.

Participated by 30 European teams.

Call EeB2014-Topic2-H2020.



STEP-2-SPORT. European Commission. 2014-2017



The project aims to support the renovation of existing sports facilities to contribute to the European emission guidelines.

Budget 1,862,908 Euros.

Funded by the Intelligent Energy Europe Program.

Involved 12 partners from seven European countries.

IEE/13/586/SI2.675070. ) project.



Plan director de mejora ambiental y energética de una manzana del ensanche. 2016



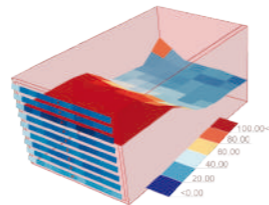
Master plan for a change in the model of rehabilitation, energy production and environmental improvement of a block in the Eixample district of Barcelona.

Collaboration with industry



Innovation and technological development for the international company EQUITONE.

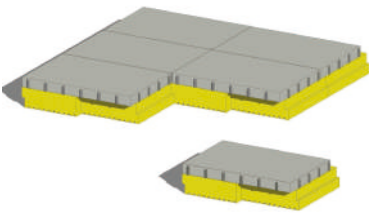
Confidential, its content cannot be disclosed until the end of the project.



EQUITONE

Innovation and technological development of an integral pavement, LOSA VULCANO XPS. 2016-2019.

Innovation project aimed at developing an integrated system for inverted walkable roofs, with the objective of incorporating an industrialized concept and optimizing its manufacturing and laying performance.



breincosmart



Innovation and technological development of an enclosure system, VENT-SCREEN. 2010-2012

The objective of the innovation project was to develop a material, originally used for flooring, for facades, with the incorporation of new compositional formats and the integration of new architectural and technological solutions.



breincosmart



Development of a Holistic Support for the design and construction of Energy Efficient Buildings, Integrating Life Cycle Optimization.

Firm's responsibility: demonstration of Holisteeec platform tools in the design of the Kosk project in Turkey.

Topic nr. y espec.: Horizon 2020, FP7-2013-NMP-ENV-EeB

Beca. Balanced European conservation approach. European Commission. 2011-2013



BECA is a pilot project that compares the user's energy consumption behavior according to their level of information.

consumption according to their level of information. 50% of the users have access to ICTs.

Responsibility of the firm: Development of the cluster project in Manresa, in collaboration with CIMNE Centro Tecnológico to a Forum-Manresa assembly promotion. Testing of monitoring results.

Topic nr. y espec.: Horizon 2020, CIP-ICT-PSP-2010-4- 270981

Mind. European Commission. 2016-2019



The aim of the project is to involve people with dementia in the social context and improve their psychosocial well-being. The design is able to offer new solutions to complement existing treatment practices and facilitate the social situations of people with dementia.

Role of the firm: design of tools to improve the lives of these people.

Topic nr. y espec.: Horizon 2020, Marie Skłodowska-Curie grant agreement No 69100.



Construmat Fair in Barcelona.  
Coordination of the conferences and exhibition space of the sustainability axis of the Construmat Fair (Beyond Building Barcelona from 2015).

**Process of innovation and technological development of the Vent-Screen enclosure system.** 2010-2012

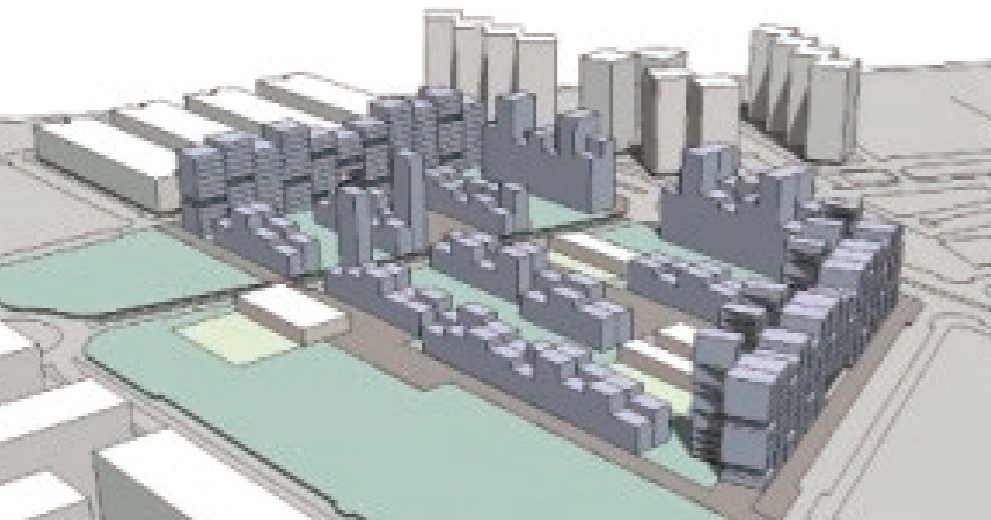
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Breinco Industry.  
Ventilated façade innovation project to offer new performance, new compositional possibilities and the integration of architectural and technological components.

**European project “Manzana verde”, urban environment observatory. Málaga City Council + UPM.** 2010-2011

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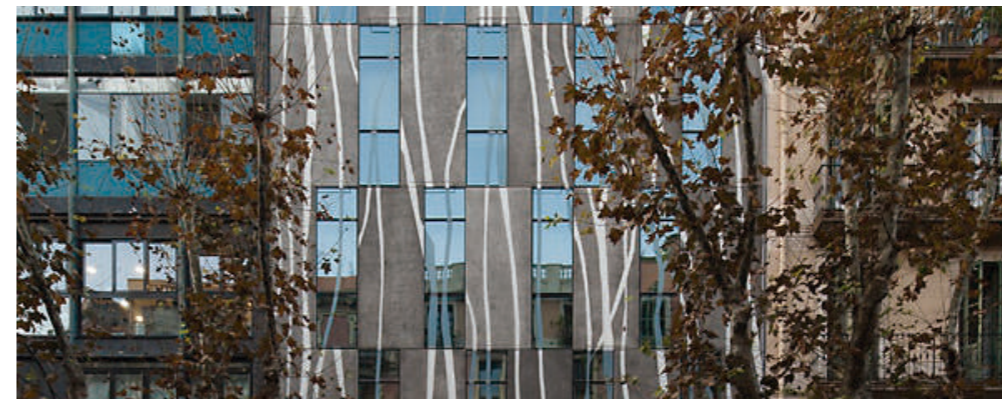
Urban Environment Observatory (OMAU).  
Málaga City Council.  
Program and Chair.  
Advice on the development of urban planning and the incorporation of sustainability indicators for the creation of a future “Green Block” in Málaga.



Sprilur Group.  
Guide for urbanization projects under sustainability criteria for the municipal company Sprilur.  
Co-authors with LaVola Engineering.

**Development project of the sgraffito system with low relief for concrete façade panels..** 2008-2010

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Escofet industry.  
Technical and process conceptual process for bas-reliefs.  
Reinterpretation and updating of traditional sgraffito techniques for building facades.

**Closure panel development project.** 2008-2009

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Industry Six / Drace / Dragados.  
Research project for the development of a GRC façade  
of a GRC façade system with the incorporation of ceramic elements.

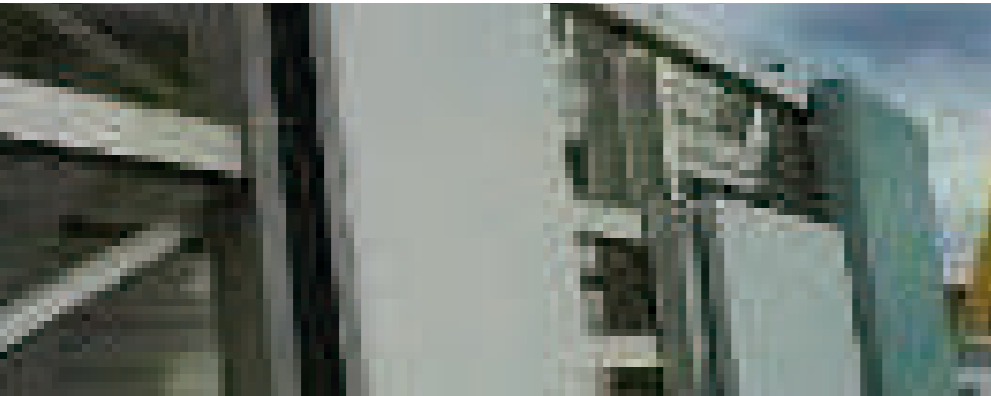
**Piece “Farola Fotovoltaica”. 1886.** 2008-2010

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Escofet Industry.  
Design and technological development of an energy-efficient urban luminaire powered by photovoltaic energy.

**Ventilated concrete facade. Planasark architectural panel. 2008-2009**



Prefabricats Planas" industry.  
Development of a prefabricated integral concrete façade panel that generates a ventilated façade system.

**Barcelona house project. Construmat. 2009**



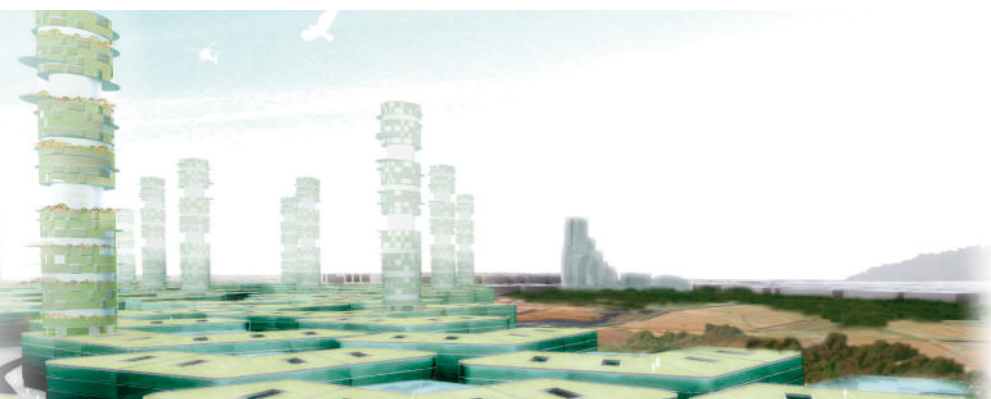
Construmat Fair in Barcelona.  
Project and coordination of a collective housing project.  
Collective housing as an inhabited infrastructure, made of recyclable components, producer of natural territory and energy and manager of natural resources.

**Prototype project "Punt verd". Barcelona City Council. 2009**



Barcelona City Council. Barcelona Energy Agency.  
Proposal of reference centers.  
Pedagogical and communication project.  
Architectural project, construction, information and awareness of urban recycling.  
Prototype in the Parc de la Barceloneta.

**Self-sufficient neighborhood project for the city of Barcelona. 2008-2009**



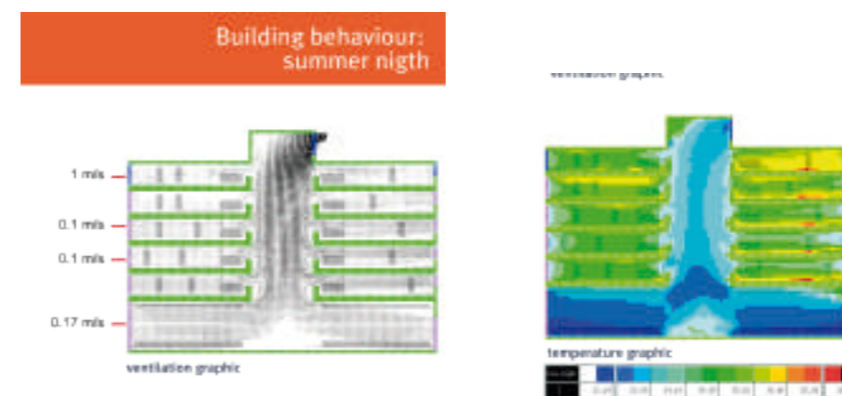
Trabajo para el desarrollo de un barrio autosuficiente que analice la problemática relacionada con la densidad, la mezcla de usos, la inclusión social, la salud, la integración de la actividad agraria, la producción de energía, el agua, los residuos, la movilidad.  
Grupo multidisciplinar de 15 expertos (arquitectos, ingenieros de caminos, biólogos, físicos, médicos).

**Bioclimatic and sustainability criteria. Historic center of Toledo. Toledo Consortium. 2006-2009**



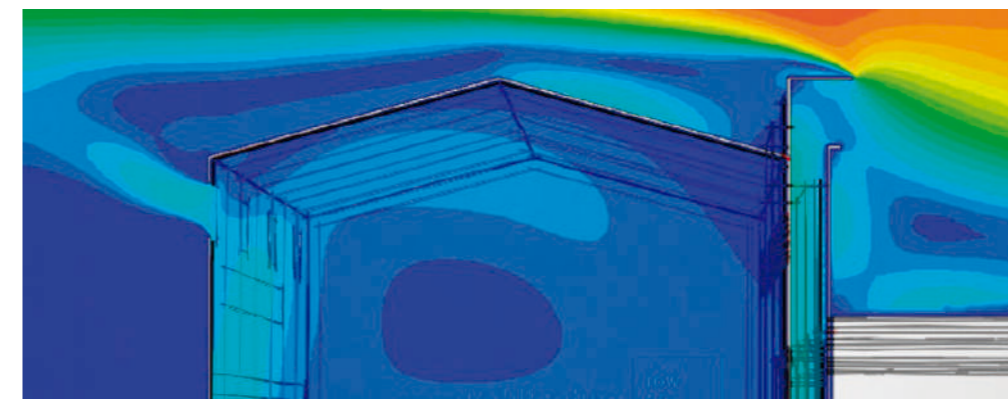
Toledo Consortium.  
Conducting a study on bioclimatic and sustainability criteria for the Historic Center of Toledo. Toledo Consortium.  
Knowledge and awareness manual.

**European Commission "Altener" project. 1999-2001**



In collaboration with the Cerdà Institute (Department of Energy and Environment).  
Environmentally conscious design and alternative energies for housing. European partners: 10.  
Responsibility of the firm: simulation and project in two residential buildings.  
Private housing in the Eixample district of Barcelona. Public housing in Alguazar-Murcia.

**European Commission "Stedi" project. 2002-2003**



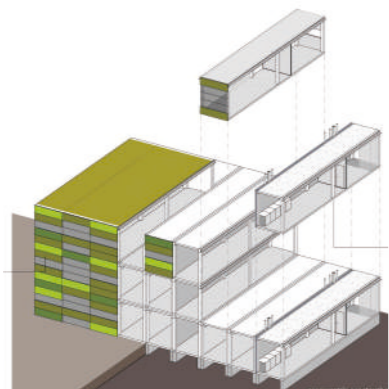
European Project V Framework Program-ICT.  
To create new software tools for analysis, testing and calculation of the bioclimatic performance of buildings in architectural projects.  
European partners: 5.

**Heavy industrialized modules project. 1999-2009**



PMP Industry - Prefabricados Pujol.  
2009 Research project for the application of prefabricated concrete modules in social housing.  
1999 Development of an integral system of industrialized structure for housing. Pilot project: "El Polvorín" commissioned by the Catalan Land Institute of the Generalitat de Catalunya.

**Project light industrialized modules for housing. 2008**



Industry Six / Drace / Dragados.  
Research project for the application in social housing of lightweight stackable metal modules.

**Profit Project. PVTBuilding. 2007-2008**



Ministry of Education and Science.  
Development and characterization of building-integrated ventilated photovoltaic roofs and facades. [www.cimne.com / pvtbuilding](http://www.cimne.com/pvtbuilding).  
Project promoted by the company ISOFOTON.

**Beca Visesa II. 2007-2008**



VISESA municipal housing company.  
Research grant for the analysis and comparison of deadlines, prices, environmental benefits and working conditions in an industrialized construction site compared to a traditional construction site.

**Precast concrete structures. 2007**



Norten PH Industry.  
Research from the application and proposals for improvement in industrialization in collaboration with the Basque precast concrete company Nortenph.

**Green facade. 2005-2008**



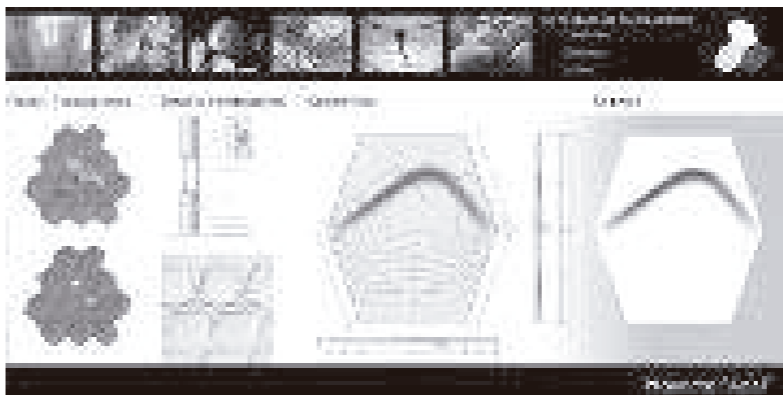
Intemper Industry.  
2008-2009 Development of research and realization of a prototype with Intemper Española "Fachada Verde". 2008 Monitoring project.  
2005 Project "Green Façade - Barcelona-Construmat house.

**Research sgraffito architectural concrete panels. 1999-2006**



Escofet Industry.  
In 2006 industrialized sgraffito project.  
In 1999 research project for the systematization in the manufacture and execution of architectural concrete panels.

**"Azal" piece. Ventilated polymer concrete facade. 2006**



Ulma Industry.  
Development of a Polymer concrete piece. The work is focused on the geometric and spatial analysis, which allows the creation of covering pieces that adapt to space and structural elements in an organic and continuous way.

**Research on natural ventilation systems. 2006**



Aeraspirators Industry.  
Analysis and development of natural ventilation systems that allow cross ventilation in housing typologies.

**Project“Torre-jardín”. 2005**

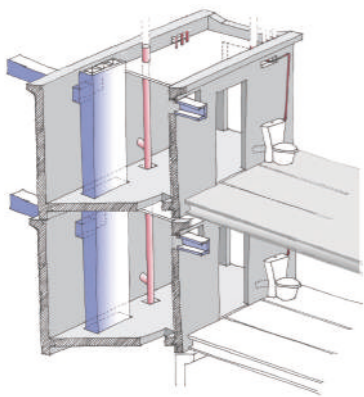
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The Torre Jardin project seeks to build a natural territory, technically reproducing its properties, in the center of the city, with the objective of providing urban comfort and improving environmental impact.

**European Commission “Biocell” project. 2003-2006**

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DGTRI European Project.  
Development of industrialized cells (heavy and light) of high energy efficiency housing, with integrated installations to the systems.  
European partners: 8.

**Research project “La tecnología de la cerámica”. 2000-2001**

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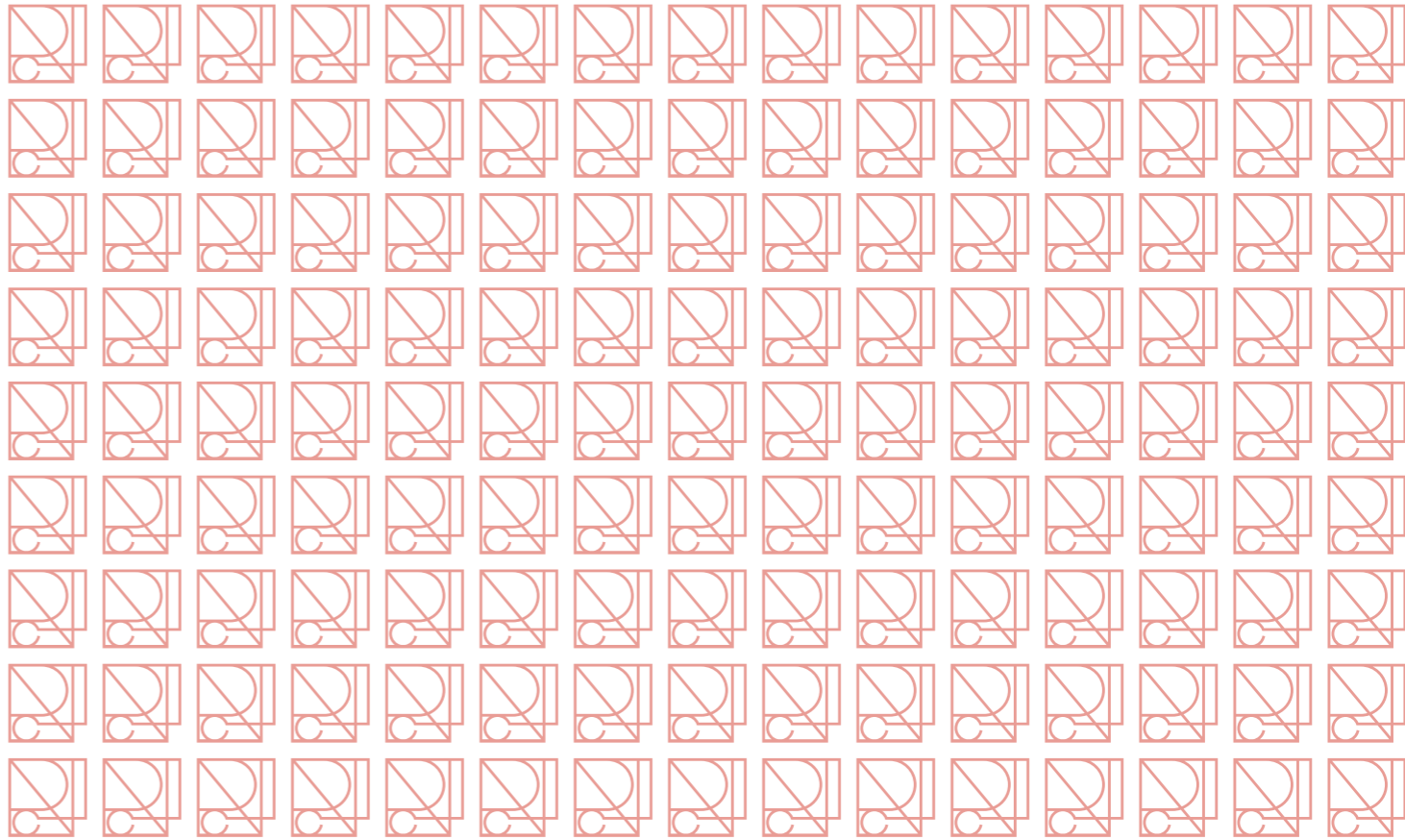
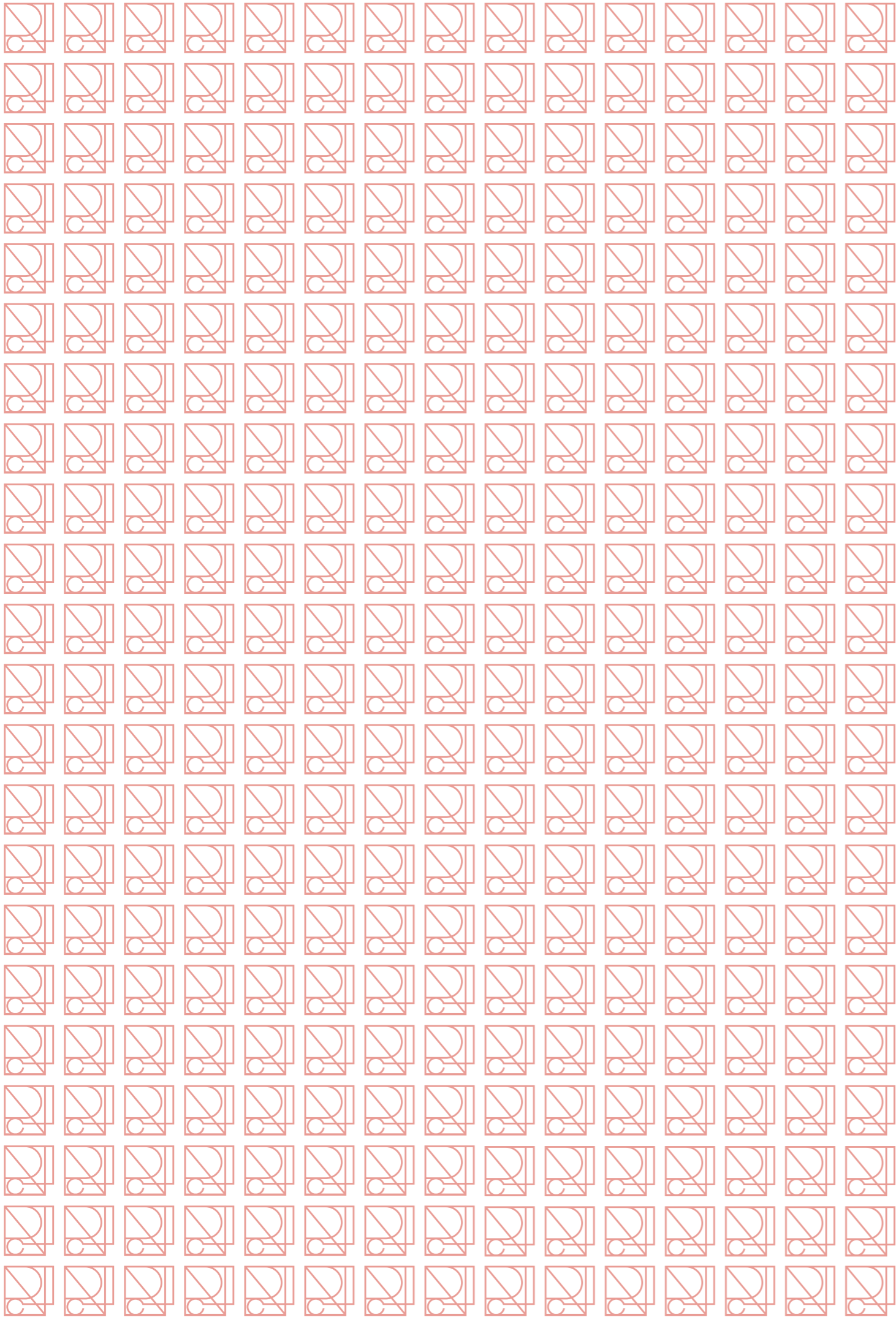
In coordination with the industry:  
Cerámicas del Ter Grupo TERREAL. SAINT GOBAIN.  
New applications of ceramic technology.  
Pilot project: single-family house in Collserola, Barcelona.

**Research project “Slope: remaking the landscape”. 2001**

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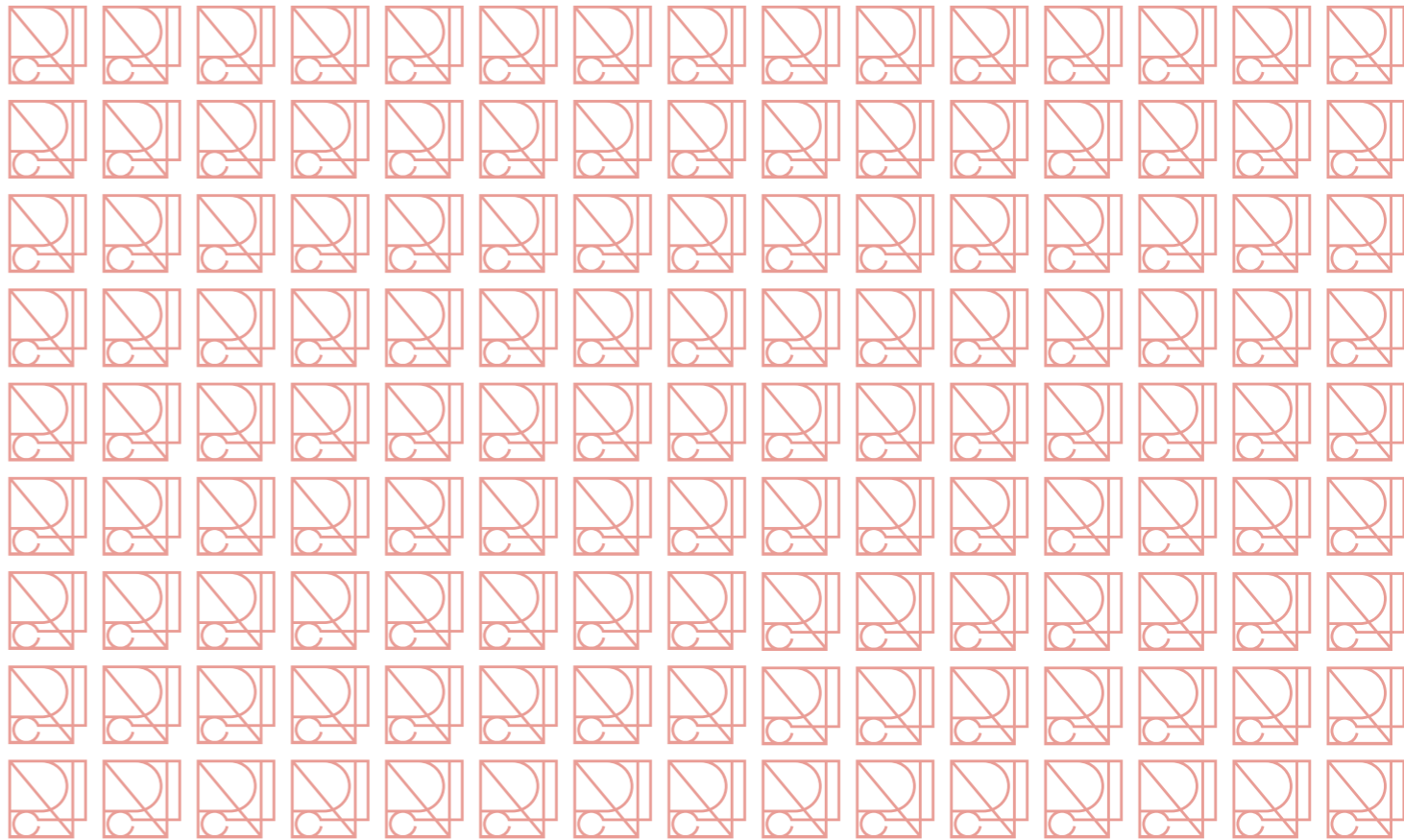
Escofet Industry.  
Piece of urban furniture designed to influence the urban landscape through its different aggregation positions.



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# SUSTAINABILITY STUDIES

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## SUSTAINABILITY STUDIES

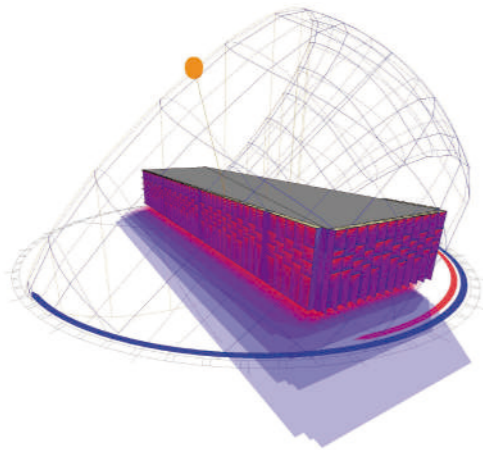
### *Hospital Sant Pau Research Institute. Barcelona. 2018*



Building for public facilities, offices and medical laboratories. This building achieves the highest LEED PLATINUM score with a construction price of 1,250 €/m2. An emblematic case in which the LEED seal does not always involve large investments. LEED - Leadership in Energy and Environmental Design - is the most widely used environmental certification tool in the world, certifying the environmental impact throughout the life cycle of a building.



### *GONSI - Socrates Building. 2018*



Multifunctional building in Viladecans, the facade has been studied according to the best natural lighting and solar control.

Analysis of the energy performance of the building and application of the climatic principles in a perimeter way, through computer calculation tools that allow to translate the climatic information into concrete constructive solutions, optimizing costs and benefits.

### *Energy analysis, improvements and economic amortization study of the town hall of Navarcles. 2018*



Solutions aimed at improving user comfort with optimal solutions in terms of quality and price. The possibility of reducing energy consumption by 70% in a heritage listed building is demonstrated.



### *Catalan Sports Council Pavilion. 2018*



Rehabilitation proposal in view of the future scenario of near-zero energy buildings.

The first building in Spain to apply the certification system for sports facilities with swimming pool.



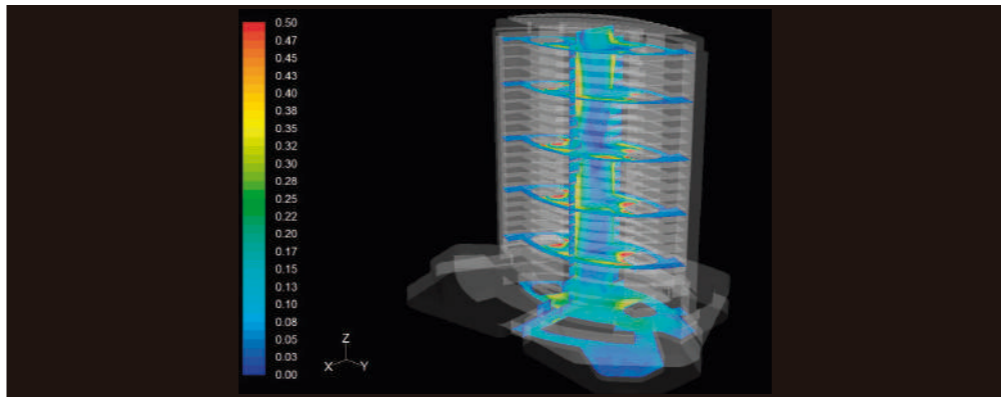
### *Reus Hospital.*



Hospital building in Reus, Tarragona.

In this building all the main space is designed for passive climate regulation. The energy study made it possible to optimally calibrate the geometry of the space to best meet its functional and aesthetic requirements.

### *Blue Horizon Hotel - Yantai.*



Energy simulation and flow analysis for the Blue Horizon Hotel project in Yantai, China.

### *Neinor Sabadell.*



Multi-family residential building.

BREEAM GOOD certificate.

Residential building that guarantees all the comfort and criteria of a sustainable building that maximizes the quality of life of users.





Multi-family residential building.

BREEAM GOOD certificate.

Residential building that guarantees all the comfort and criteria of a sustainable building that maximizes the quality of life of the users.



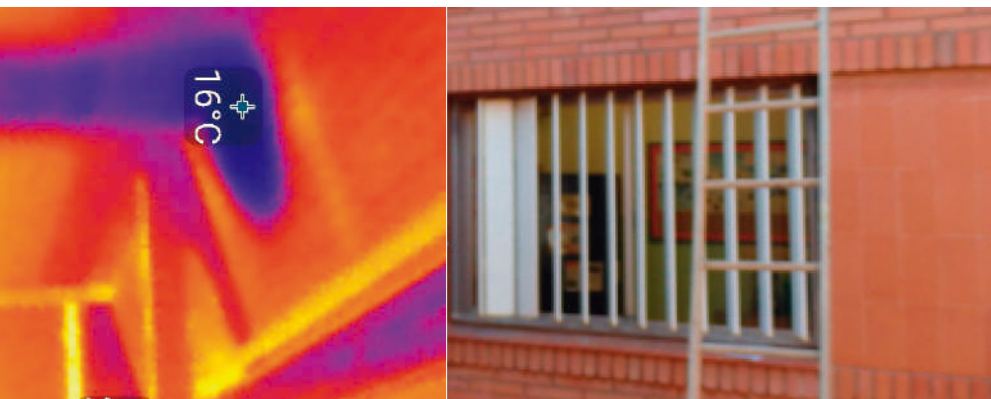
### NZEB energy reform study - Existing building in Navarres Town Hall. 2017



Monitoring, energy analysis, improvement proposals and economic amortization study. Solutions aimed at improving user comfort. Demonstration of the possibility of reducing energy consumption by 70% in a heritage listed building.



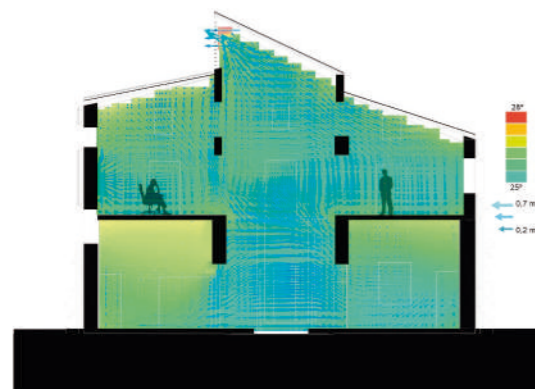
### Audit + basic project for the NZEB refurbishment of the Àngel Guimerà school in Pallemà. 2017



Monitoring, energy analysis, improvement proposals, economic amortization study and basic project of the Àngel Guimerà school. The possibility of obtaining a net zero consumption school is demonstrated.



### Climatic comfort Contest. 2018



The first objective of buildings is to ensure the best comfort for users. Energy efficiency depends on the level of comfort that can be guaranteed naturally in the spaces.

Dynamic energy simulations make it possible to compare the energy performance of buildings with the comfort level of users. With the use of advanced software it is possible to analyze the energy performance of new and existing projects, this allows to define the best solutions and to quantify the payback time of the proposed interventions.

### Equipment building - Leitat. 2016



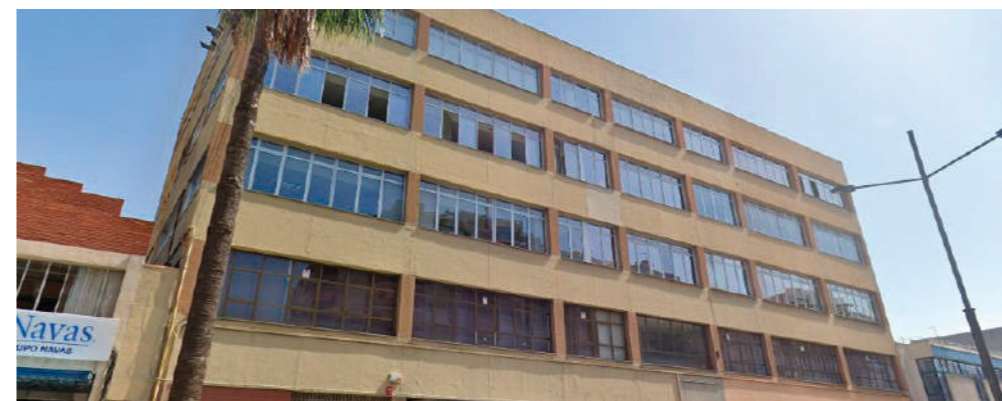
Research center and office building of the LEITAT foundation.

VERDE 4 Sheets Certificate.

Building based on the maximum development of local technology applied to construction.

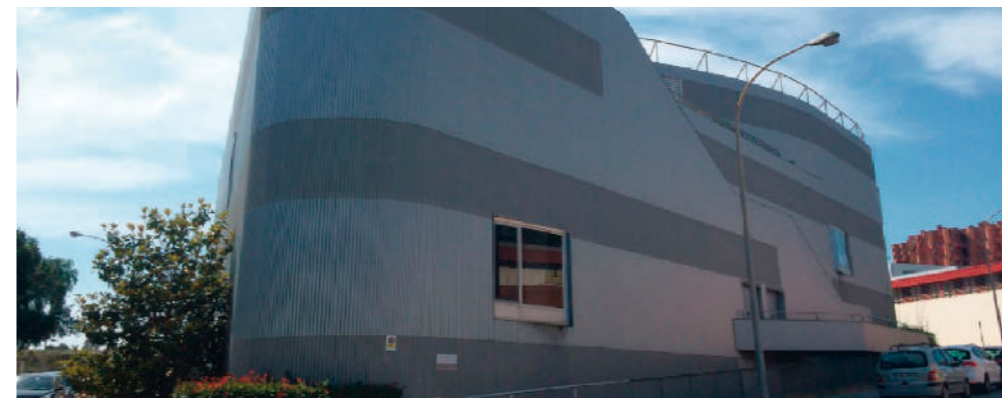


### Energy audit of an office building. 2009



Energy study of an industrial building located at Avenida Carillet 219 in Hospitalet de Llobregat.

### Energy certification of an office building. 2009



Energy certification of an industrial building located at 3, Puente Reixat street in Sant Just Desvern.

### Energy audits and certifications for the Sant Martí district. 2008



Tutoring of the work of auxiliary technicians to perform energy certifications and audits contracted by the district of Sant Martí. A total of 6 audits and 18 certifications were carried out.

**Energy rehabilitation of an office building in the city of Malaga.** Malaga. 2007



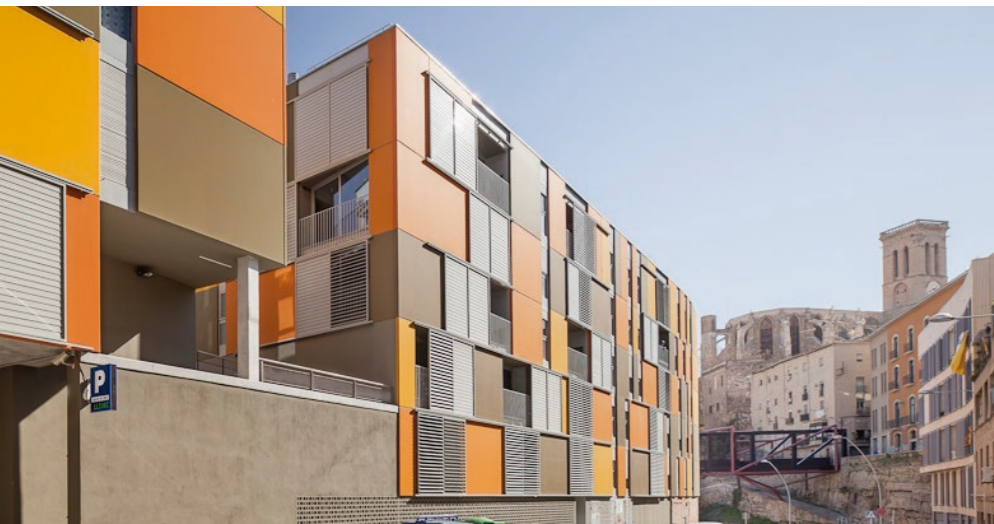
Energy retrofitting in resource-intensive office buildings should offer a variety of creative solutions to improve both living conditions and economic savings.

**Training course for energy certification and monitoring for the Sant Martí district.** 2007



Realization of a 152h training course for the district of Sant Martí. The course trains auxiliary technicians to perform energy certifications and audits.

**Social housing building in Manresa, monitoring and energy audit.** Manresa. 2011-2013



Building consumption monitoring and audits, energy advice and consultancy.  
Research project (Balanced European Conservation Approach).

**Monitoring of a building in the old town of Toledo.** 2013



This is an existing residential building in the old part of the city of Toledo, where a few years ago some Islamic baths were discovered.  
Monitoring project of the energy performance of the house.

**Monitoring of “Pomaret” semi-detached houses in Barcelona.** Collserola. 2012-Currently

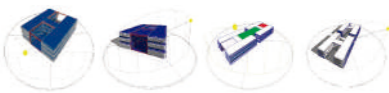


New buildings with minimum energy consumption. All data from the remote management and control system will be stored in an Internet portal. A monthly report will be made detailing the consumption and general data of the houses.

**Energy refurbishment and monitoring of the Gardeny agri-food technology center.** Lleida. 2012



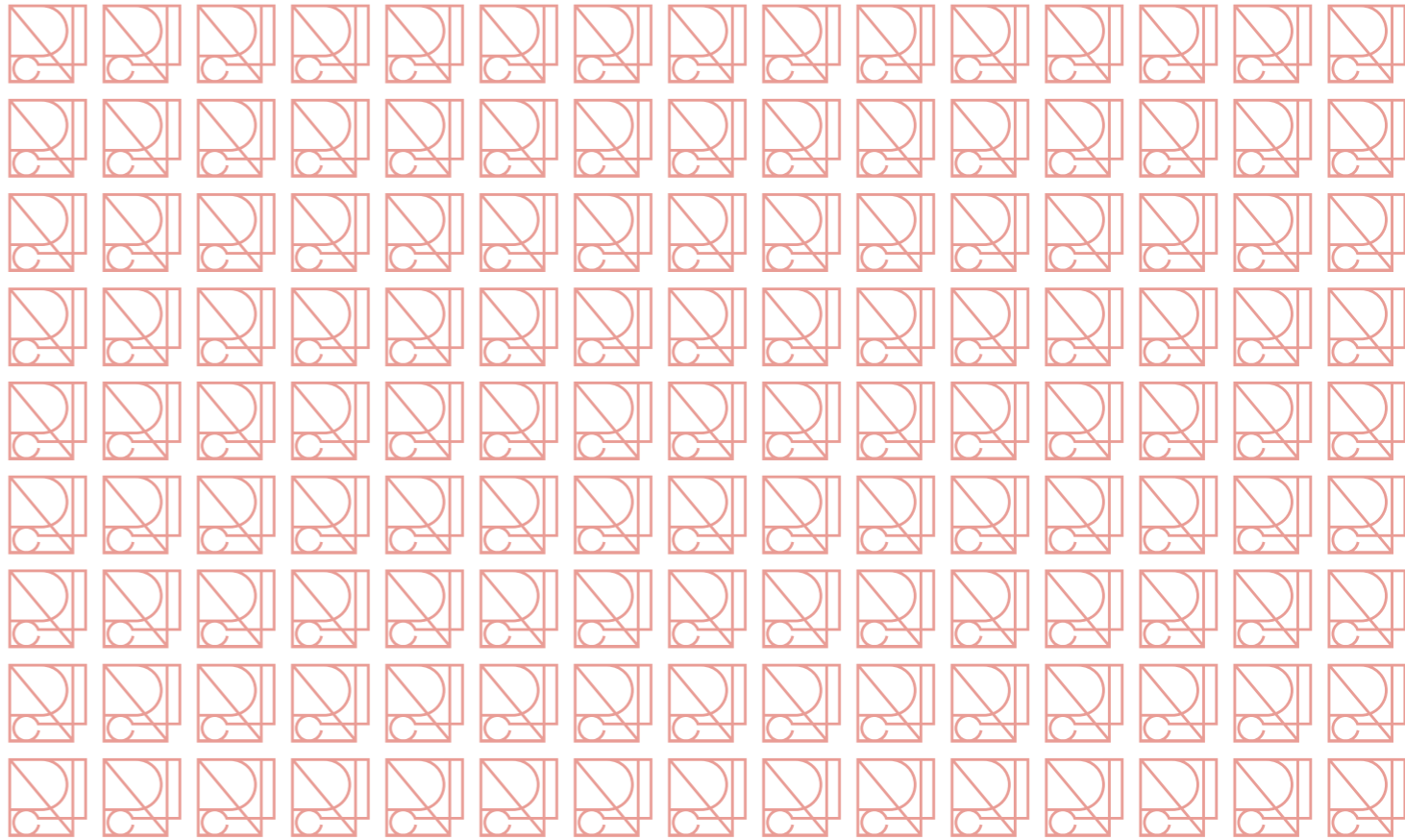
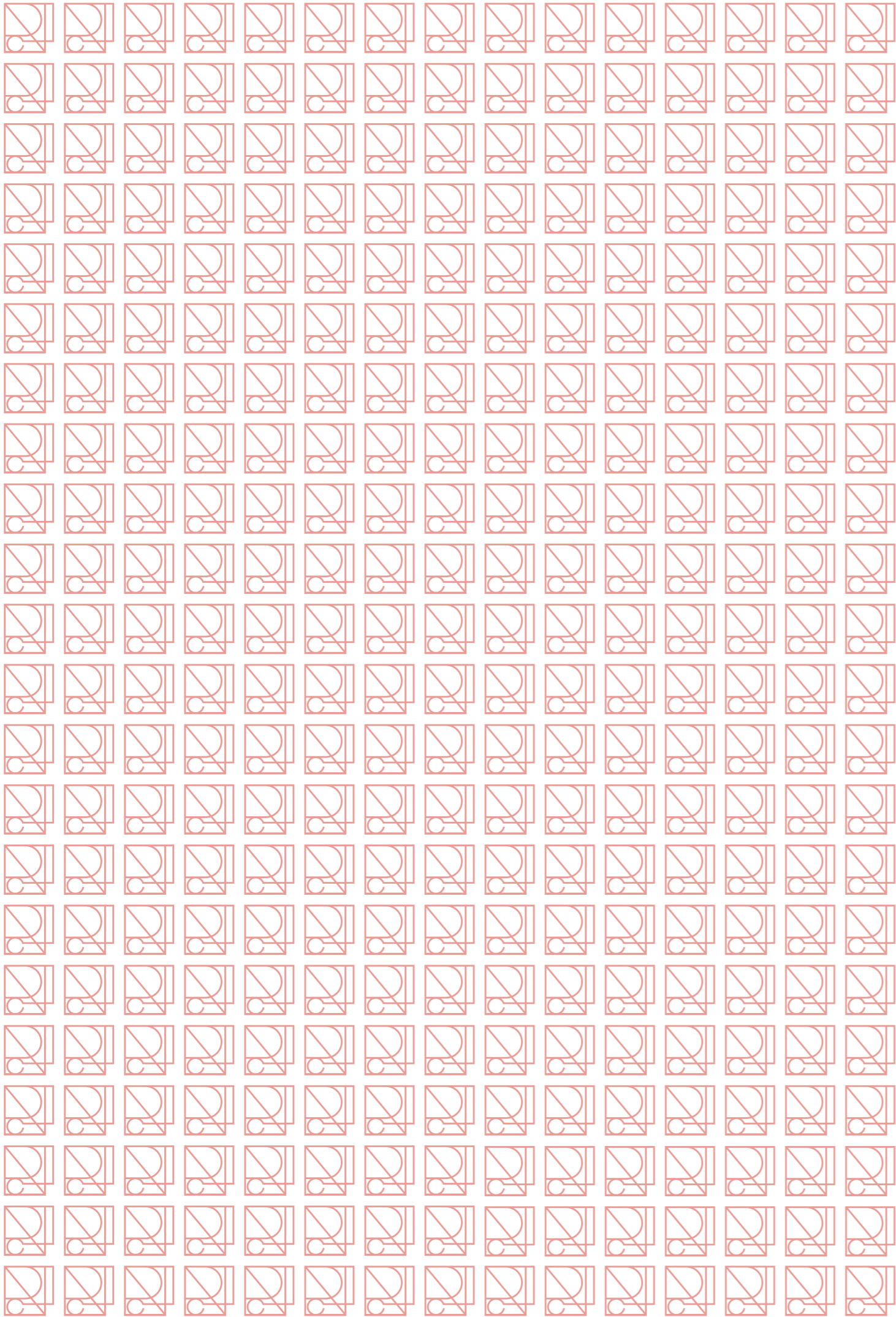
Energy and environmental certifications and rehabilitations of existing buildings.



**Energy audit of a multi-family building in Plaza Urquinaona.** Barcelona. 2010



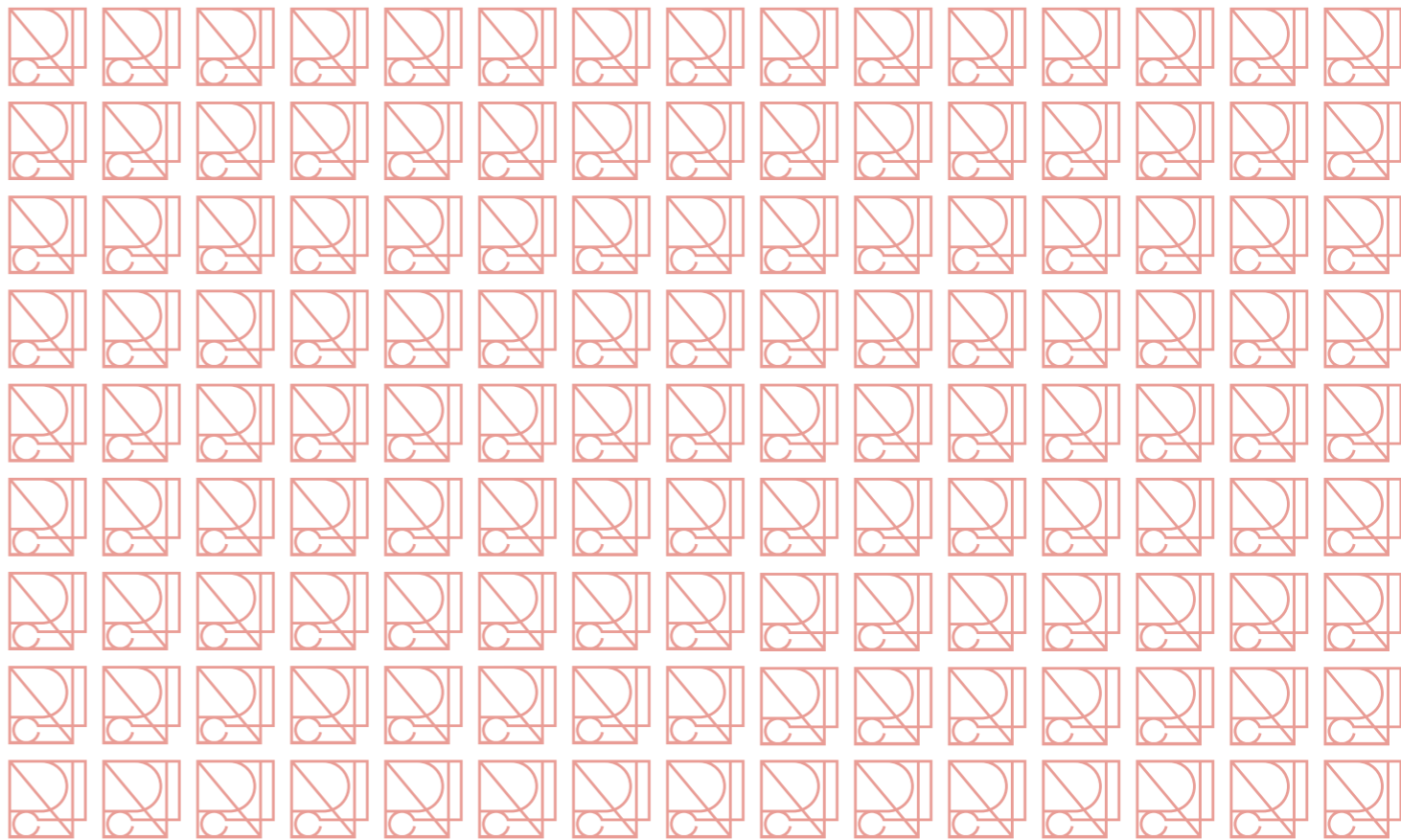
Energy audit of a multi-family building located in Plaza Urquinaona.

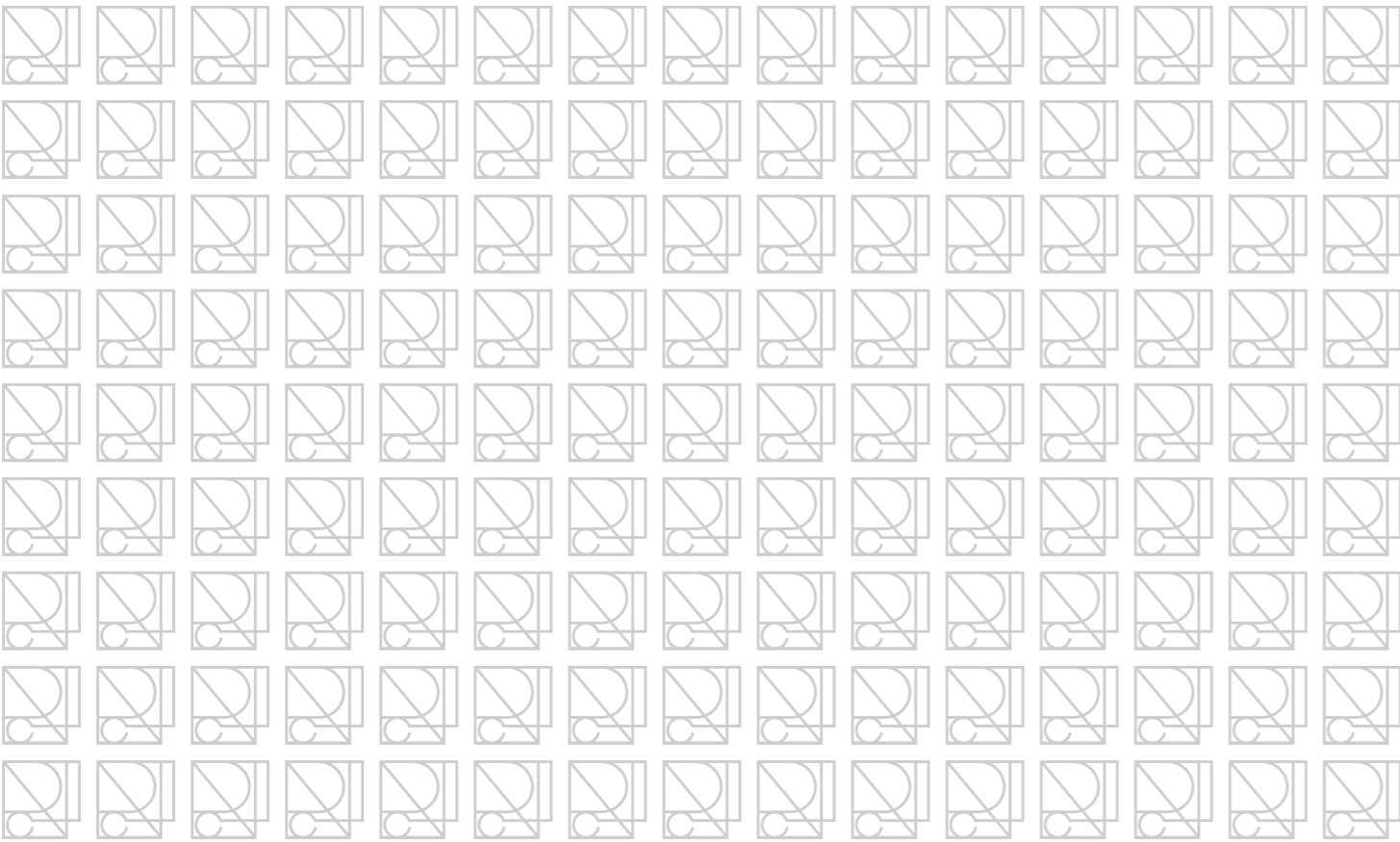


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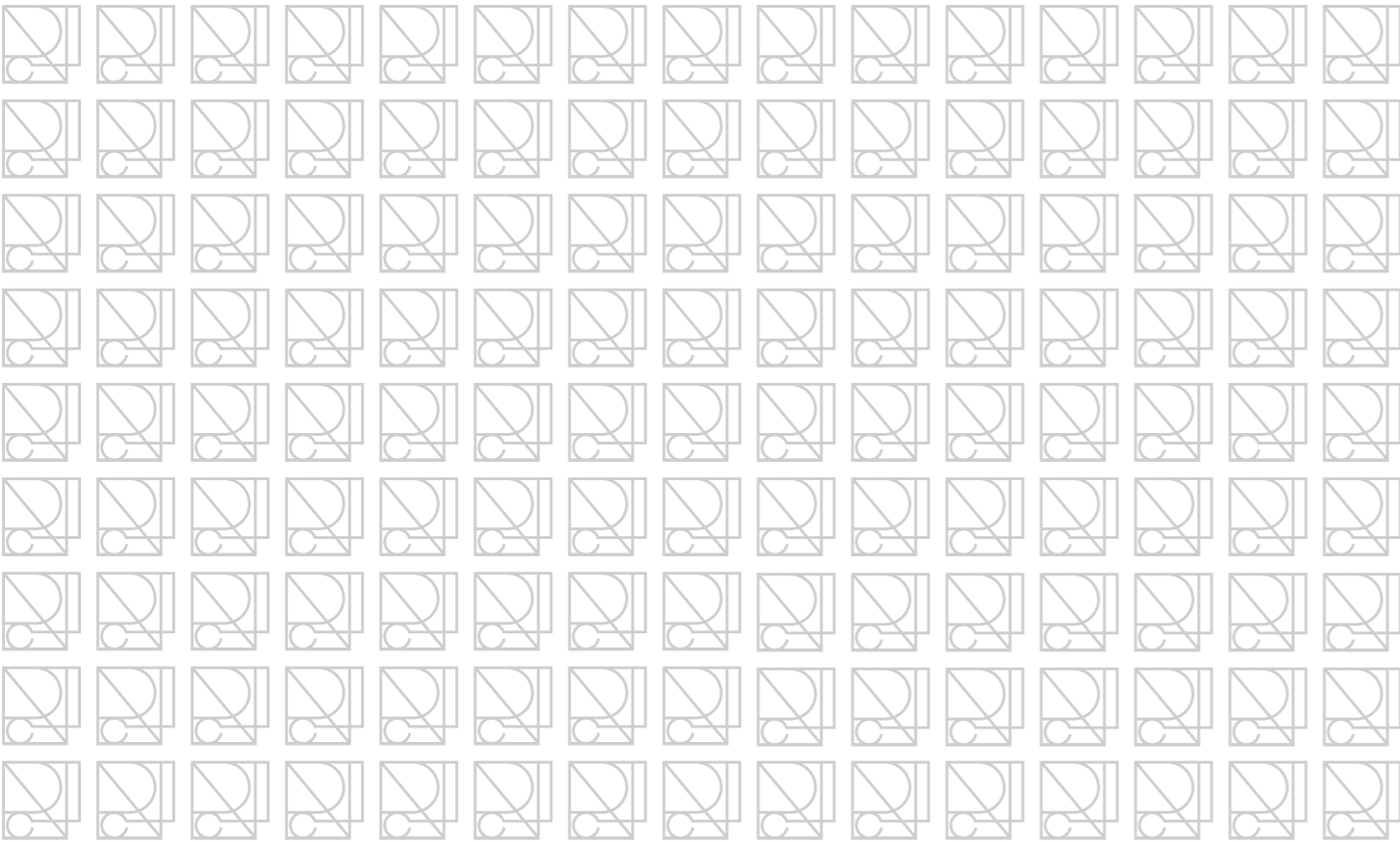
**AWARDS, PUBLICATIONS, ACTIVITIES,  
TEACHING-MASTER'S DEGREE,  
POSTGRADUATE PROGRAMS**

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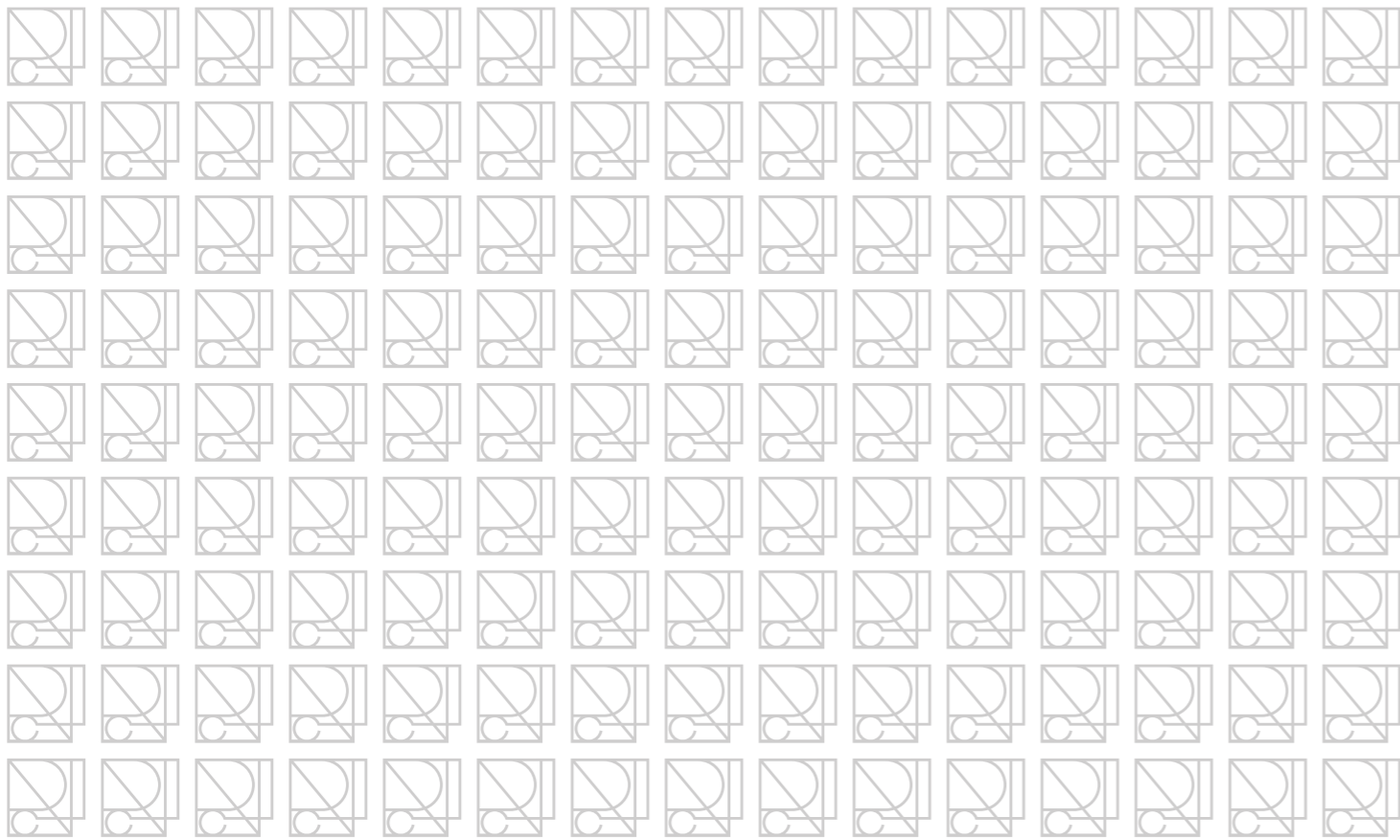


# AWARDS

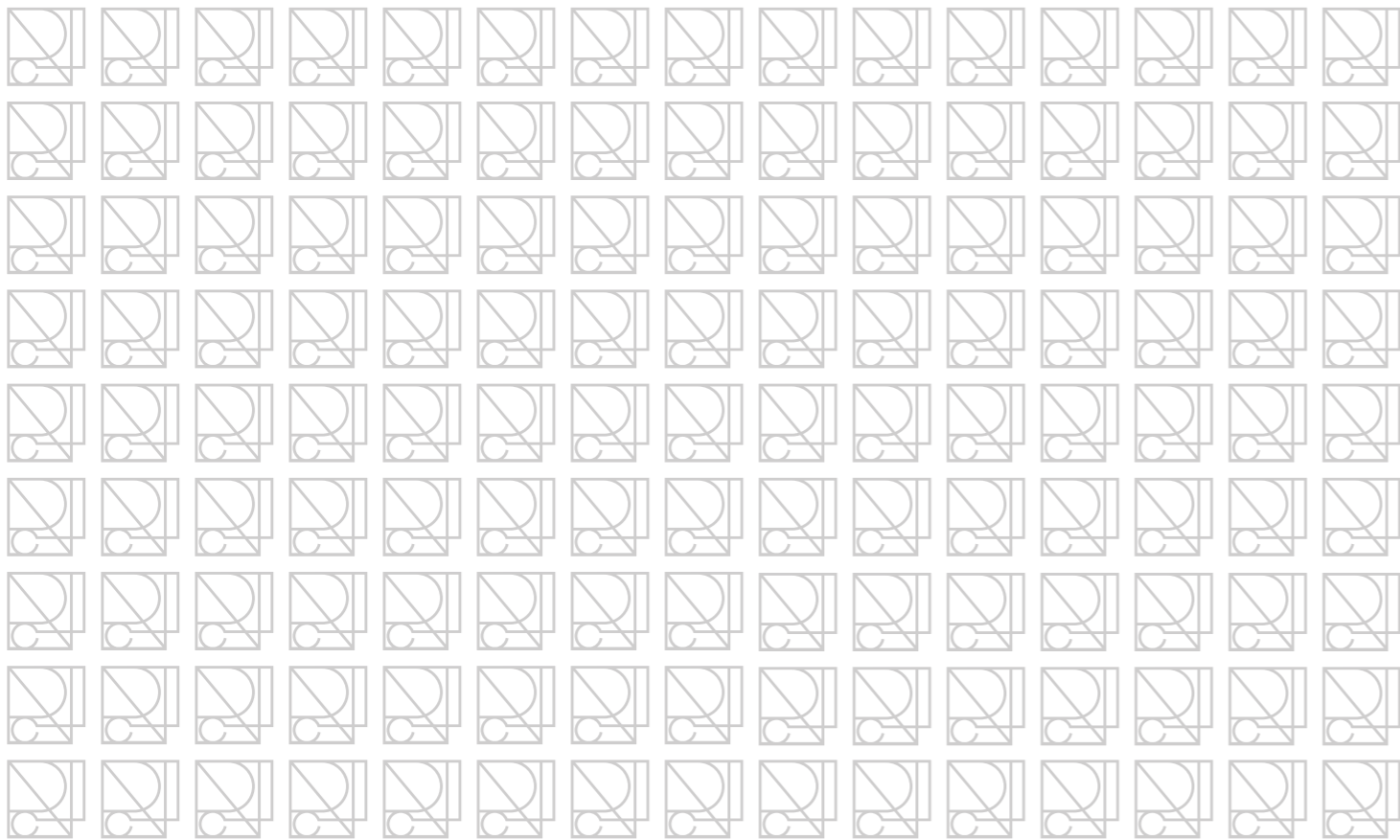


## AWARDS

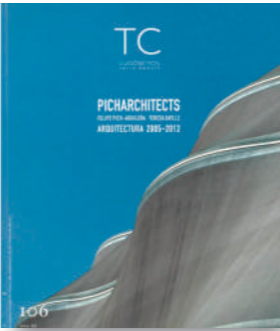
- 2020  
**XVIII Ceramics Awards. 1st Prize for Architecture**  
Research Center at the Hospital de la Santa Creu y Sant Pau.
- 2018  
**Award for innovation and research in concrete**  
in concrete, awarded by the Eduardo Torroja Foundation.  
“Climate Concrete Project”.
- 2017  
**Sustainable construction awards of Castilla y León. 1st State Prize**  
Building for tertiary use by the “Technological Center Leitat”.
- 2016  
**Build Awards 2016, Industrial Buildings.**
- 2015  
**CEMEX Awards. 2nd International Sustainability Award.**  
San Bernabé” Center Monterrey, Mexico.  
**CEMEX Awards. 1st International Award for the best social services building.**  
San Bernabé” Center Monterrey, Mexico.  
**Catalunya Construcció” Awards. Finalists.**  
Extension “Teresianas-Ganduxer”.
- Work of the Year Awards. 2nd Prize for the Work of the Year in the category of urbanism.**  
San Bernabé” Center Monterrey, Mexico.
- Awards College of Architects of Catalonia (COAC). Award for the “International Exhibition of Catalan Architecture”.**  
Housing in Rennes.
- 2014  
**Competition on innovation and sustainable industrialization “3ème Millénaire” - Habitat Toulouse. 1st Prize.**
- 2011  
**Awards from the Consejería de Obras públicas de la Comunidad de Castilla y León. 1st Prize in the European field for the best work towards sustainability.**  
Building “Parque Científico Tecnológico Agroalimentario de Lérida”.
- 2010  
**IV call for “Nan Awards”. 1st Prize for the “Best integration of energy in architecture”.**  
Sant Joan de Reus building.  
**Aplus” Awards for Sustainable Architecture. 1st Prize for Sustainable Architecture.**  
Building “Centro Científico Tecnológico Agroalimentario Gardeny”.
- 2009  
**Cataluña Construcción” Awards. “Silver Fish Project - BWM initiative”. Selection of the most innovative initiatives in the city of Barcelona. Jury formed by the Barcelona City Council. 1st Prize for the most innovative rehabilitation work.**  
Building “Centro Científico Tecnológico Agroalimentario Gardeny”.
- 2008  
**“Endesa Awards”. 1st Prize for the best Sustainable Housing Development.**  
Promotion “Casas Kyoto”. Private developer PMP.
- 2007  
**“Endesa Awards for the most sustainable real estate development / BMP’07”. Special mention.**  
Puente Reixac” industrial buildings in Sant Just Desvern.
- 2006  
**Award for the professional trajectory of protection and improvement of the environment in sustainability for building. Environment Award from the Ministry of Environment and Housing of the Generalitat de Catalunya.**  
  
**1st Prize for Sustainable Architecture .**  
Building “Call Center of Installations II. Toledo. Civitas Nova Forum.
- Award for Housing and Urban Planning in Castilla-La Mancha.**
- 2005  
**Presentation and National Award at the Tokyo Congress.**  
Work presented to the Green Building Challenge “Edificio Pau Claris”.
- Catalonia Construction” Awards, organized by the Association of Quantity Surveyors and Technical Architects of Catalonia. 2nd Prize.**  
“Architectural concrete sgraffito facade in Pau Claris”.
- 2004  
**“Green Building Challenge. Ministry of Public Works and the Higher Council of Spanish Architects’ Associations. National selection of works respectful of “Energy Consumption and the Environment”.**
- 2003  
**Cousteau Foundation-Sant Feliu de Guixols City Council. Girona. Spain. 1st Prize.**  
Preliminary design of the visitor center and research center “Centro Cousteau-Planeta Océano”.
- 2002  
**Ideas competition for the incorporation of new systems and technologies for the design of housing construction” in the Foundations and Structure section. 1st Prize of the “Award of the Department of Territorial Policy and Public Works of the Generalitat de Catalunya.**
- 2000  
**FIRA Construction Prize BAU. Munich. Munich. Germany. Construction Innovation Award.**  
House “Casa Teresa”.
- 1996  
**National Selection Awards of Young Architects of Spain, of the “Antonio Camuñas Foundation”. Award and exhibition.**  
Single-family house “Casa Pencho”.
- European housing competition European IV. Helsinki. Honorable mention.**
- 1991  
**“Construmat Awards” (Affordable Innovation Awards). Mention.**  
Residential building in Passeig Sant Gervasi, Barcelona.



# PUBLICATIONS



## OWN PUBLICATIONS



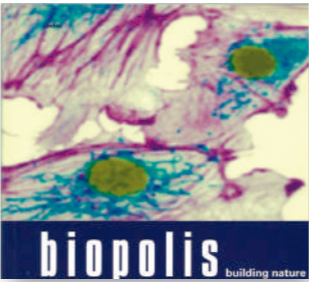
**“TC Cuadernos N° 106”**  
· *PichArchitects* ·  
**Felipe Pich-Aguilera. Teresa Batlle.**  
Architecture 2005- 2012.  
Monography Pich-Aguilera / PichArchitects.  
*Published in 2012.*



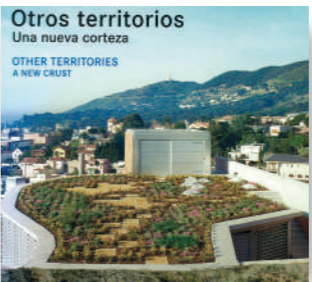
**“Engaged with reality”**  
**Equip Arquitectura Pich-Aguilera**  
**Felip Pich-Aguilera. Teresa Batlle.**  
Publication of the main works of the last  
10 years. Editorial Actar.  
*Published in 2008.*



**“Arquitectura industrializada, una  
respuesta real”**  
Publication-reflection on industrialized  
concrete works. El Polvorín Housing and  
Sant Cugat School. Editorial Actar.  
*Published in 2006.*



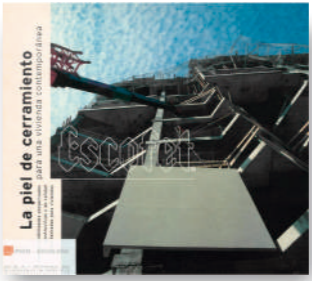
**“Biópolis, building nature.  
Pich-Aguilera, architects”**  
Publication of the Aedes Gallery of the  
project and the work that resulted from  
the exhibition.  
*Published in 2003.*



**“Otros Territorios.  
Una Nueva Corteza”**  
Publication-reflection on ecological  
cistern roofs, application to a house in  
Collserola. Editorial Actar.  
*Published in 2002.*



**“La arcilla Tecnológica, Nuevo Origen  
para la arquitectura Contemporánea”**  
Publication-reflection on the new appli-  
cations of ceramic elements, application  
in a house in Collserola. Editorial Actar.  
*Published in 2001.*



**“La piel de cerramiento para una vivien-  
da contemporánea”**  
New design possibilities,  
constructive and quality possibilities in  
housing facades”. Publication reflecting  
on architectural concrete facades. Edito-  
rial Actar.  
*Published in 1999.*

MAIN DIGITAL PUBLICATIONS

- **Blog**  
www.picharchitects.com/blog/
- **Facebook**  
www.facebook.com/Picharchitects
- **Twitter**  
www.twitter.com/PICHarchitects
- **LinkedIn**  
www.linkedin.com/company/picharchitects-pich-aguilera/
- **Metalocus**  
www.metalocus.es
- **Architizer**  
www.architizer.com
- **Archilovers**  
www.archilovers.com
- **Archello**  
www.archello.com
- **Hic**  
www.hic.com
- **A vivre editions**  
www.avivreeditions.com
- **Architopik**  
www.architopik.com
- **aRoots**  
www.aroots.com
- **Tectónica blog**  
www.tectonicablog.com
- **Arch2O magazine**  
www.arch2o.com
- **AECCAFE**  
www10.aeccafe.com
- **Vía Construcción**  
www.viaconstruccion.com
- **Plazatio**  
www.plazatio.com
- **World Architects**  
www.world-architects.com
- **Baunetz**  
www.baunetz.de

PAPER PUBLICATIONS

- 2019  
**ARQCO 2019\_2019/02.**  
Intercompany average Sant Pau building.  
**CIC architecture and sustainability**  
Article Jordi Paris: sustainability as an opportunity.  
**Conarquitectura april 2019.**  
Sant Pau building + a special of the Sant Pau envelope.  
**FORMA on the road.**  
Architectural guide of Barcelona Pere IV + Santa Madrona.  
**IECA**  
Leitat Thermal Inertia Application Manual.  
**NAN construccion. April 2019.**  
Sant Pau.  
**Promateriales. May 2019.**  
Sant Pau.  
**48h open house. October 2019.**  
Sant Pau.  
**TC Cuadernos.**  
“Palabras a mano alzada”. It publishes an extensive article from a few years ago and sketches of Felipe.  
**La Vanguardia.**  
Article Llatzer Moix de Sant Pau + MIPIM Sant Pau Award.  
**Arquitectura Viva.**  
Monograph - Sant Pau.  
**Barcelona Regional.**  
Work developed IDEAS IN TORRENT ESTADELLA of Barcelona  
● 2018  
**Towards an efficient and equitable model. The environment in the present and in the future”.**  
Article “The NZEB building, the new architectural model that consumes zero: the experience of picharchitects”. Edited by the Col·legi d’Economistes de Catalunya.  
**3rd Congress of Economics and Business of Catalonia”. “International Conference on Construction Research.**  
Article and award “Climate Concrete - Prefabricated solution for bioclimatic façade design”. Published by the Eduardo Torroja Institute.  
**“La Cellera – Grupo de Trabajo y reflexión pedagógica”.**  
Number 6 “Reflections on school architecture and the pedagogical project”.  
**“Hoteles y lugares de descanso”.**  
Publisher “arquiTK-Mexico”. Publishes the Aparthotel “Akosuites” in Barcelona.  
● 2017  
**Urban planning practice nº145 SUSTAINABLE BUILDING.**Article Environmental architecture in “España Hoy”.  
**Construction reports.**  
Article “Conception and realization of ceramic lattices, a constructive evolution”.  
**Generalitat de Catalunya: practical notebook collection Nº11.**  
Direction and development of the Nearly Zero Energy Buildings Guide.  
**ARQUITK nº 102 Architecture for health.**  
Reus Hospital and Leitat Technological Center.  
**INNOVA apc16.**  
Self-supporting roof of the “Joan Oliver-Pere IV” Civic Center.  
**Arq&s Mexico nº5.**  
Leitat Technological Center.  
**Strelka Russia Magazine.**  
Houses Santa Madrona y Gavà.  
● 2016  
**ARQUITK nº 97.**  
Leitat Technological Center.  
**Promateriales.**  
Paideia Special School, Can Canal-Cabrera de Mar, Les Corts Civic Center, Aura Seguros-Office Building, Leitat Technological Center, and Sedatex refurbishment.  
**Conarquitectura.**  
Yearbook 2016- Les Corts Civic Center.  
**Cemex Works Awards.**  
San Bernabé Community Macrocenter.  
**ARQ&S nº 4.**  
San Bernabé Community Macrocenter.  
**Arquitectura Viva nº 156.**  
Josep Guinovart School.  
**Habitat Futura.**  
New Hospital Sant Joan de Reus.  
**HI-DESIGN, Kindergarten architecture.**  
CEIP Josep Guinovart.  
**Cercha.**  
Magical.  
**Lattice facades.**  
Casa Teresa.  
**Conarquitectura nº 48.**  
Casa Pomaret.  
**HI-DESIGN, Xina.**  
“Sustainable & green building” Hospital Sant Joan de Reus.  
**ARQUITK.**  
Hospital Sant Joan de Reus.  
● 2012  
**“El Llibre Viu 22@”.**  
Publication edited by the 22@ Network association, Barcelona, Spain.  
**ACTAR.**  
Guide to Barcelona. Editorial Actar. Spain.  
**PROMATERIALES.**  
Architecture Study Guide 2012. Editorial Protiendas, Spain.

PAPER PUBLICATIONS

**DETAIL GREEN.**  
Hospital Sant Joan de Reus.

**ICAEN.**  
“Cultura Energética” Article.

**Future.**  
Advanced Neighborhood of Toledo.

2011  
“**Towards sustainable housing**”.  
Author: Manel Gausa. Generalitat de Catalunya/Advisory Council for sustainable development.

**ON DISEÑO. “Hospital Architecture”.**  
Reus Hospital

**Publication of the Barcelona City Council.**  
“Escuela Fort Pienc” and “Les Casernes” School.

**Construmat Fair.**  
Publishes all activities curated by Pich-Aguilera and EIG.

**Habitat Futura.**  
Rehabilitation “Gardeny PCiTAL.

2010  
“**3rd Exhibition of architecture of the lands of Lleida**”.  
PCiTAL-Gardeny. Magical-Gardeny. Clover Pool.  
**Gas Natural “Energy Efficiency Study”.**  
Kyoto House and PCiTAL-Lleida.

**Architecture of public facilities in Catalonia. 2000-2011.**  
Generalitat de Catalunya. Publication of the most significant works built by the Generalitat de Catalunya. Published works: CEIP Gerbert d’Orlach, CEIP Terrassa, CEIP Eulàlia Bota.

**Sustainable construction.**  
Valencian Community University Forum. Interview with Felipe Pich-Aguilera

**Todo Hospital nº 266**  
Monograph. Article “The new Hospital de Sant Joan de Déu, in Reus”.

**DETAIL. School centers “An industrial reality”.**  
Publishes the work and article. “An Industrial reality: four schools, four industrial systems.

**Arquitectura Viva nº 130 “The solar hour”.**  
Pcital-Lleida.

**ON DISEÑO nº 310.**  
“Sustainability in architecture versus sustainable architecture.” Pcital-Lleida.

**Construction Reports No. 517.**  
Superior Council of Scientific Research. Sustainability in construction. PCITAL-Lleida. “Revitalization of old barracks from a new climatic space. Criteria for the reduction of energy demand”.

**Architecture for health.**  
18 years of healthcare architecture. Catsalut 1991 to 2009. Reus Hospital.

**Architectures of public facilities in Catalonia 2000-2010.**  
CEIP Eulalia Bota and CEIP Fort Pienc.

2009  
“**Recycling and reconverting to create a bioclimatic space**”.  
PCITAL-Lleida.

**Architecture, construction, engineering and equipment magazine.**  
Social housing Vitoria-Gasteiz.

**Ways to project**  
Kyoto House.

**Cic-construction.**  
Special office publication “Contemporary Corporate Architecture”.

**Editorial Daab.**  
Call Center Toledo.

**“Design in Spain”.**  
PCITAL-Lleida.

**PrefabHouses.**  
Kyoto House.

**Concrete Plant + Precast Technology. Betonwerk + Fertigteil-Tecnik. Germany.**  
Kyoto House.

**GRUPO VIA.**  
“Who’s who of sustainable architecture”. A + Architecture + sustainable.

**Cic-Construction. Habitat Futura. Group Via.**  
Publications in specialized construction magazines on the construction of the “Casa Barcelona” pavilion. Construmat 09. “Windows, doors and glazed enclosures”.

**Publication Generalitat de Catalunya. General Directorate of Housing and Environment. “14Kg of CO2”.**  
Article “Industrialization and how it approaches sustainability”.

**TECTÓNICA. Energy (I).**  
22@ office building.

2008  
**Ceramic rinds.**  
Call center Toledo.  
**Arketypo, architecture, art and design.**  
Visesa. Torre de Jardines and Nursery Torressana.

**Ephemeral Public, ceramics in architecture.**  
Ascer. Call Center Toledo.

**Case a basso consumo energetico.**  
Italy. Collserola House.

**DETAIL.**  
Residential building in Zabalgana in Vitoria.

**TECHNIQUES & ARCHITECTURE.**  
Call Center Toledo.

PAPER PUBLICATIONS

2007  
**The New Environmental Sensitivity in Spanish architecture 2000-2007. CLIP MEDIA.**  
Block of apartments in Barcelona’s Ensanche district.

**New Patents. New Architectures in Catalonia.**  
Muro Cortina Mediterraneo, office building 22 @

**Sustainable architecture.**  
Call Center Toledo.

**Thinking in Barcelona. Innovation, product, services, city**  
Residential building in Barcelona’s Ensanche district.

**Architecture theme. Tertiary architecture: offices 1.**  
Call Center Toledo.

**ON DISEÑO nº 284, Office buildings**  
Call Center Toledo.

2006  
**Architecture and Design nº 62.**  
Publishes the firm’s work in an article on “Innovative and efficient facades”.

**Conarquitectura nº18.**  
Toledo Call Center. Casa Barcelona-Fundación Mies Van der Rohe-Construmat. “The green façade”.

**ON DISEÑO nº 274.**  
22@ office building.

**Arquitectura Viva green tag nº 105.**  
Call Center Toledo.

**Climas-climates Nº 16.**  
Call Center Toledo.

**TC CUADERNOS-Valencia, “Arquitectura escolar 2”.**  
CEIP Ponent-Terrassa.

2005  
“**The 2005 World Sustainable Building. Action for Sustainability**”.  
Publications of the Ministry of Housing and the Congress in Tokyo of the building selected as a national reference. Pau Clarís.  
**Architecture and landscape notebooks.**  
Article “Building renovation”.

**DETAIL.**  
Pau Clarís Building and Kyoto House.

**Metalocus nº 017.**  
“Call Center Toledo” Building.

**The reencounter with the ground in contemporary architecture.**  
“La Torre de los jardines”.

2004  
**DAU “Minimum residential space” nº 22.**  
Architecture and Urbanism Debates of the Lleida Demarcation of the College of Architects of Catalonia.

**Notebooks, Architecture and Urbanism.**  
Magazine of the Official College of Architects of Catalonia. Teresa House.

**Techniques & Architecture.**  
Actos environnement. French magazine that publishes the bioclimatic work.

**Intelligente Architektur, Zeitschrift für Architektur und Technik.**  
Germany. Garden Tower.

**Els Altres Arquitectes.**  
Publication of the Museum of Zoology of Barcelona following the exhibition of the same name. Single-family house “Casa Pencho”.

**DAU “L’escala sostenible” nº 21.**  
Debates of Architecture and Urbanism of the Demarcation of Lleida of the College of Architects of Catalonia.

2002  
**De Architect.**  
Holland. Publishes the bioclimatic work.

2001  
**Metalocus nº 6/7.**  
Theresa House and preliminary project of the city of Orly.

**Living in the neighborhoods.**  
New Replacement Housing Programs for the Improvement of Urban Areas in Catalonia. El Polvorín Building.

**ON DISEÑO nº 22.**  
Publishes the work Casa Teresa in the Saloni Awards. Barcelona.

**Interior design.**  
Teresa house.

1999  
**Architecture and landscape notebooks. nº 221.**  
The state of the question. Article “El problema de la vivienda, una asignatura pendiente” in conjunction with the work Can Baciana.

**Spanish Architecture Exportable Supply**  
Work published on CD-ROM. Published by the Superior Council of Architects and ICEX.

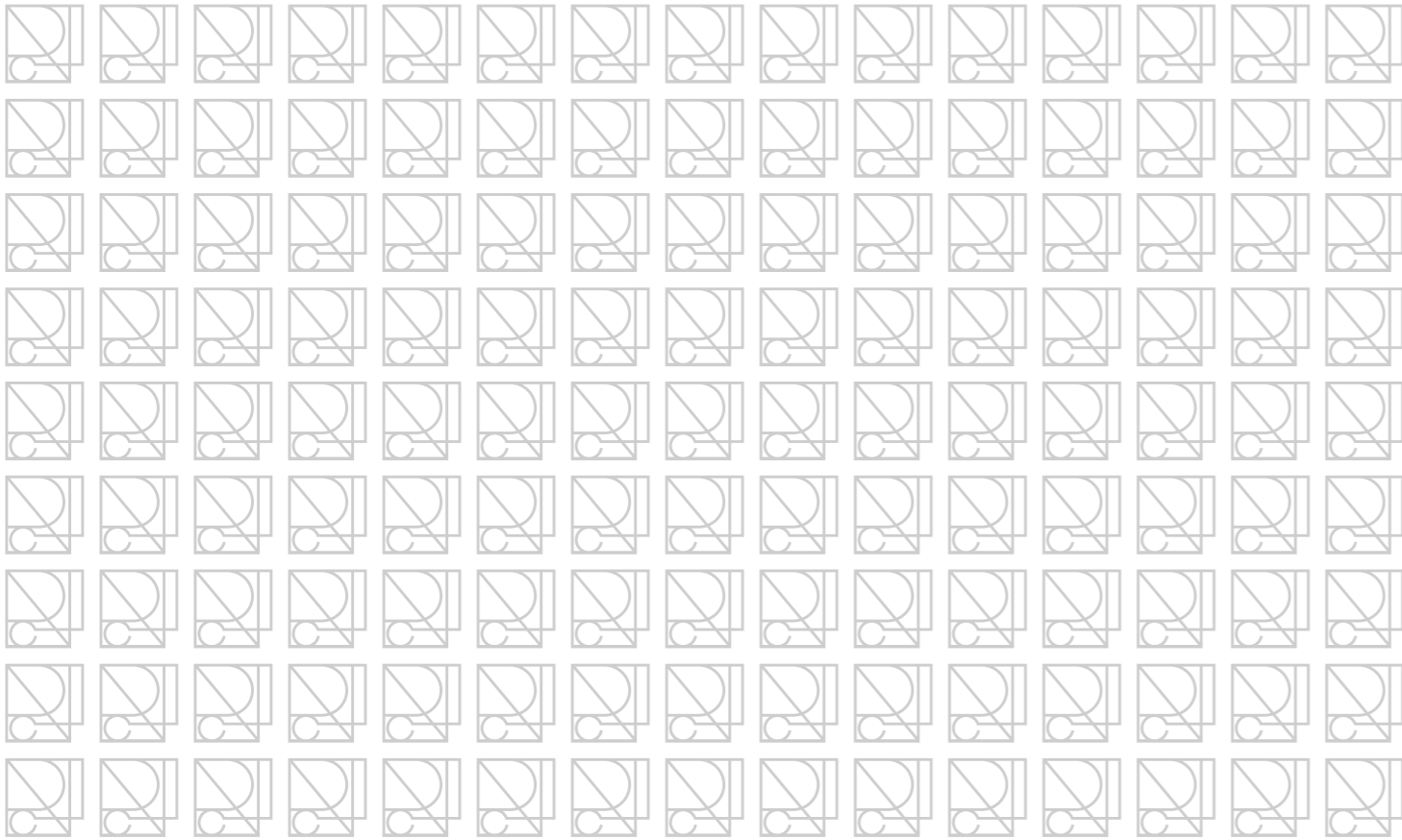
1998  
**Metàpolis, 25 Proposals x 21 Teams.**  
Publication with proposals for the expansion of Barcelona.

**Littoral ’98, Fourth International Conference.**  
Publication of the “European Coastal Association for Science and Technology” with the article of the Cala Tamarit Urbanization, “new proposals to urbanize the territory”.

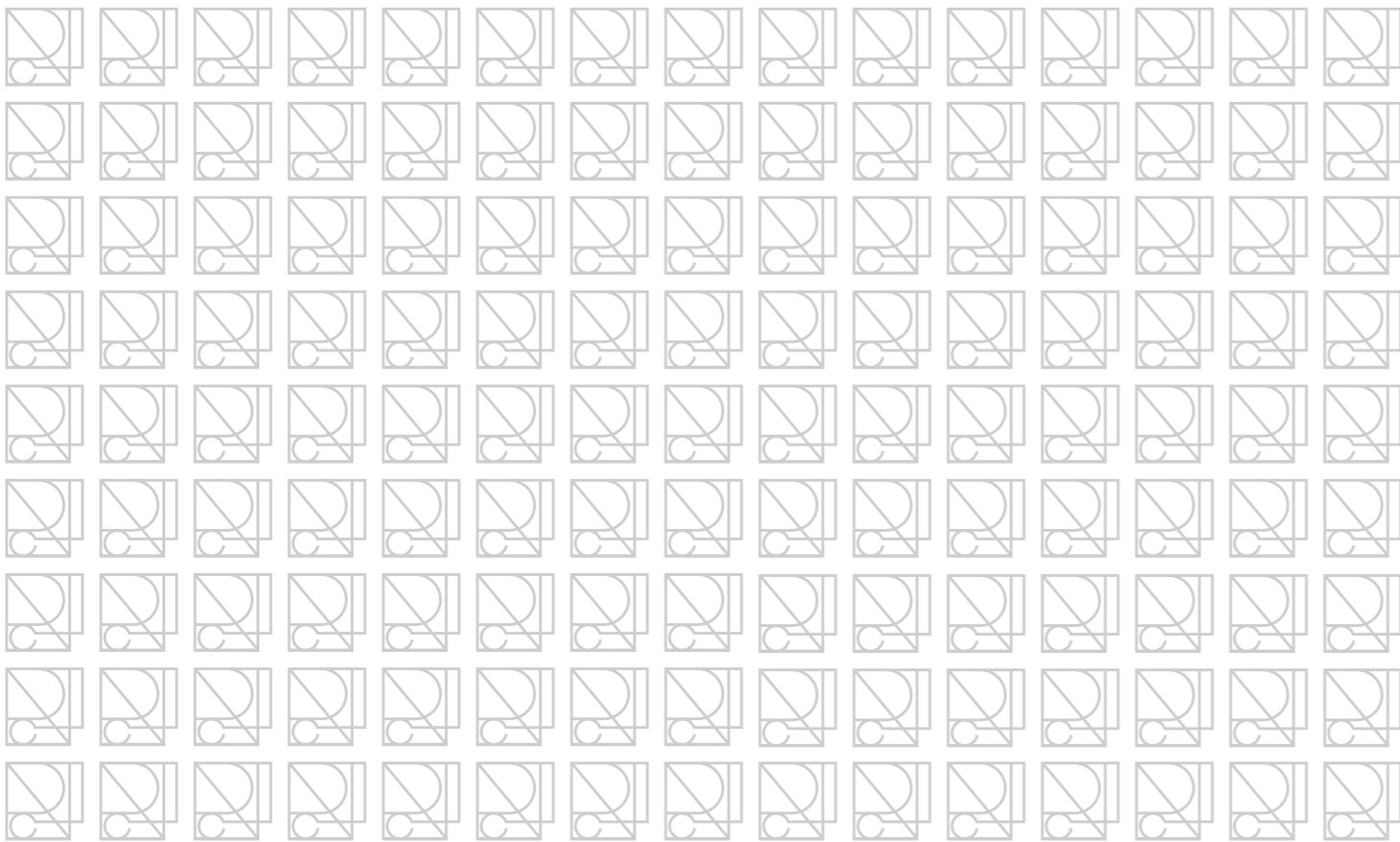
1997  
**Architecture Awards of the Counties of Girona.**  
Publication of the architects association.

1996  
**Publication of the “Antonio Camuñas” Foundation.**  
Publishes the work selected for the National Prize for Young Architects. Single-family house “Casa Pencho”.

**UIA-CHICAGO publication “The Catalans around the World”.**  
Publishes a work in Quito, Ecuador. Publication of the Generalidad de Cataluña and the Colegio de Arquitectos de Cataluña.



# ACTIVITIES

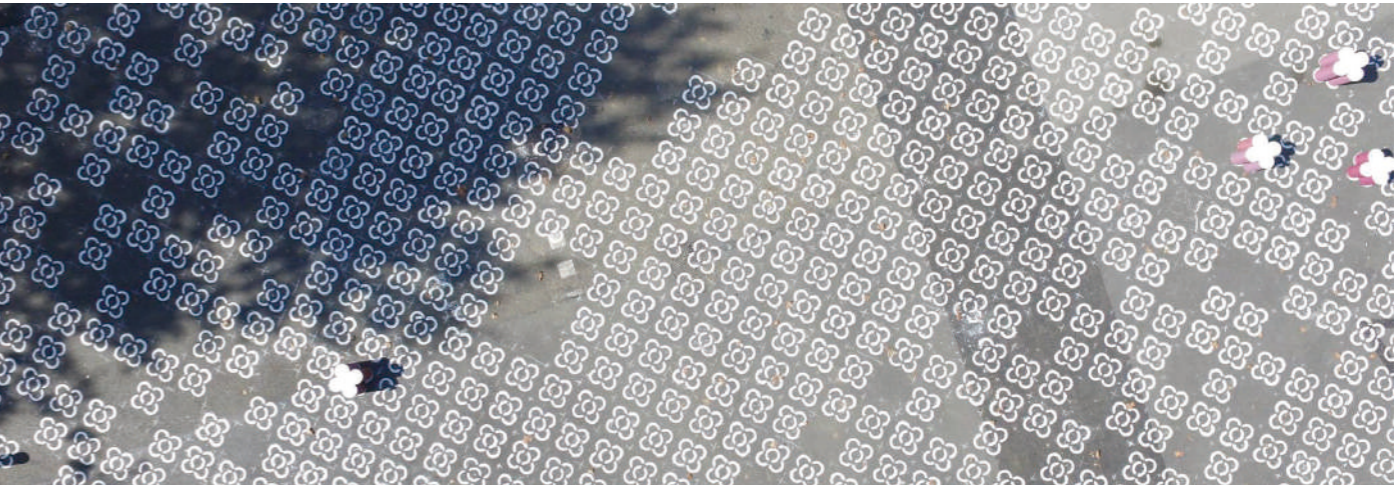


## MAIN ACTIVITIES

**One of the defining characteristics of the firm is its commitment to sustainable architecture and respect for the environment, as well as a search for new construction systems based on the industrialization of processes. In this sense, the firm has participated in numerous courses and masters and has organized debates, round tables and activities.**

Activities of interest include the following:

- Participation in the Circular Economy work team, led by GBCe.
- Founders and members of the Green Building Council Spain Association ([www.gbce.es](http://www.gbce.es)). Presidency from 2009-2017).
- Chair of the scientific committee of the Spanish Association of Sustainability and Architecture (ASA [www.sostenibilidad-arquitectura.com](http://www.sostenibilidad-arquitectura.com)).
- Members of the working commissions of the 22@Network Association. Chair of the Business and Environment Commission. Active participants in the Urban Planning Commission and the Innovation Commission.
- Members of the Board of Directors of the “Plataforma para la Industrialización de las Viviendas. P.I.V.” and participant of the Commission of the Collaborative Work Team.
- Presidency of the Chamber of Professional Societies.
- Advisors in Environment and Sustainability of the Strategic Metropolitan Plan of Barcelona (PEMB).
- Participation in the working groups of the Catalan Institute of Energy around Netzero Buildings.
- Participation in the working groups of the “Subdirección General de Arquitectura, vivienda y suelo” of the “Ministerio de Fomento” in its law of “Rehabilitación, Regeneración y renovación urbanas” and in the Basic Documents of the Código Técnico de la Edificación.
- Participation in the working groups of the Strategic Plan of the Education Consortium of the Barcelona City Council (2017 to 2021). Speakers and responsible for the elaboration of the final document of the Group “The educational equipment plan, towards a versatile and multipurpose architecture”.
- Advisory member of the Environmental Commission of the company CEMEX.
- Follow-up of doctoral and postgraduate work in architecture and engineering.
- Participation in the Scientific Committee of the Architecture Congress organized by the Association of Architects of Catalonia.
- Participation in the Architecture and Sustainability Group of the Association of Architects of Catalonia ([www.coac.net/aus](http://www.coac.net/aus)).
- “Ciutat Verda” (2007-2006-2005). Participation in the Organizing Committee of the Congresses.
- Annual participation in the Awards organized by NanArquitectura. Jury of energy efficiency and sustainability in architecture.
- Participation in the 3R City Observatory (Rehabilitation, Regeneration and Urban Renewal).
- Participation in the activities of Architecture generated by the Interuniversity Group CTPA (Confederation of Architecture Project Workshops) in the municipal activities “Piso Piloto”, “Torre Baró-Prototipos”, “Super Islas” Pueblo Nuevo “. Participation in the annual activities “Open House”.
- Action proposal in the prototype project “Super Illes en Poble Nou” with the CTPA (Confederation of Architecture Project Workshops), the Urban Ecology Agency and the Barcelona City Council. Activity developed with ESARQ-UIC, ETSAB-UPC, ETSAB-UPC, IAAC, Arquitectura La Salle.



## MAIN INTERNATIONAL ACTIVITIES

- 2022  
Conference “News forms of nature. Green roof for regenerating cities. Polytechnic School. Genoa, Italy.
- 2019  
Participation in the NZEB Consortium Working Groups. Monterey. Monterey.  
  
Conference “With reality” at the Professional Council of Architects and Urban Planners, CPAU. Buenos Aires.  
  
Participation in construction innovation programs with the Consulate of Belgium.
- 2018  
Jury members in national and international competitions and awards, as representatives of the Colegio de Arquitectos de Catalunya, the Consejo Superior de los Colegios de Arquitectos, the associations GBCe and ASA, the NZEB-Mexican Building Consortium.  
  
Conference of our work at the International Congress on Architecture and Urbanism, coordinated by the Catholic University of Pereira. Colombia.
- 2017  
Participation and presentation at the International Congress “Designing Material Innovation” organized by “California College of the Arts”. San Francisco. SAN FRANCISCO.  
  
Lecture and “TopsSpeaker” at the Congress organized by the real estate association of the city of Monterrey, Mexico. Lecture “Towards O-consumption buildings”.  
  
Speakers of the “Educational facilities plan. Towards a versatile and multipurpose architecture”, Paper 3 of the Strategic Plan of the Consortium of Education of Barcelona, Consortium participated by the Generalitat de Catalunya and the Barcelona City Council. December 2017.  
  
Participation in the “Circular Economy” Working Committee, coordinated by GBCe-Catalonia.  
  
Participation in the organized activities and exhibition of the MIPIM Fair. Cannes. PPP collaboration with Generalitat de Catalunya and Barcelona City Council.  
  
Participation and presentation at the Industrialization Conference of the FECEA Institute. Asturias.
- 2016  
Participation in the European Congress “Urban development for healthier cities. A cross-cutting approach for innovative local governance”.  
  
Participation in the International Congress “II International Conference on Concrete Sustainability - ICCS16”.
- 2015  
Commissioners of the Sustainability Axis of the Beyond Building Barcelona by Construmat 2015 Fair in Barcelona.

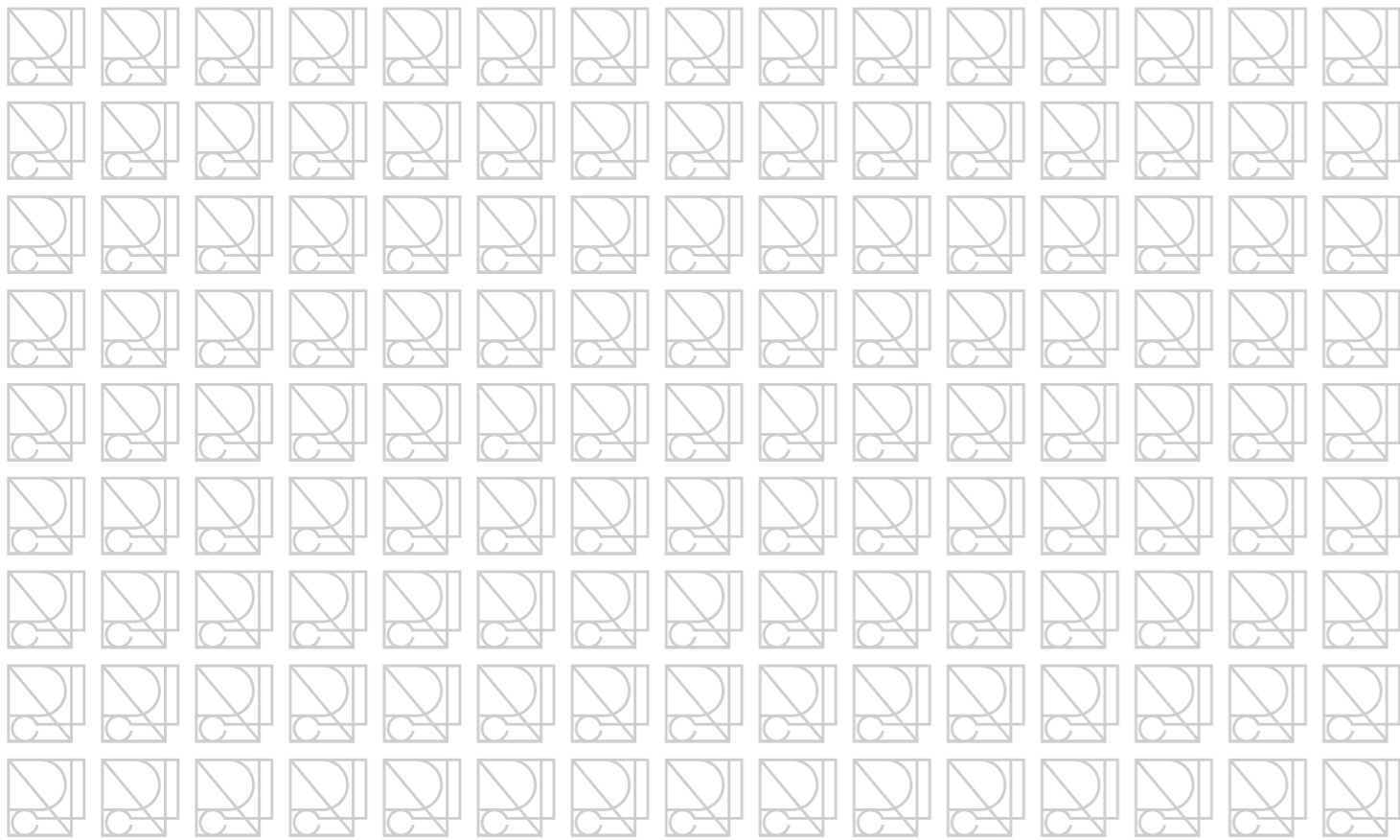
- 2014  
Organization and Presidency of the Organizing Committee led by GBCe of the triennial International Congress on Sustainable Building (WSB14 Barcelona).  
  
Direction and Coordination, together with the Association for Sustainability and Architecture (ASA) of the international competition “Powering Transformation”.  
  
Shanghai and Qingdao conferences on “Urbanism and Sustainability”.  
  
Conferencia en “Ecole nationale supérieure d’architecture de Grenoble” “Sustainable development. Architecture as a response”.
- 2013  
Participation in the Congress on “Energy Efficiency. Smart Cities and Communities with a conference of our professional career, organized by the European Commission in Brussels.  
  
Presentation of the research project “Beca” - Monitoring the environmental performance of social housing in Barcelona, Germany and Brussels.  
  
Career Lecture at the School of Architecture, University of Hong Kong.
- 2012  
Participation in the debate and reflection tables of the College of Architects of Catalonia “impulsa” project on the present and future of the architectural profession.  
  
Advisors of the Polytechnic University of Catalonia project “Eco” of the international competition SOLAR DECATHLON-EUROPE.  
  
Conference on the firm’s work organized by the Bio-construction Chair of the TEC de Monterrey, Mexico.  
  
Conference of the firm’s work at the Sustainable Building Congress organized by “Turkey Green Building” and the “Sustainable Academy”.
- 2011  
Conference on the “dell’Energia Settimana” of the city of Bergamo, with the presentation of the works developed in this direction by the office.  
  
Architecture and Sustainability” Conference (Entrepreneurs Network. Qingdao City Council) in Qindao City, China.  
  
Lectures at the Istanbul Architects’ Association and the YEM Building Association. “Efficiency and sustainability in building”.
- 2010  
Participation as advisors to the company on sustainability and the environment at the Cancun International Climate Change Summit.  
  
Workshop and inaugural conference of the Master’s program “Architecture and Sustainability”. Universidad Motolinia, El Pedregal, Mexico City.

## MAIN INTERNATIONAL ACTIVITIES

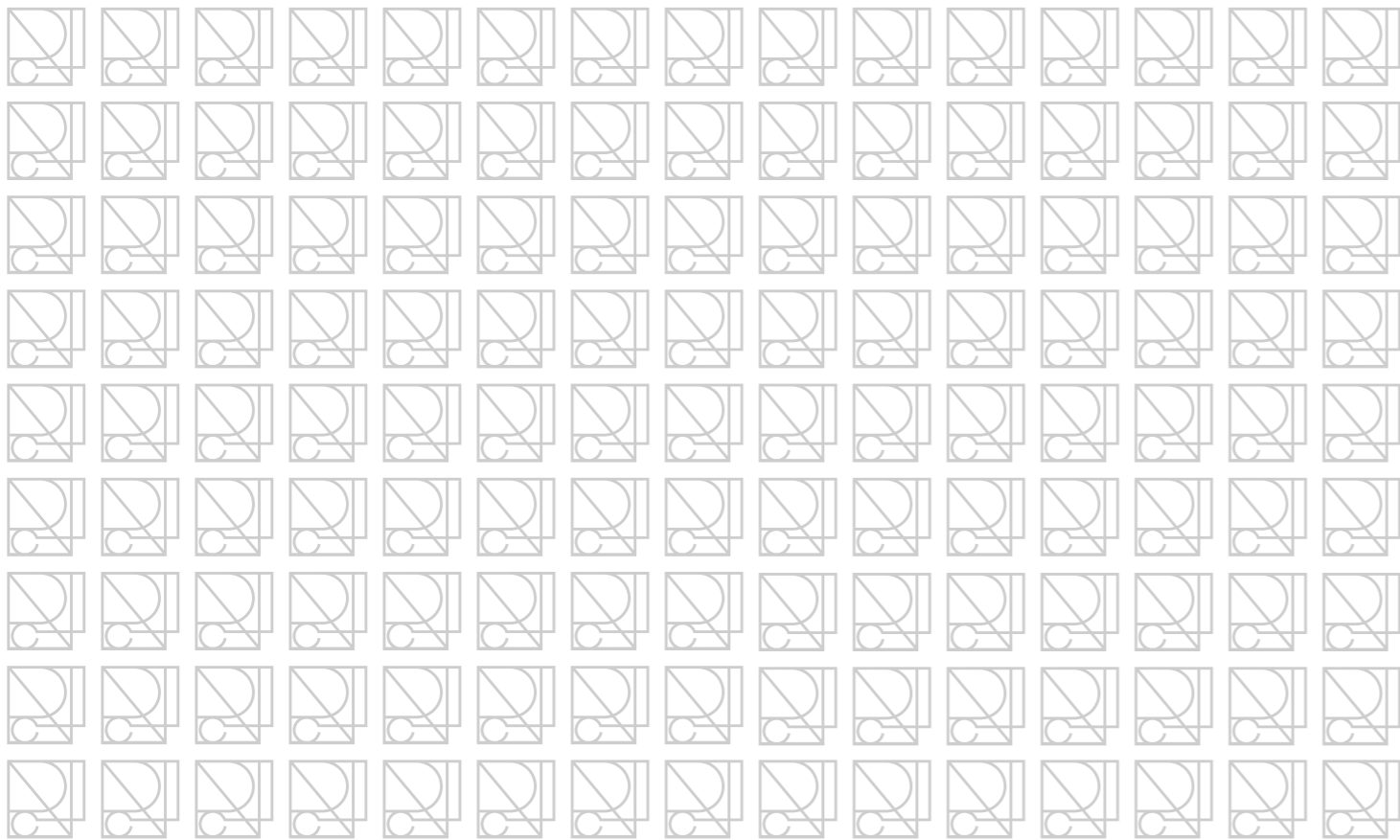
- 2008  
Conference “Technologies for a sustainable, artificially natural architecture” organized by SENAMI-Colegio de arquitectos de Santa Cruz. Bolivia.  
  
Conference of the recent work at the 3rd International Congress with High Bioclimatic Technology and Sustainable Design. Architecture: sustainable science? Organized by the National Autonomous University of Mexico (UNAM). Mexico City.
- 2007  
Participation as representatives of Spain in the World Congress on Sustainable Building in the city of Melbourne.
- 2004  
Participation as representatives of Spain in the World Congress on Sustainable Building in the city of Tokyo. Award for the “Pau Claris” residential building.  
  
Invitation to participate and participation in the Workshop of proposals for the city of Riga, Latvia. Riga City Council.

- Participation in a Master on architecture and its professional future. University of Santo Tomas. Bucaramanga. Colombia.
- 2003-2002-2001  
Participation with the “Freu Akademie der Künste”. Germany.
- 2003  
Exhibition “BIOFOLIS, BUILDING NATURE” at the AEDES Gallery of the firm’s work.
- 2001  
International workshops for the development of the Plan “presentation of proposals by the Municipality of Orlú. Paria. France.
- 2000  
Strategic Plan for the Metropolitan Area “MISSION SEINE up”.
- 1996  
Mention and invitation to the EUROPAN IV Awards. Helsinki. Finland.
- 1990  
First prize EUROPAN II. Project in Alguazas, Murcia.





# TEACHING, MASTERS AND POSTGRADUATE PROGRAMS

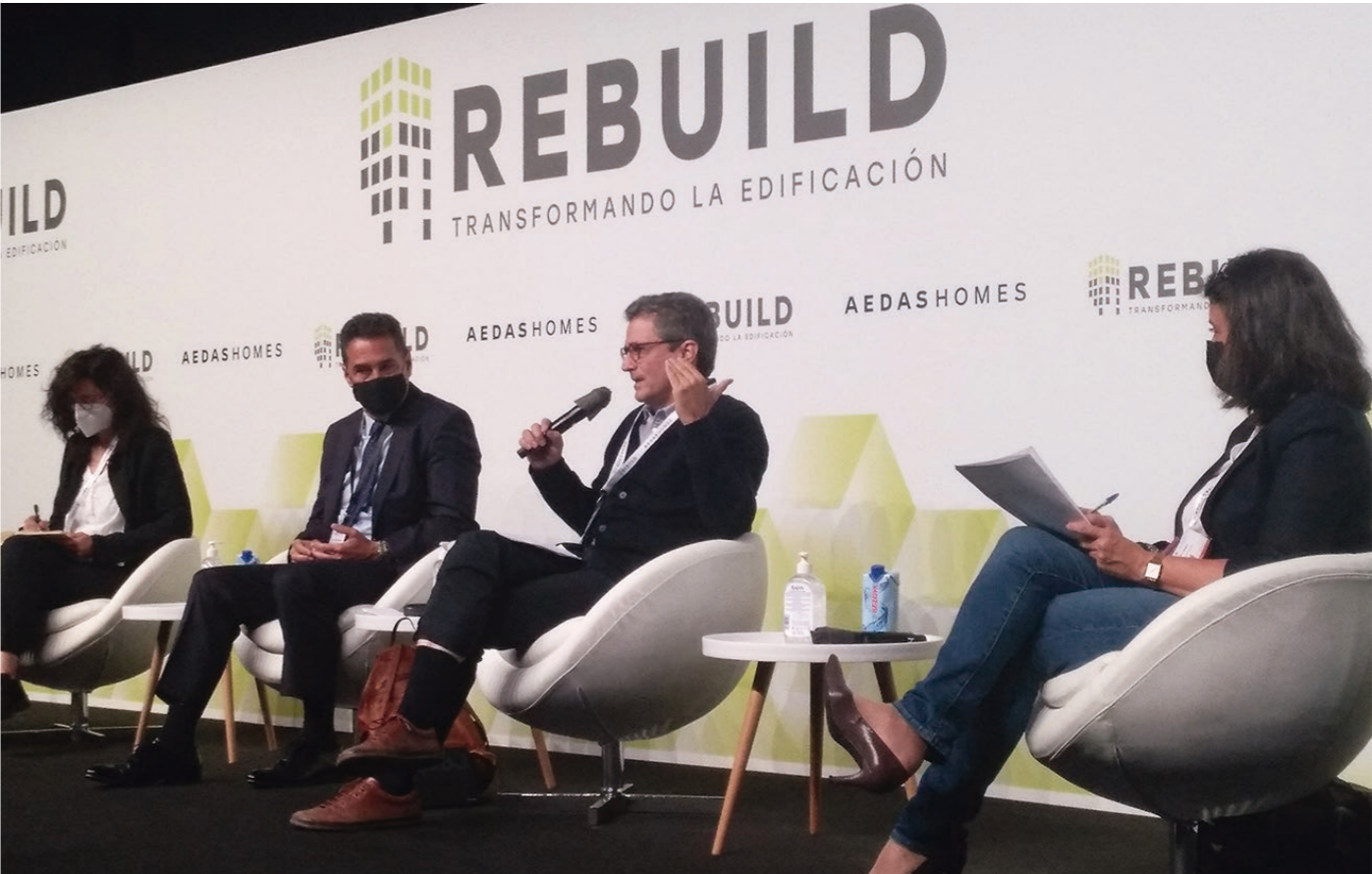


## OUTSTANDING TEACHING

Currently, the different members of the firm collaborate in Masters and Postgraduate programs.

Activities of interest include the following:

- Since 2010 the firm directs and sponsors the Chair of Environment and Industrialization of the International University of Catalonia (CEIM-ESARQ-UIC).
- Since 2010 the firm has been responsible for the ESARQ-UIC's Sustainability Core Course.



## TEACHING ACTIVITIES, MASTERS AND POSTGRADUATE PROGRAMS

- 2022-2018  
Collaboration in the training programs of the Ceramic Chair of the School of Architecture of the Polytechnic University of Valencia.
- 2019  
Collaboration with ITEC, RE-BULD and CONSTRUMAT in the Circular Economy work and training teams.
- 2018  
Conferences on innovation in ceramics, organized by the HISPALIT Industrialists Association. Granada. Madrid and Barcelona.
- 2018-2019  
Conferences related to innovation in construction: ET-SAB-UPC "new spaces-new architecture in teaching spaces; CSCAE Materioteca "industry-architecture relationship"; COAAsturias "industrialized concrete architecture"; Architecture Schools of Zaragoza, Madrid and Granada "ceramics of the SXXI, coordinated by conarquitectura, sponsored by Hyspalit. Cabify headquarters in Madrid "the new mobility of cities". REBuild Congress "new ways of living - affordable housing".
- 2020-2018-2017-2016  
Interuniversity workshops organized by the Confederation of Architecture Project Workshops CTPA. "The minimum unit in housing", "the super-illes", "the rounds of Barcelona. Organized by the Schools of Architecture of: the International University of Catalonia, the Polytechnic of Barcelona and Vallés, La Salle, Rovira-Virgili. IAAC.
- Collaboration UIC, CEIM, Picharchitects, Cemex Research. Project investigating the bioclimatic capabilities of concrete. Workshop / Elective "Climate Concrete".
- 2017-2016-2015-2014-2013-2012-2011-2010-2009-2008-2007-2006  
Participation in the Master of "Sustainable Construction, module in ecological industrialized construction techniques" directed by Professor Rufino Hernandez. School of Architecture of the Polytechnic University of San Sebastian.
- 2017-2016-2015-2014-2013-2012-2011-2010-2009-2008-2007-2006-2005-2004  
Teaching participation in the Master "architecture and sustainability: design of tools and techniques for environmental control" directed by J.Luis Fumadó and Ezequiel Usón of the Escuela Técnica Superior de Barcelona of the Universidad Politécnica de Cataluña.
- 2017-2016-2015-2014-2013-2011-2010-2009-208-2007-2006-2005-2004  
Teaching participation in the post-graduate course "New Technologies", directed by José Luis González and organized by the Escuela de Aparejadores de la Universidad Politécnica de Cataluña.
- 2015-2014  
Workshops and seminar on architecture, industrialization and sustainability at TecQuerétaro with the team of professors and students of Solar Decahtlon Iberoamericana.
- Master "Barchín, Architecture, Environment and Technology" with the lecture "Ecology, energy and environment". Master directed by Estalishau Roca.
- TechMonterrey with the Bioconstruction Chair.
- 2014-2012-2011  
Participation in the Master of the European University of Madrid "Advanced project techniques session 1". "How to forge needs ?, what assumptions make energy management is introduced among the demands that architecture must respond?".



## TEACHING ACTIVITIES, MASTERS AND POSTGRADUATE PROGRAMS

- 2014  
Workshops and seminars in Qingdao City, Shandog, China on architecture towards sustainability. Workshops and seminar at the school of architecture of the University of Kazakhstan, introduction and deepening towards sustainability in architecture. Almaty, Kazakhstan.
- 2014-2013-2012-2011  
Participation in the "Encounters" section of the Master of Architecture and Environment of the Universidad Camilo José Cela.
- Participation in the site visit classes of the master "Architecture and Environment" of the School of Architecture of La Salle. Ramon Llull University.
- 2011-2010-2009-2008-2007-2006  
Teaching participation in the specialization course of the Construction Department of the School of Architecture of Barcelona (ETSAB-UPC) in industrialized systems, directed by José Ignacio Llorens and Josep Maria Gonzalez.
- 2011-2010-2009-2008-2007-2006  
Participation in the Master of "Collective Housing, Bioclimatic Module", directed by Professor José María Lapuerta. School of Architecture of the Polytechnic University of Madrid.
- 2009-2008-2007  
Participation with the Polytechnic University of Mexico City and La Salle University of Leon-Mexico in seminars on architecture and sustainability.
- 2008-2007-2006  
Participation with the Department of Architectural Constructions of the School of Architecture of the University of Alicante with the theme "Sustainability, a commitment to reality".
- 2008-2007-2006-2005  
Participation in the Master of Architecture and Sustainability of the School of Architecture of La Salle University. Directed by Josseline Bottom.
- 2007-2006  
Participation in the course "Building and Sustainability", organized by the School of Art and Architecture of the European University of Madrid (ESaYA).
- 2006-2005  
Participation in the course "Architecture and sustainability" organized by the School of Architecture of the University of Valencia with the firm's experiences.



