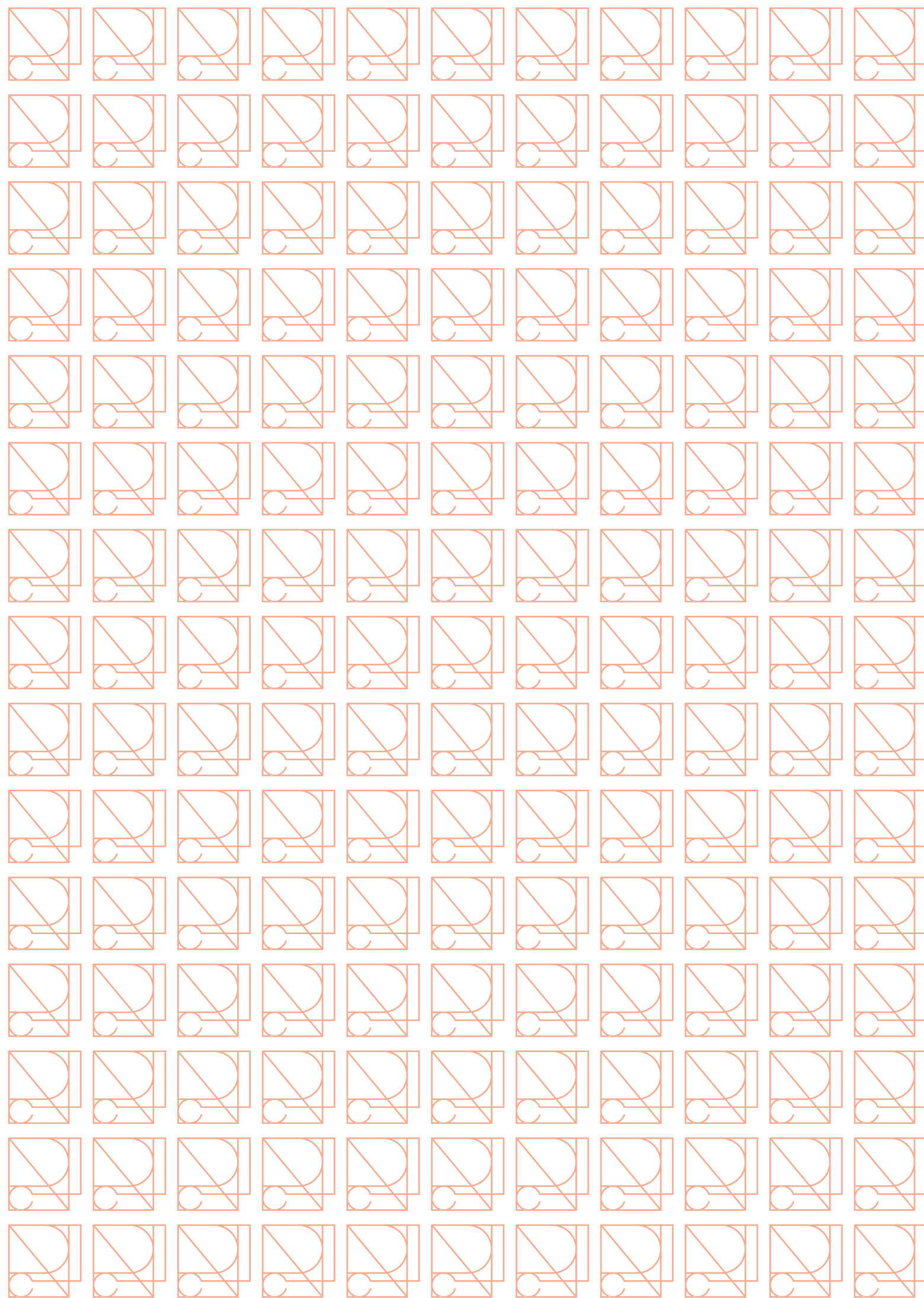
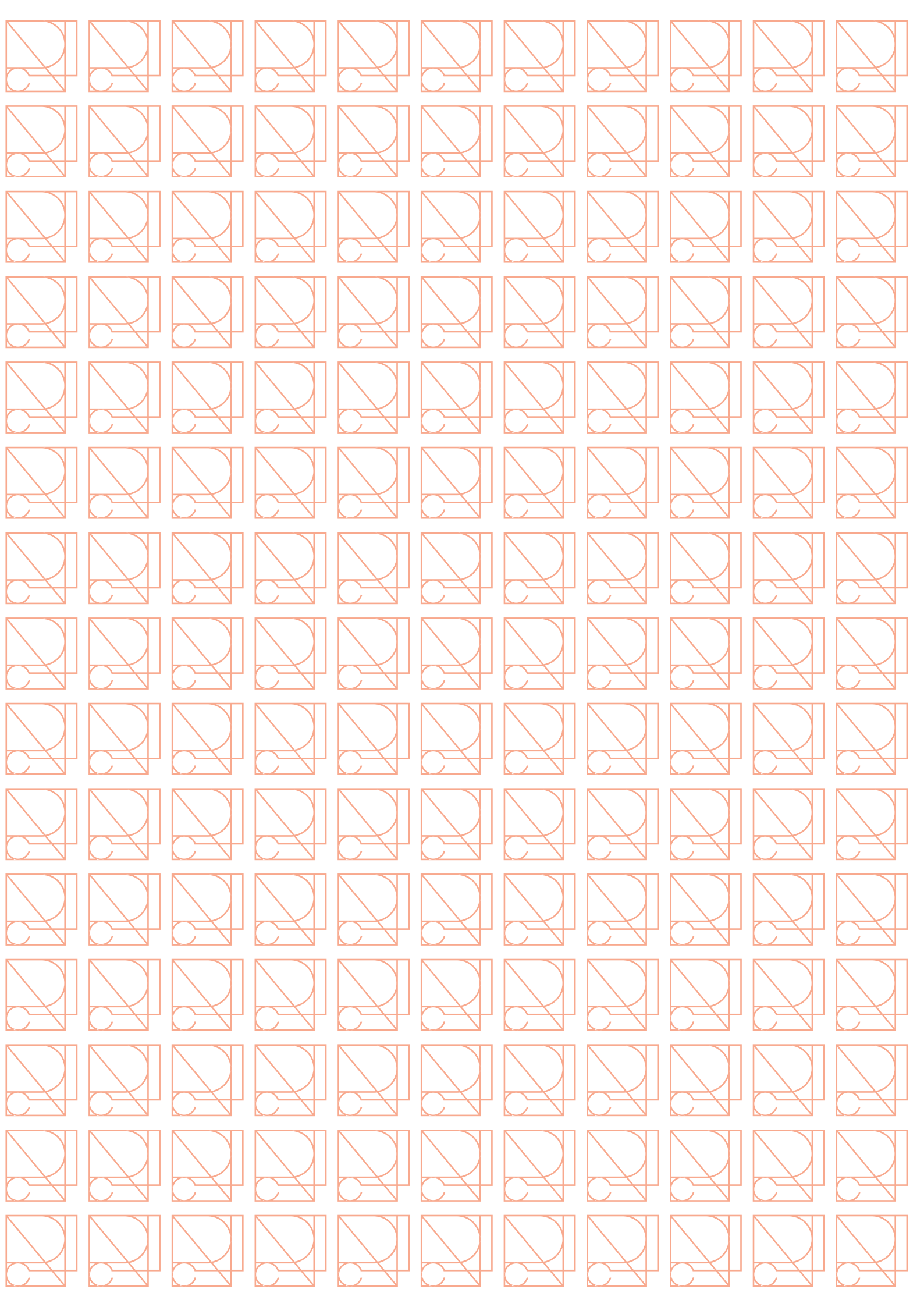


**pich**architects  
PICH-AGUILERA



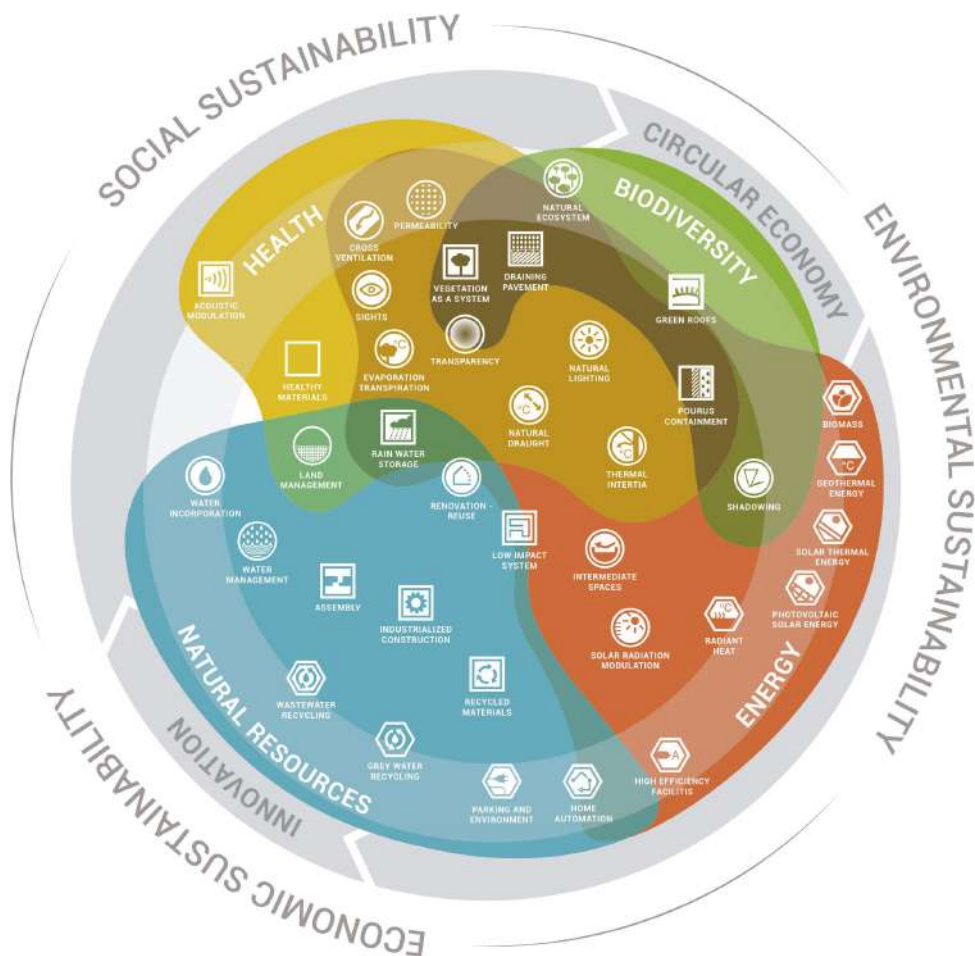


*"To integrate, articulate, catalyze and produce  
through architecture, contemporary responses to  
urban demands for comfort, habitability, integration  
and identity. "*

# WHY?

"The need to respect the environment has become a social consensus. The architecture must seek alternatives that provide a more stimulating relationship with nature, as well as more honest usage of natural resources. This way, it will give us objective guidelines to address construction planning and technology from a current point of view."

*Felipe Pich-Aguilera and Teresa Batlle; architects.*



30 years of architecture in Barcelona with an international focus.

Sustainability as a whole: economic, social and environmental.

Experts in construction technology, quality, innovation and sustainability.

We provide global solutions. From urban planning to construction details.

# HOW DOES IT WORK?

We are an architecture firm with an international focus and head office in Barcelona .

We have developed architecture projects, works and planning in the private and public spheres, with the aim of providing technology and innovation in the field of construction and sustainability.

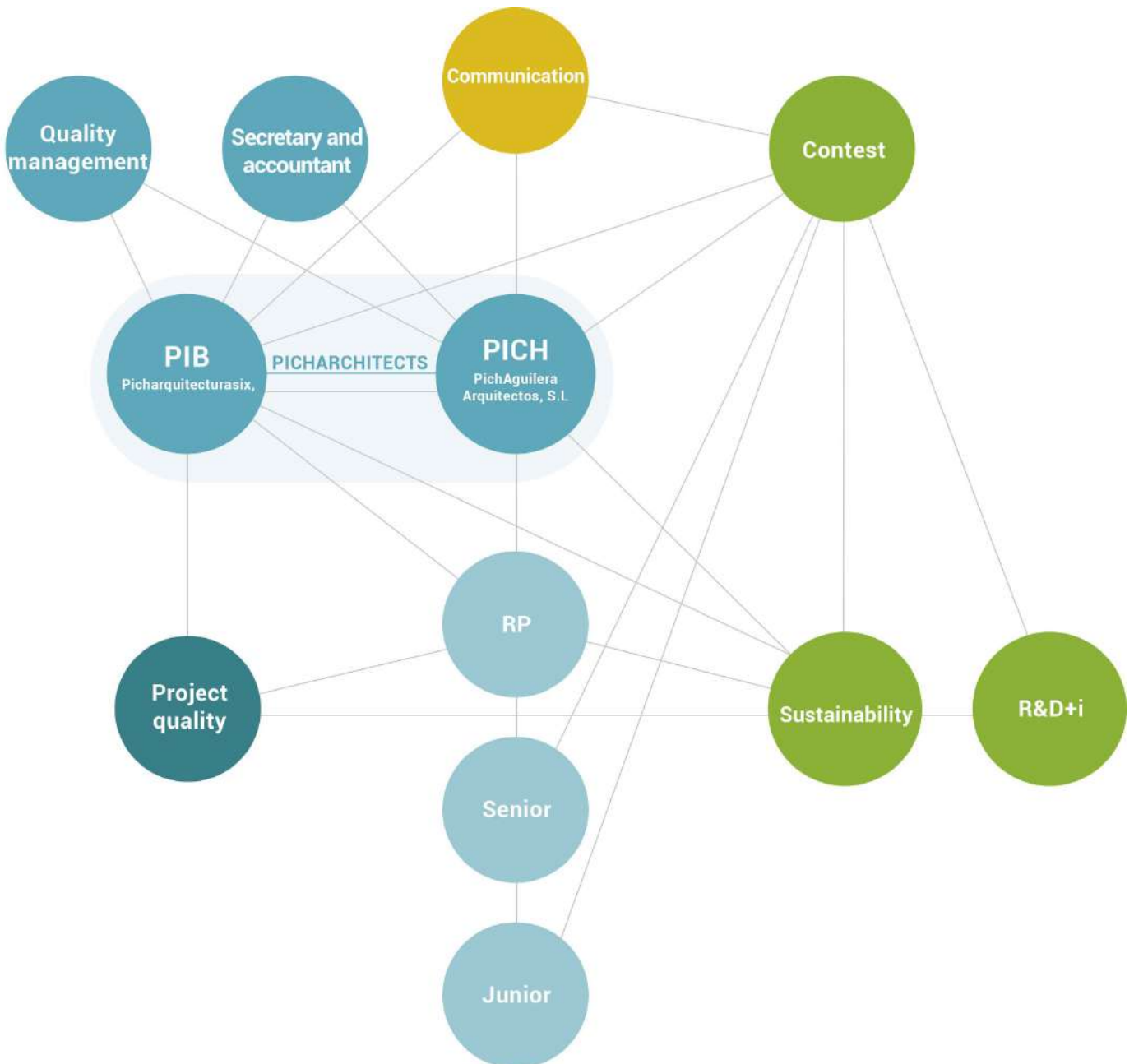
The studio was founded in 1986, with two architects: Felipe Pich-Aguilera Baurier and Teresa Batlle Pagès.

In 2012, a new phase began for the firm, were "new generation" architects joined the firm.

The current team is formed by the founding architects. Teresa Batlle and Felipe Pich-Aguilera and partners: Jordi París and Jordi Camps

Therefore, two related companies constitute the studio: Pich-Aguilera arquitectos, S.L and Pibarquitecturasix, S.L.P. Both together, in order to open up to international market, present themselves as **Picharchitects/Pich-Aguilera**.



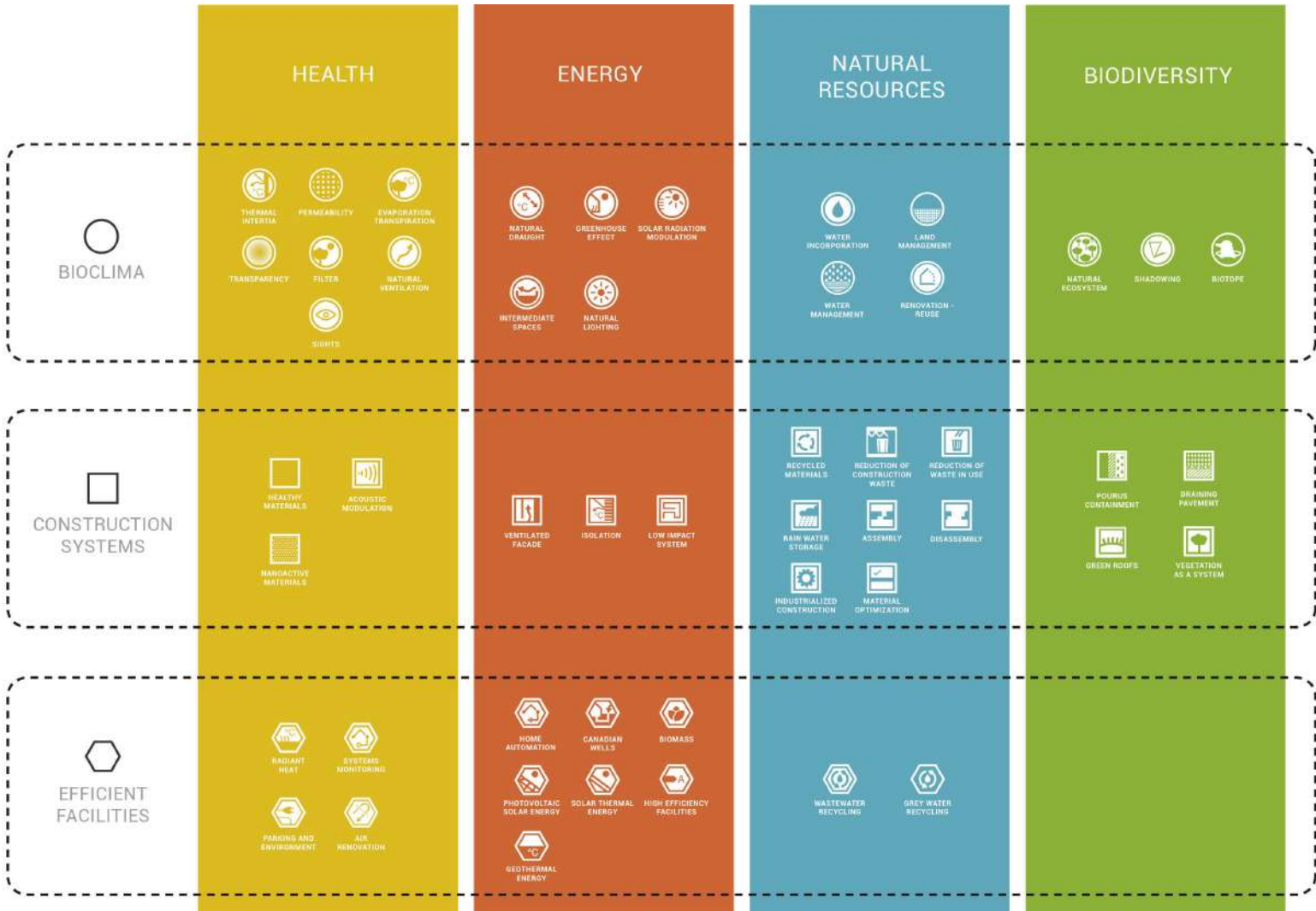


# INSTRUMENTAL MAP

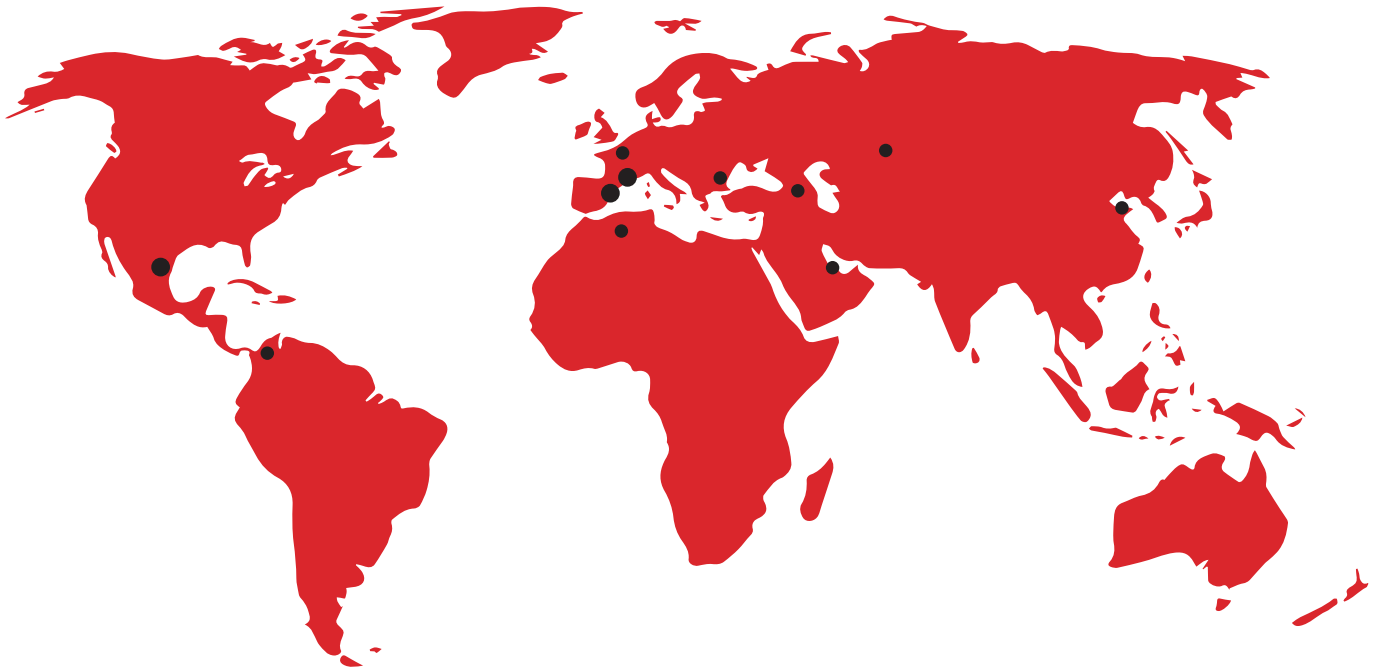
Architecture acquires a new dimension when it has to respect the environment.

The management of our material and energy resources towards a circular economy of planning and building is a transversal work where many disciplines are involved. Architects along with engineers, biologists along with physicists, interact with each other on matters such as climatology, the environment and natural resources—sun, materials, water, vegetation, waste, etc.—in order to shape spaces and define systems—in construction, facilities, production, etc.—from a responsible sustainability.





WHERE ARE  
WE?



#### BARCELONA - SPAIN

(Innovation District @22). Headquarters of the studio and origin of its activity.

#### MONTERREY - MEXICO

Since 2010, through our offices in Monterrey and a resident team, we are working in sustainable building projects throughout the country.

#### QINGDAO I SHANGHAI - CHINA

From OSA - Sustainable Architecture and Engineering. The company led by an engineer has participated in the realization of projects as well as in specialized advice on aspects of industrialization and environment.

#### FRANCE

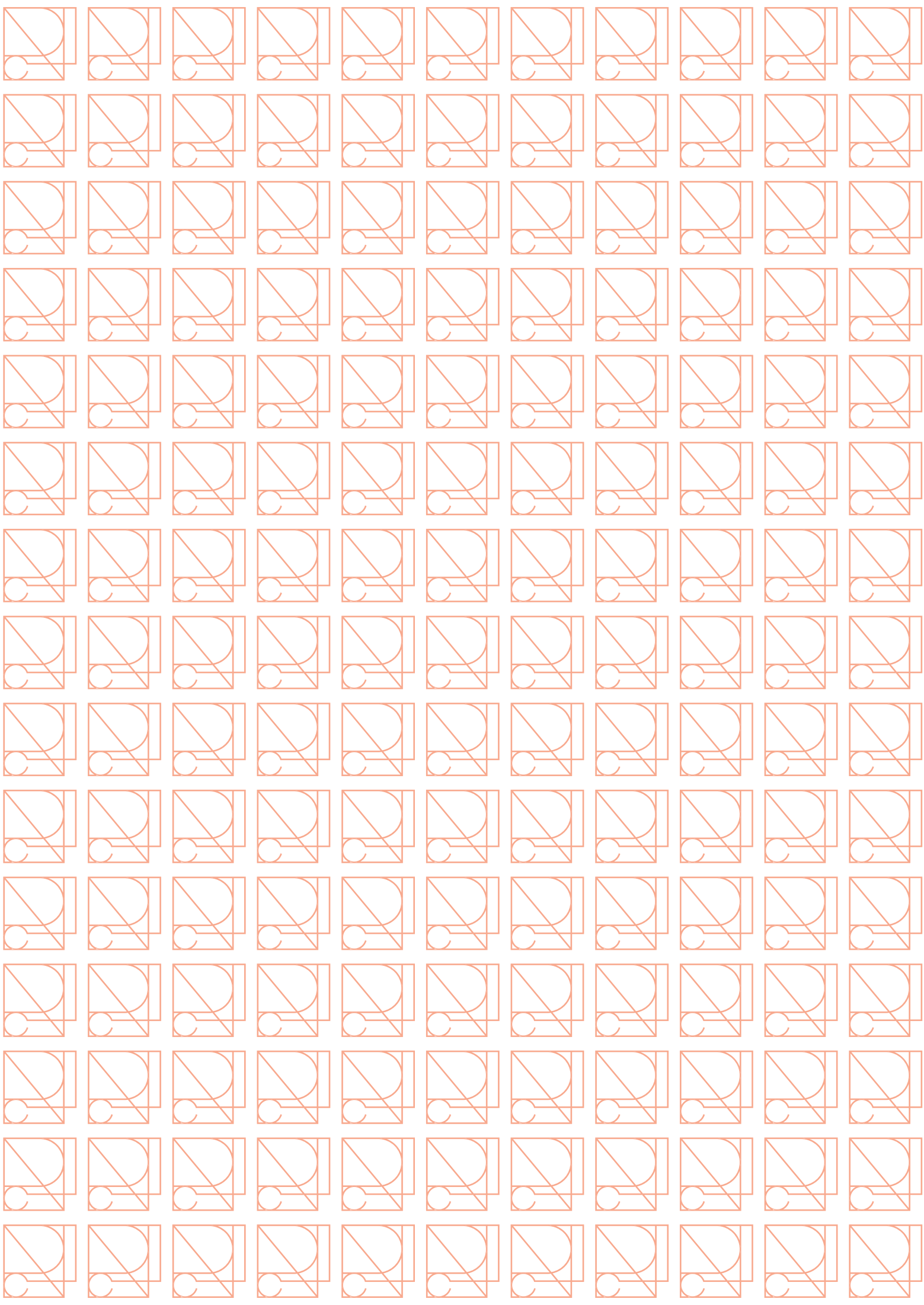
Since 2008, we develop projects and work housing, planning and public facilities and private, in complicity and collaboration with local teams (Bretagne, Lyon and Toulouse).

#### ALMATY - KAZAKHSTAN

In collaboration with the architect Marco Salvatore, we offer services that provide complete processes linked to architecture, industrialization and environment.

#### GERMANY - CHILE - ALGERIA - QATAR - COLOMBIA

We have developed projects and participated in contests in collaboration with local teams.

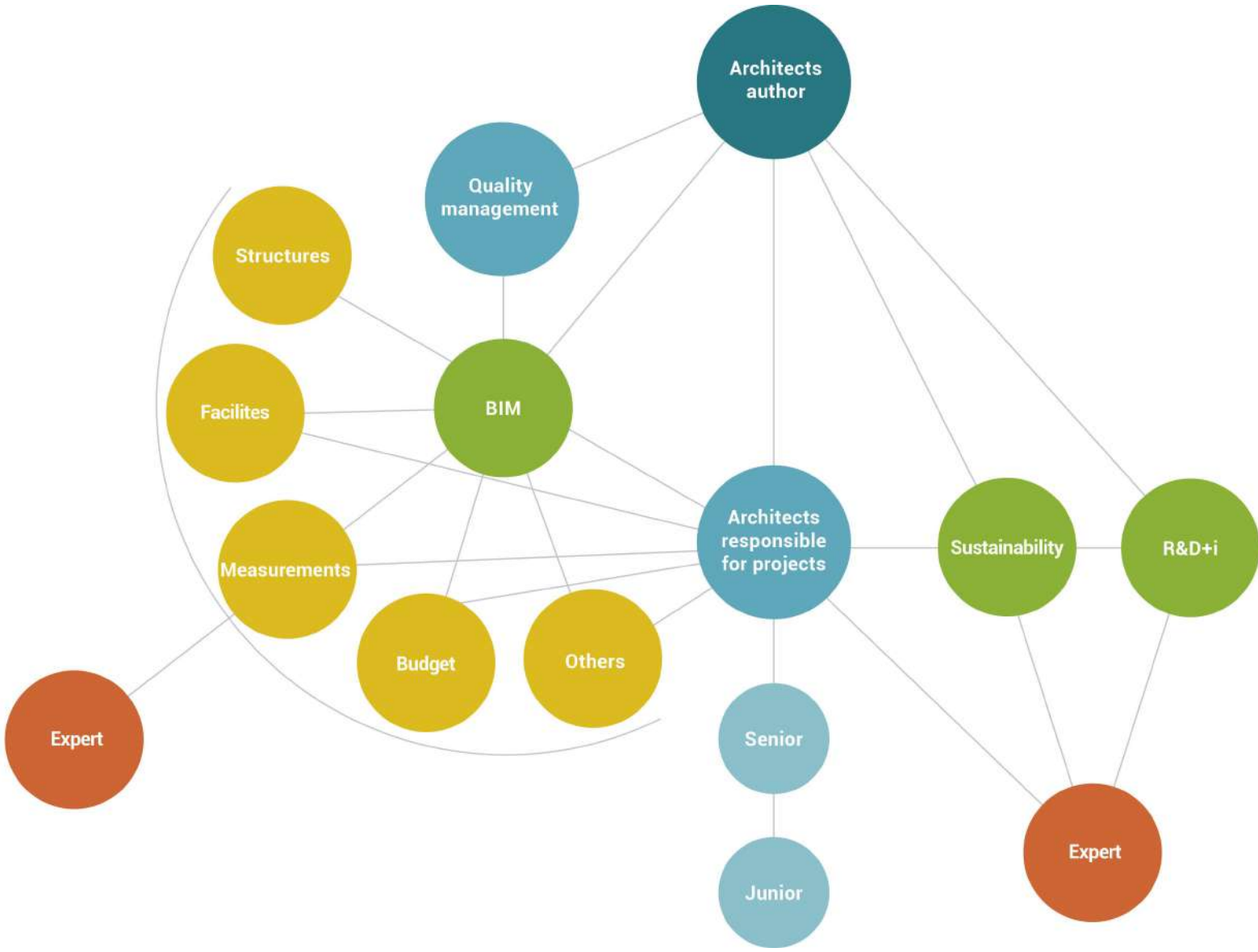


# TEAM, COLLABORATORS

# TEAM PICHARCHITECTS PICH-AGUILERA

The studio is mainly focused on projects of architecture. The effort, in this sense, has led us to develop planning, promote projects of innovation, research and development and deepen aspects related to the sustainability of our buildings, both in its construction and in its use. So the studio not only focuses on project development, it also has cross-sectional areas that they take care of quality, innovation and sustainability.

The current complexity and precision of our work has driven us to introduce the BIM model in our projects.







### FELIPE PICH-AGUILERA, PhD ARCHITECT

Graduated in 1984 from the Superior School of Architecture from the Polytechnic University of Catalonia (ETSAB-UPC) Construction Specialization.

PhD in architecture with the doctoral thesis "Principal socio-economic factors and their influence on architecture. The case of Catalan modernism and its time "

**In 1986 he created his own studio.**

Founding Member of the Higher School of Architecture from the International University of Catalonia, ArchitectureUIC. President of the School Councils (1996-1999). Professor of 4th year projects (since 2008). Director of the 4th year course of Architecture and Sustainability (since 2010). Director of the Chair of Industrialized and Medium Building Environment, CEIM-UIC.

Founding member of the Agrupación Architecture and Sustainability of the College of Architects of Catalonia (AuS-COAC).

Founding member GBCe (Spanish Institution that represents the international institute "International Initiative for a Sustainable Built Environment -IISBEE- and World Green Building Council -WGBC-). " President of 2009-2017.

Evaluator of research articles related to Industrialization and the Environment, in various scientific publishers.

Since 1996 he has been a member in juries of theses, competitions and Projects. He teaches courses, conferences, workshops and master programs in architecture schools and institutions, linked to the sustainability and industrialization, both in Catalonia, in Spain and abroad.



TERESA BATLLE, ARCHITECT.

Graduated in 1989 from the Higher School of Architecture from the Polytechnic University of Catalonia (ETSAB-UPC) Specialization in Conditioning and Services.

In 1989 she joined forces with Felipe Pich-Aguilera, constituting Pich-Aguilera, arquitectos, S.L.

Founding member of the Higher School of Architecture from the International University of Catalonia ArchitectureUIC. Coordinator of the 2nd Cycle Teaching Plan (1997-1999). Coordinator of the Professional Council (1996-1999). Member of the Board of Trustees of the Department of Building Industrialization and Environment, CEIM-UIC, since 2012.

Founding member of the Architecture and Sustainability Agrupacion of the College of Architects of Catalonia, AuS-COAC and Vice President between 2005 and 2012.

Founding member of the Architecture and Sustainability Association (ASA), promoted by the Superior Council of the Associations of Architects of Spain (CSCAE). Secretary General (2007-2011) Vice President (2012-2016) President of the Scientific Committee (2017-2021).

Member of the Board of Directors of the 22@network Association (association of innovative companies with headquarters in the 22 @ district of Barcelona). President since 2004 of the Business and Environment Commission.

Since 1997, coordinator of round tables and debates about the role of the architect in innovation constructive process, as well as systems more in line with a new balance between architecture and environment.



### JORDI CAMPS, ARCHITECT

Graduated in 2006 from the "Escuela Técnica Superior de Arquitectura" of the Polytechnic University of Catalonia, ETSAB-UPC.

Summer of 2002-2003-2005: Collaboration in offices of architecture Reinas & Partners, Arquitectos, Od'A, respectively Palma de Mallorca.

2005: Erasmus scholarship at Technische Universiteit Delft, Holland.

In 2005 he joined the Pich-Aguilera, architecture studio.

2005-2009: Worked as a collaborator.

In 2014 he became a "new generation" partner of Picharchitects-Pich-Aguilera.

He is currently coordinating the contests as well as he is the coordinator of the studio project teams.



### JORDI PARÍS, ARCHITECT

Graduated in 2002 from the "Escuela Técnica Superior de Arquitectura" of the Polytechnic University of Catalonia, ETSAB-UPC.

1996-1997. Berlin Erasmus scholarship at the Hochschule del Künste

In 2002 he joined the firm Pich-Aguilera, architects.

2002-2004. Worked as a collaborator.

Since 2005 he is the Head of Projects.

2010-2012. He combines his project responsibility with Management of the ISO9001 Quality system.

Since 2005 he has been holding conferences on industrialization and eco-efficiency.

In 2012 he became a "new generation" partner of Picharchitects-Pich-Aguilera.

He currently promotes the business development area in the studio, in conjunction with project responsibilities.

Since 2015 president of the Chamber of Companies of construction services "Cambra Professional" and is the voice of the Board of the Federation of Industry, Commerce and Construction services "FECOCAT".



**JOAN MARIA FREIXES, ARCHITECT**

Graduated in 2012 from the "Escuela Técnica Superior de Arquitectura" of the Polytechnic University of Catalonia, ETSAB-UPC.

*In 2010 he joined the studio Pich-Aguilera, architects.*

2013. Head of the Mexico office.

2017. Partner of Pich-Aguilera Arquitectos México. He has participated as a lecturer and visiting professor in institutions and universities, among which it is worth highlighting the Tecnológico de Monterrey, the XII International Congress of Cities and Transportation, Ecobuild London, Ecobuild México, Construmat Barcelona, among others.

He is currently responsible for the Technical Committee of the Consortium Zero Energy Buildings, in Latin America.



### ANGEL SENDARRUBIAS, ARCHITECT

Formed by the Higher Technical School of Architecture, University Polytechnic of Catalonia, Barcelona, ETSAB-UPC, 1979-1990. Formed by the School of Technical Architecture, University Polytechnic of Catalonia, Barcelona, EUATB-UPC, 1990-1993.

Master of Structures from the Polytechnic Foundation of Catalonia (UPC) 1996-1998.

In 1989 he joined the studio Pich-Aguilera, arquitectos.

1989-1992 works as a collaborator.

1992-2002 works as technical supervisor of all studio projects.

2011-2018 Responsible for the financial management of the studio.

2012-2018 Responsible for the ISO 9001 quality system of the studio.

Since 2002 he is responsible for supervision and quality of the executive projects of the studio



### ZUZANA PROCHAZKOVA, ARCHITECT

Graduated in 2007 from the Technical University of Bratislava, Slovakia, Faculty of Architecture.

2007-2009. Master's degree "Architecture, constructions in architecture ", Technical University of Bratislava, Slovakia, Architecture faculty.

2009-2010. Master's degree "Architecture, energy and environment ", Polytechnic University of Catalonia.

From 2016 to the present Co-founder of ONA Studio, Design and consulting in architecture, energy and the environment. 2016-2017. Start your collaboration with Picharchitects through the European Commission - Erasmus for Youth program Entrepreneurs, as support in the development of projects.

In 2017 she joined the Picharchitects / Pich-Aguilera studio.

She is currently Head of the R + D + i department of the studio.

Combines the department with the coordination of the chair of Industrialization and Environment of the University Catalonia International, CEIM-UIC.





### MAURO MANCA, ARCHITECT

Graduated in 2010 from the Università degli Studi di Cagliari in Ingegneria Edile y Architettura.

2011. Master II Level - Sustainable Architecture IED / Politecnico Torino / Mario Cucinella Architects.

2011. Title of Engineer Civile / Ambientale.

2012-2014 - Architect at B01 arquitectos / Amadó-Domenech. Architect Partner from 2015 to 2017.

2014. Founder of Energreen Design.

Since 2016 he is Scientific Collaborator at Ryerson University (Toronto Canada).

Since 2016 GREEN Accredited Evaluator, Green Building Council, Spain.

In 2016 he joined the Picharchitects / Pich-Aguilera studio.

Since 2017 he is Head of the Department of Energy and Sustainability - PichEnergy.

Since 2017 Professor of Sustainability at the UIC TFG -International University of Catalonia.



### ANTONIO BATLLE, ARCHITECT

Graduated in 2009 from the Escuela Técnica Superior de Arquitectura of the Polytechnic University of Catalonia, ETSAB-UPC. Line "The Great Scale"

2006. UPC - ETS Architecture Barcelona. Department of Urbanism. Coordination of works of Urban Planning VI and exhibition "Renovarse o morir" in COATarragona.

In 2006-2007 Student internships at the Architects studio David Chipperfield. Concept design team.

2007 ASES. Academy of studies. Professor of Structures II.

2007-2009 Architect at ACXT IDOM, an engineering and architecture.

2010-2014. Coordinate your own architecture studio.

2015-2016. Master BIM Manager Zigurat / BIM Freelance.

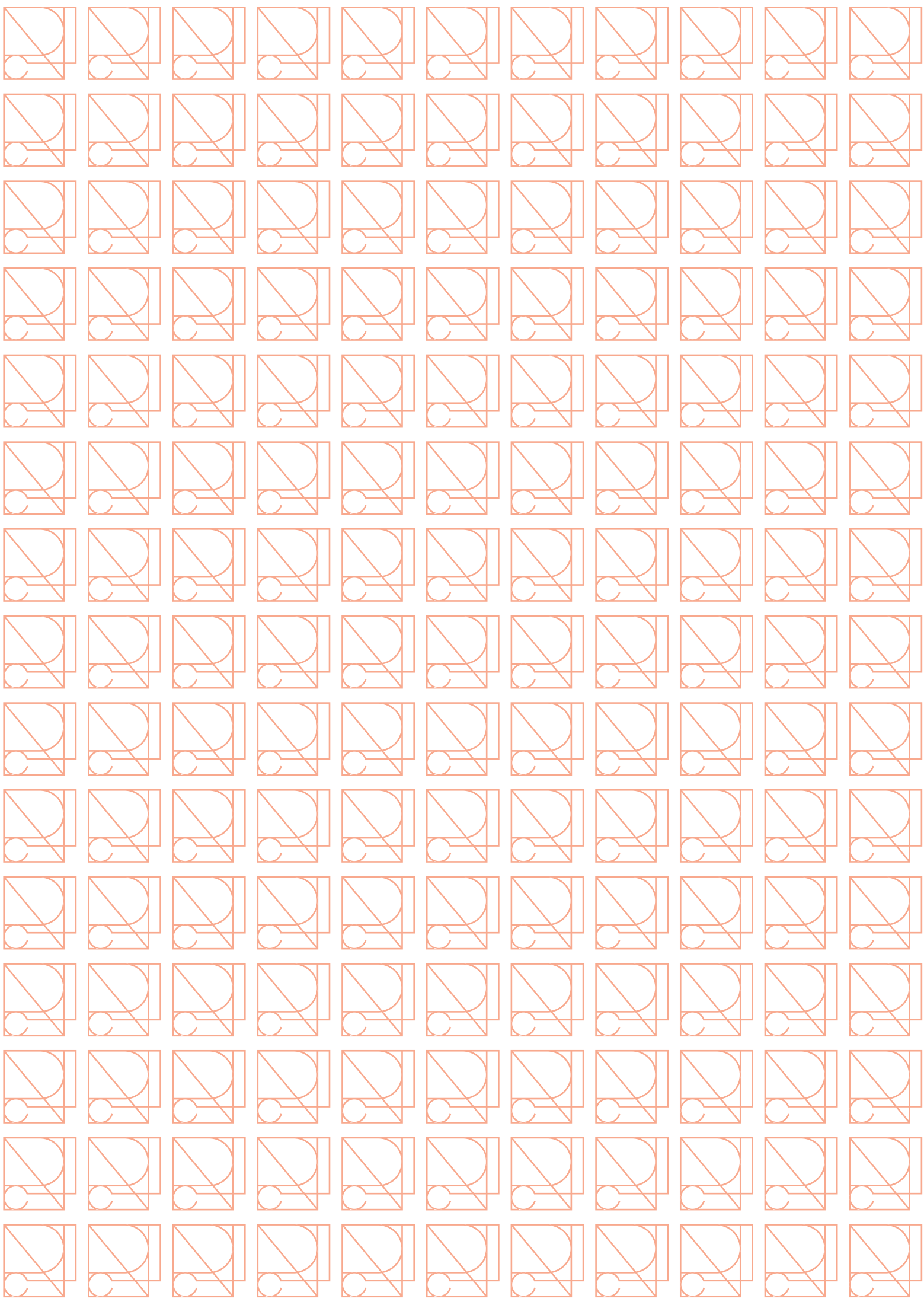
2014. Starts its collaboration with the firm as support in the project development.

In 2017 he joined the Picharchitects / Pich-Aguilera studio.

Since 2017 Project Manager of the studio.

Since 2017 BIM studio manager





# COLLABORATORS

# REGULAR COLLABORATORS

## STRUCTURES AREA:

BBG Structures, research and rehabilitation, SLP  
Structures and rehabilitation consulting architectural and heritage.  
Stable collaboration since 1989.  
Responsible Technician: Mr. Robert Brufau, Architect.

MASALA Consultants  
Calculation of structures, construction management and advice.  
Stable collaboration since 2001.  
Responsible Technician: Mr. Miquel Angel Sala, Architect.

BIS architects  
Calculation of work management structures.  
Stable collaboration since 1999.  
Responsible Technician: Mr. David García, Architect.

BAC Engineering Consultancy Group  
Calculation of structures, work directions and advice.  
Stable collaboration since 2004.  
Responsible Technician: Mr. Agustín Obiol, Architect.  
Responsible Technician: Mr. Luis Moya, Architect

## GEOTECHNICAL AREA:

Bosch & Ventayol  
Conducting geotechnical studies.  
Stable collaboration since 2010.  
Responsible Technician: Mr. Albert Ventayol, Geologist.

Centre Català de Geotècnia  
Conducting geotechnical studies.  
Stable collaboration since 1997.  
Responsible Technician: Mr. Teodoro Gonzalez, Geologist

## FACILITIES AREA:

PGI Projects and Industrial Management  
Facilities project. Consumption advice, energy saving and negotiation with companies.  
Stable collaboration since 1995.  
Responsible Technician: Mr. José Julio. Engineer industrial.

JG GROUP, engineering  
Projects and calculations of facilities. Legalizations. Solar energy projects.  
Stable collaboration since 2003.  
Responsible Technician: Mr. Juan Gallostra. Engineer industrial.

RP GROUP, engineering  
Projects and calculations of facilities. Legalizations. Solar energy projects.  
Stable collaboration since 1999.  
Responsible Technician: Mr. Eduardo Romero. Engineer industrial.

MAFO IMOGE  
Projects and calculations of facilities. Projects of activities. Legalizations of energy solar projects. Building installation projects with energy self-sufficiency and energy production photovoltaic for self-consumption.  
Stable collaboration since 2017.  
Responsible Technician: Mr. Ramon Navés. Engineer industrial.

TDI Engineers  
Projects and calculations of facilities. Projects of activities. Legalizations. Solar energy projects.  
Stable collaboration since 2015.  
Responsible Technician: Mr. Juan Seguí. Engineer industrial technician.

Oriol Ruiz  
Projects and calculations of facilities. Legalizations. Solar energy projects.  
Stable collaboration since 2016.  
Responsible Technician: Mr. Oriol Ruiz. Engineer industrial

# REGULAR COLLABORATORS

## BIOCLIMATIC ARCHITECTURE AREA:

### CONSULTANTS IN CIRCULAR ECONOMY

Eco Intelligent Growth (EIG)

Cradle to Cradle tracking onbuilding.

Collaboration since 2018

Responsible technician: Cristina Sendra, chemist.

The Vola

Energy advice in projects installations.

Stable collaboration since 2007. Responsible Technician: Mr.

Esteve Maneja, EngineerAgricultural Technician.

### ETAMINE

Specialists in environmental and energy consulting.

Stable collaboration since 2014.

Responsible Technician: Mr. Nicolas Molle, Doctor of Engineering. Engineering

## BUDGETS-MEASUREMENTS-MANAGEMENT AREA OF THE CONSTRUCTION:

Technicians G3, SLP

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

GPCAT Management and direction of works

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

Stable collaboration since 2001.

Responsible Technician: Mr. Antoni Floriach, ArchitectTechnical.

AT3 SCP

Measurements, budgets, coordination of health and safety and quality control.

Stable collaboration since 2007.

Responsible Technician: Mr. Josep M<sup>a</sup> Oller, ArchitectTechnical.

### MANAGEMENT & SITE DIRECTIONS SLP

Measurements, budgets, coordination of health and safety and quality control.

Stable collaboration since 2010.

Responsible Technician: Mr. Pere Pescado, Architect Technica

## URBAN PLANNING AND MANAGEMENT AREA:

ARQTIS group S.L.

ARQTIS group S.L.

Urban management and direction specialist real estate, relationship with Administration and Management Delegate of Property.

Stable collaboration since 2008. Responsible Technician: Mr. Carlos Teixidó Meca, Architect.

## RESEARCH AND DEVELOPMENT AREA:

IREC

Specialized in European innovation projects and investigation.

Stable collaboration since 2019.

Responsible Technician: Jordi Pascual

IREC

Specialized in European projects of innovation and investigation.

Collaboration since 2019.

Responsible Technician: Dr. Jordi Pascual, physicist.

CIMNE-UPC

Specialized in European innovation projects and investigation.

Stable collaboration since 2005.

Responsible technician: Mr. Jordi Cipriano, engineer.

CEIM-UIC

Research University Company.

Created in 2010.

Coordinator: Ms. Zuzana Prochazkova, researcher.

## WORK AND MAINTENANCE MANAGEMENT AREA:

G3 Technician

Construction and maintenance management.

GPCAT

Construction and maintenance management.

Stable collaboration since 2001.

Responsible Technician: Mr. Antoni Floriach, Architect Technical.

—

UMMA

Collaboration since 2018.

Responsible Technician: Margherita Aricó and Ute Muencherberg.



# INTERNATIONAL COLLABORATORS

## MEXICO:

Bioconstruction and Alternative Energy.  
Sustainable building consulting. LEED certification.  
Stable collaboration since 2013.  
Responsible Technician: César Ulises Treviño, Civil Engineer.  
PGI Engineering.  
Installation projects. Calculation of structures. Advisory-estuary of consumption and energy saving.  
Stable collaboration since 1995.  
Responsible Technician: Daniel Bautista, Engineer

## KAZAKHSTAN - Almaty:

MARCO SALVATORE  
Architect (partner).  
Stable collaboration since 2014.

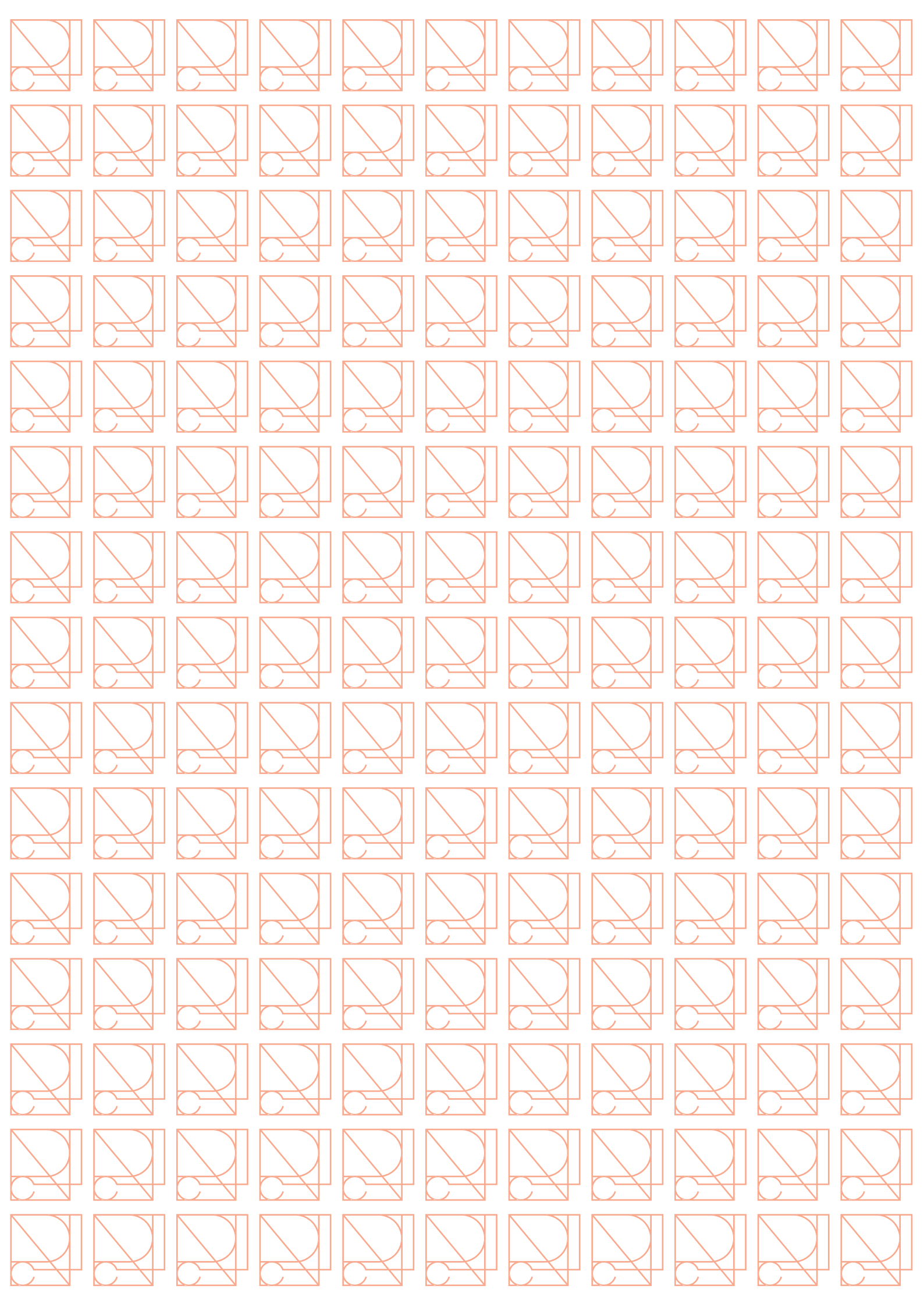
## FRANCE:

ETAMINE.  
Specialists in environmental and energy consulting.  
Stable collaboration since 2014.  
Nicolas Molle, Doctor of Engineering.  
INGEROP - Toulouse.  
Engineering.  
Stable collaboration since 2013.  
Responsible Technician: Patrick Cremont, Engineer.  
DAVID CRAS - Rennes  
Architect.  
Stable collaboration since 2008.  
180 Degrés Engineering:  
Environmental and energy consulting.  
Responsible Technician: Julien Coeurdevey, Engineer  
environmental planning in the planning of the work and the city.

## CHINA (sociedad OSA S.L.):

STEEL PRODUCTS (OSA partner)  
Management of international services.  
Stable collaboration since 2011.  
Responsible Technician: Francisco Concejo, Engineer.  
ANA FANG  
International project management.  
Stable collaboration since 2011.  
Mindy LEE  
Commercial contact for projects in China - zone  
Shanghai  
Stable collaboration since 2012.





## MAIN PROJECTS AND WORK



**HOUSING**

**PRIVATE DEVELOPMENT**

# HOUSING

## PRIVATE DEVELOPMENT

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



### HOUSING BLOCK "METROVACESA". SANT ADRIÀ DEL BESÓS.

In construction

Private development.  
New building.  
Volume of work: 5.460,48 m<sup>2</sup>.



### HIGH RISE HOUSES AND OFFICES "CASAS BETANIA". BARCELONA

Basic Project.  
Executive Project. Construction 2021

Private development.  
New building.  
Volume of work: 1.991,01 m<sup>2</sup>.  
Work cost (PEM): 2.739.106,29 €



### MULTI-FAMILY BUILDING IN "CARRETERA DE BARCELONA" 287. SABADELL. 2020

Private development.  
Developer: Neinor Hombres.  
New building with 69 housing units.  
Built area: 11.723,84 m<sup>2</sup>.  
Work Work cost PEM: 8.350.618,29 Euros.

First Prize restricted contest.

Energy certification rating A.

Environmental assessment BREEAM Good.





# HOUSING

## PRIVATE DEVELOPMENT

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



### MULTI-FAMILY BUILDING ON STREET AGRICULTURA 31-33. MOLLET DEL VALLÈS.

Basic and executive project 2020

Private development.

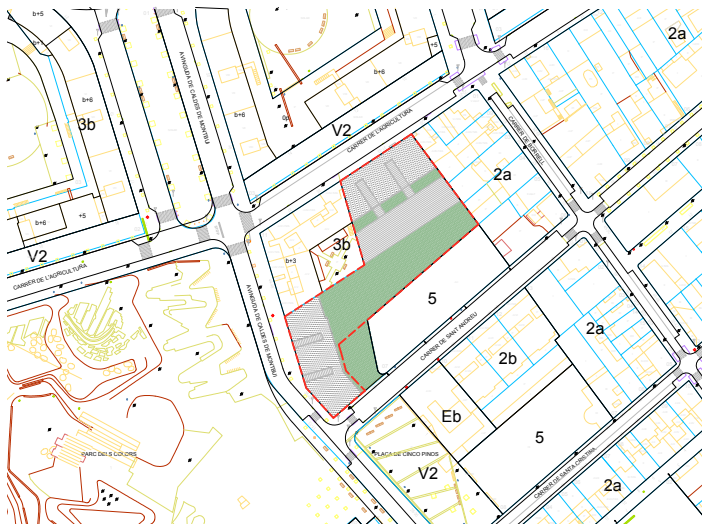
Developer: Solvia.

New building with 42 housing units.

Volume of work: 7.832,56 m<sup>2</sup>.

Work cost (PEM): 4.115.200 Euros.

Project developed from industrialized systems.



### MULTI-FAMILY BUILDING ON AVENIDA GAUDÍ 17. MOLLET DEL VALLÈS.

Basic and executive project 2020

Private development.

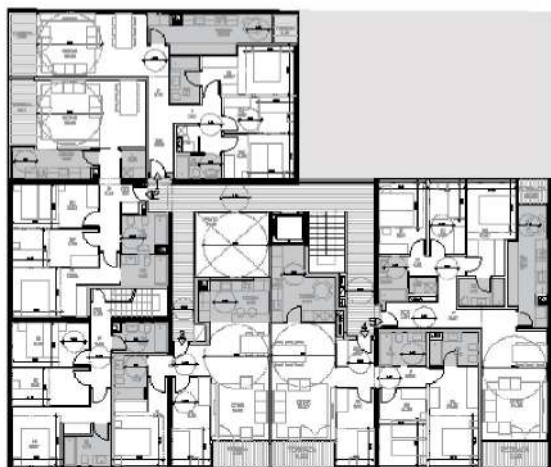
Developer: Solvia.

New building with 21 housing units.

Volume of work: 4.492,82 m<sup>2</sup>.

Work cost (PEM): 2.377.633 Euros.

Proyecto desarrollado desde sistemas industrializados.



### MULTI-FAMILY BUILDING CUMBRE ALLEGRO. MONTERREY. MÉXICO. Under construction 2018

Private development.

Developer: Inversiones Capital.

New building with 192 housing units.

Volume of work: 22.717,37 m<sup>2</sup>.

Work cost (PEM): 7.000.000 Euros.

Project developed from the evaluation criteria GREEN (GBCe).



# HOUSING

## PRIVATE DEVELOPMENT

Experience in projects and studies ○

Experience in construction management ●

Construction management experience ●

Work rehabilitation experience ○

BIM experience ●



### MULTI-FAMILY BUILDING PINTOR ALSAMORA 33-37. BARCELONA. 2017

Private development.  
Developer: Neinor Homes.  
New building with 34 housing units.  
Built area: 6.337,90 m<sup>2</sup>.  
Work cost PEM: 2.499.880,67 Euros.

First Prize restricted contest

Energy certification.

Environmental assessment BREEAM Good.

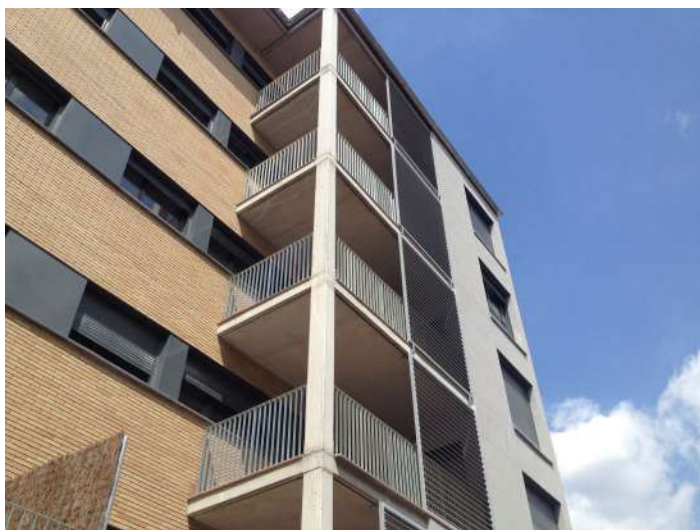


### HOUSING BUILDING IN ST. CUGAT. 2016

Private development.  
Developer: ALTAMIRA. ACR delegated promotion.  
New building with 20 housing units.  
Built area: 3010 m<sup>2</sup>.  
Work cost (PEM): 1.969.257 Euros.

Energy Certification qualification B.

Project developed from the criteria evaluation GREEN (GBCe).



### HOUSING BUILDING PAU ALCOVER. BARCELONA. 2014

Private development.  
New building with 10 housing units.  
Built area: 1.770 m<sup>2</sup>.  
Work cost (PEM): 2.198.673 Euros.

Energy Certification qualification A.

Housing units with remote management systems and control of the facilities (KNX).

Industrialized work with mixed systems.

Project developed from the criteria evaluation GREEN (GBCe).





# HOUSING

## PRIVATE DEVELOPMENT

Experience in projects and studies ○

Experience in construction management ●

Construction management experience ●

Work rehabilitation experience ○

BIM experience ●



### "CASA FUENTES". PUBLIC-PRIVATE DEVELOPMENT. OLD TOWN OF TOLEDO. 2013

Public-private development in collaboration with the Consortium of the Old Town of Toledo.

Rehabilitation.

Housing prototype for the old center with criteria of sustainability.

Built area: 376 m<sup>2</sup>.

Work cost (PEM): 524.399,66 Euros.

Monitoring and follow-up of energy behavior: KNX protocol.

Project developed from the criteria evaluation GREEN (GBCe).



### POMARET HOUSE. COLLSEROLA, BARCELONA. 2012

Private development.

New building.

Built area: 538 m<sup>2</sup>.

Work cost (PEM): 365.591,99 Euros.

Housing units with remote management system and control of the facilities (KNX).

Energy certification rating B.



# HOUSING

## PRIVATE DEVELOPMENT

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



### REHABILITATION OF A HOUSING UNITS BLOCK "VALENCIA-EIXAMPLE". BARCELONA. 2010

Private development.  
Developer: ICASA, INMOBILIARIA.  
Rehabilitation.  
Complete reconstruction and reversion of offices  
in rental housing. Supervised structural project,  
functional and facilities.  
Built area: 1.601,21 m<sup>2</sup>.  
Work cost (PEM): 493.515,34 Euros.



### UNIFAMILIAR HOUSING PROTOTYPES , HOUSE "KYOTO" TORRESSERONA. 2009

Private development.  
Developer: Promociones PMP.  
New building.  
Built area: 318 m<sup>2</sup>.  
Work cost (PEM): 320.000,00 Euros.

Energy certification rating A.

Fully industrialized building.





# HOUSING

## PRIVATE DEVELOPMENT

Experience in projects and studies ○

Experience in construction management ●

Construction management experience ●

Work rehabilitation experience ○

BIM experience ●



### BLOCK OF HOUSING UNITS MATARÓ. BARCELONA. 2008

Private development.

Developer: COPCISA INMOBILIARIA.

Special plan and volume.

New building 100 housing units.

Built area: 8.254 m<sup>2</sup>. hab. 5.572 m<sup>2</sup> pk.

Work cost (PEM): 7.535.970 Euros.



### HOUSING BLOCK IN RUBÍ. BARCELONA. 2008

Private development

Developer: ONCISA.

Special plan and volume.

New building with 60 housing units.

Built area: 8.356,00 m<sup>2</sup> above ground (1ªFASE)

8.308,66 m<sup>2</sup> above ground (2ªFASE)

Work cost (PEM): 3.665.491,84 Euros (1ª fase 2005)

5.400.000 Euros (2ª Fase 2007)



### HOUSING BLOCK "ABELLÓ I BUFÍ". TERRASE. BARCELONA. 2004

Private development.

Developer: ICASA, INMOBILIARIA.

Housing units and semi-public spaces in the middle of the urban island.

New building with 60 housing units, 3 commercial spaces and 64 parking spaces.

Built area: 9.524,26 m<sup>2</sup> edificación.

Work cost (PEM): 3.205.312,00 Euros.



# HOUSING

## PRIVATE DEVELOPMENT

Experience in projects and studies ○

Experience in construction management ●

Construction management experience ●

Work rehabilitation experience ○

BIM experience ●



### HOUSING UNITS "PAU CLARÍS" EIXAMPLE. BARCELONA. 2004

Private development.  
Developer: ICASA, INMOBILIARIA.  
Rental housing units and public space at the ground floor.

New building with 32 housing units. 1 office space.  
Built area 9.113,78 m<sup>2</sup> building  
1.700 m<sup>2</sup> commercial space /  
1.700 m<sup>2</sup> public space.  
Work cost (PEM): 2.548.661,25 Euros.

Green evaluation stamp for pilot project.



### HOUSING UNITS "AVDA. MADRID". TERRASSA. BARCELONA. 2004

Private development  
Developer: LEVEL.  
Housing units and semi-public space in the center of the block (urban island).  
New building with 69 housing units, 3 commercial spaces and 88 parking spots.  
Built area: 10.347,36 m<sup>2</sup> edificación.



### HOUSING BLOCK. GRANOLLERS. BARCELONA. 2002

Private development.  
Developer: ICASA, INMOBILIARIA.  
Housing units and public spaces in the center of the block.  
Built area: 7.783 m<sup>2</sup> viv. 2.476 m<sup>2</sup> pk.  
2.015 m<sup>2</sup> commercial space | 2.515 m<sup>2</sup> public space.  
Work cost (PEM): 2.712.523 Euros.





# HOUSING

## PRIVATE DEVELOPMENT

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

○ ●  
HOUSING BLOCK. EIXAMPLE.  
BARCELONA. 2000

Private Work cost.  
Developer: ESPAIS PROMOTORA.  
Housing units.  
New building with 10 housing units.  
Built area: 3.225 m<sup>2</sup>.  
Work cost (PEM): 1.268.131,25 Euros.



○ ●  
ROW HOUSES "CALA TAMARIT".  
CALA TAMARIT. TARRAGONA. 2000-2011

Planning, urbanisation project and designing.  
Private development.  
Developer: ICASA.  
Development of row housing in the M8 Islands (21 housing units) - M9 (10 housing units) - M10 (15 housing units) - M12-M13 (33 housing units) - M14 (37 housing units) - M17 (18 housing units) - M20 (16 housing units). M23 (single family houses).



○ ●  
HOUSING BLOCK. SABADELL.  
BARCELONA. 1998

Private development.  
Developer: FINIBA, S.L.  
Rental housing units.  
Built area: 10.126 m<sup>2</sup>.  
Work cost (PEM): 3.800.572,05 Euros.







**SOCIAL HOUSING**  
**PRIVATE DEVELOPMENT**

# SOCIAL HOUSING

## PRIVATE DEVELOPMENT

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



### ARAM-SOCIAL HOUSING . GAVA. 2014

Private development.  
Developer: Fundació ARAM.  
New building with 30 housing units.  
Built area: 3.502 m<sup>2</sup>.  
Work cost (PEM): 1.966.090,05 Euros.  
Housing units with a remote management and control system facilities.  
Project developed from the criteria of GREEN(GBCe).

Energy certification rating B  
Housing units with remote management systems.



### SOCIAL HOUSING BLOCK "SANTA MADRONA". BARCELONA. 2013

Private development.  
Developer: OBRA SOCIAL "LA CAIXA".  
New building with 62 housing units.  
Kindergarden.  
Built area: 4.430 m<sup>2</sup>.  
Work cost (PEM): 2.969.327,00 Euros.  
Energy Certification qualification B  
First prize restricted project competition.

Project developed from criteria evaluation GREEN(GBCe).



### SOCIAL HOUSING AND UNIFAMILIAR BLOCK VI- LAMALLA. 2011

Private development.  
Developer: FUNDACIÓ ARAM.  
New multi-family building (8 housing units) and single family housing units (6 housing units).  
Built area: 1.240 m<sup>2</sup> (multi-family building);  
850 m<sup>2</sup> (single family housing units).  
Work cost (PEM): 1.180.000,00 Euros.



# SOCIAL HOUSING

## PRIVATE DEVELOPMENT

Experience in projects and studies ○

Experience in construction management ●

Construction management experience ●

Work rehabilitation experience ○

BIM experience ●



SOCIAL HOUSING BLOCK. SITGES. BARCELONA. 2010

Private development.

Developer: OBRA SOCIAL "LA CAIXA".

New building with 124 housing units.

Built area: 12.826,35 m<sup>2</sup>.

Work cost (PEM): 7.595.588,44 Euros.

First prize restricted project competition.



MAS LLUHI HOUSING UNITS. SANT FELIU DE LLOBREGAT. BARCELONA. 2001

Private development.

Developer: INMOBILIARIA COLONIAL.

4 blocks of flats. 92 housing units.

Built area: 15.001,98 m<sup>2</sup>.

Work cost (PEM): 948 000 000 Pts. (5.697.594,75 Euros)

First Prize restricted contest.



HOUSING UNITS "ILLA DE L'AIGUA". TERRASA. 2001

Private development

Developer: ICASA, INMOBILIARIA.

Official protection of living.

Built area: 28.000 m<sup>2</sup>.

Work cost(PEM): 6.032.486 Euros.





**TERTIARY BUILDINGS**  
**PRIVATE DEVELOPMENTS**



# TERTIARY BUILDINGS

## PRIVATE DEVELOPMENT

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

### OFFICE PARK "BALI". VILADECANS.

Basic Project 2020

Private development.

Developer: Bali

New building.

Volume of work. Total: 26,667.87 m<sup>2</sup>.

Phase 1: 13,340.72 m<sup>2</sup>. Phase 2: 13,327.15 m<sup>2</sup>.

Park: 13,283 m<sup>2</sup>.

Work cost (PEM: Phase 1: 15,213,456 euros.

Park cost: 1,415,070 euros



### INTEGRAL REFORM "BUILDING PERE IV 86" .22 @

INNOVATION DISTRICT OF BARCELONA

Basic project. Execution project,  
construction 2020-2021

Private development.

Comprehensive rehabilitation with change of use from  
industrial to Offices

Volume of work: 3,535 m<sup>2</sup>.Interior + 657m<sup>2</sup> sup. patios and  
terraces.

Cost of the works € 3.2M PEM

### IN OUM WELLNESS EN ARBOLEDA. SAN PEDRO GARZA. MÉXICO.

Under construction

Private development.

Developer: Natural Capital."

Wellness" Center.

New building. Volume of work: 13,701.62 m<sup>2</sup>.

Work cost (PEM): 6,000,000,000 Euros.

Project developed from the evaluation NZEB and WELLBEING



# TERTIARY BUILDINGS

## PRIVATE DEVELOPMENT

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



### NEW INSTITUTE OF INVESTIGATION OF HOSPITAL OF SANT PAU. BARCELONA. 2018

Private development.  
Developer: "Hospital de la Santa Creu i Sant Pau Foundation."  
New building for the Research Institute Biomedical of Sant Pau. Volume of work: 9,705 m<sup>2</sup>.  
Work cost (PEM): 13,812,000 Euros.

First prize restricted project competition.

LEED Gold



### BUILDING "SÓCRATES-INDUSTRIA 4.0". AGORA BUSSINESS PARK. VILADECANS. 2020

Private development.  
Developer: GONSI.  
Multi purpose industrial and office building. New building.  
Work volume: 6,265.04 m<sup>2</sup>.  
Work cost (PEM): 3,569,237 Euros.

LEAN methodology. IPD contract

Project developed under criteria Circular Economy and Cradle to Cradle.

LEED Environmental Assessment (In process)



### INTEGRAL REFORM OF INDUSTRIAL ZONE INTO OFFICES. 2019

Private development.  
Integral rehabilitation.  
Rehabilitated useful area: 673.72m<sup>2</sup>



# TERTIARY BUILDINGS

## PRIVATE DEVELOPMENT

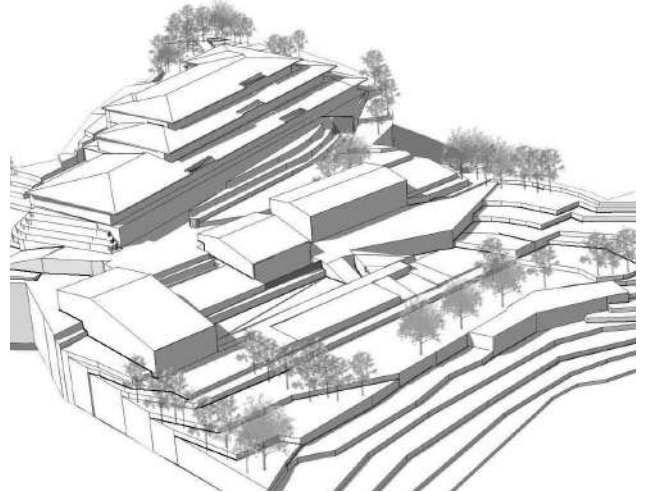
- Experience in projects and studies ○
- Experience in construction management ●
- Construction management experience ●
- Work rehabilitation experience ○
- BIM experience ●



CADAQUÉS HOTEL. Basic project.  
In development Execution Project.

Private development.  
Developer: HOTEL ROCAMAR CADAQUÉS SL  
New 5-star hotel in Cadaqués.  
Volume of work: 10,000 m<sup>2</sup>.  
Work cost (PEM): 10,000,000 Euros.

Project developed since GREEN evaluation criteria (GBCe)



INTEGRAL REFORM. OFFICES GONSI S.L.  
HOSPITALET DE LLOBREGAT.

Private development.  
Developer: GONSI SLReform.  
Volume of work: 450 m<sup>2</sup>.  
Work cost (PEM): 330,000 Euros.

Project developed from the criteria evaluation GREEN  
(GBCe).



OFFICES "AURA SEGUROS" .SANTA COLOMA DE  
GRAMENET . 2016.

Private development.  
Developer: Aura Seguros.  
Comprehensive rehabilitation: Structural reform  
(structure and stair cores).  
Functional reform. reform integral of the envelope (facades  
and roofs).  
Volume of work: 1,200 m<sup>2</sup>.  
Work cost (PEM): 972,000 Euros.

First Prize in the curricular contest and offer.

Energy certification rating A.

Project developed from the criteria evaluation GREEN  
(GBCe)





# TERTIARY BUILDINGS

## PRIVATE DEVELOPMENT

Experience in projects and studies ☐

Experience in construction management ☒

Construction management experience ☐

Work rehabilitation experience ☐

BIM experience ☒



### OLESA REFORM. 2016

Private development.  
Developer: Unitex SAREform: reconversion of part of the textile factory in offices.  
Volume of work: 1200 m<sup>2</sup>.  
Work cost (PEM): 1,052,000 Euros.

Project developed according to GREEN evaluation criteria (GBCe)



### LEITAT INSTITUTE OF INVESTIGATION. 2014

Private development.  
Developer: LEITAT Foundation.  
New construction.  
Built area: 4,468.28 m<sup>2</sup>.  
Work cost (PEM): 5,250,000 Euros.

First Prize restricted project competition. GREEN evaluation stamp. Rating: 4 sheets



### EXPO 2014. QINGDAO. XINA. 2014

Private development.  
New building.  
Built area: 1,450 m<sup>2</sup>.  
Work cost (PEM): 4,111,130.00 Euros.



# TERTIARY BUILDINGS

## PRIVATE DEVELOPMENT

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



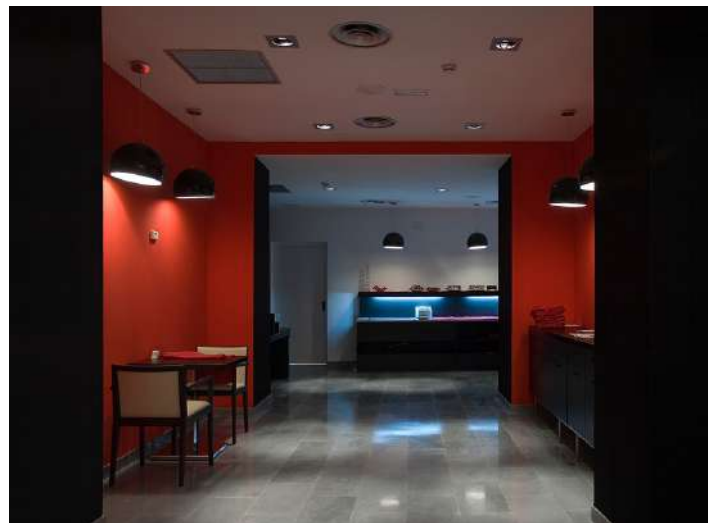
### APART HOTEL. EIXAMPLE BARCELONA. 2011

Private development.  
Special Plan and New Building.  
Volume of work: 1,984.97 m<sup>2</sup>.  
Work cost (PEM): 1,703,104.26 Euros



### REHABILITACIÓN DE UN EDIFICIO EN HOTEL EN EL EIXAMPLE. BARCELONA. 2008

Private development.  
Developer: HIGH-TECH HOTELS.  
Special Plan and Building.  
Integral reform. Conversion of a building of offices in hotel.  
Volume of work: 3,879 m<sup>2</sup>.  
Work cost (PEM): 1,372,775.33 Euros



### INDUSTRIAL AND OFFICE BUILDING. SANT JUST DESVERN BARCELONA. 2008

Private development.  
Developer: GONSI SLSpecial Plan and New Building.  
Mixed-use building. Industrial and offices.  
Volume of work: 5,723 m<sup>2</sup>.  
Work cost: 2,656,143 Euros



# TERTIARY BUILDINGS

## PRIVATE DEVELOPMENT

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

### INDUSTRIAL AND OFFICE BUILDING. HOSPITALET DE LLOBREGAT. BARCELONA. PROJECT 2008

Private development  
Industrial ships. Offices. Semi-public space in the center  
of the block.  
Volume of work: 26,327 m<sup>2</sup>: 14,252 m<sup>2</sup> offices 4,736 m<sup>2</sup>  
industrial buildings 3,544m<sup>2</sup> public green space.  
Work cost (PEM): 9,803,335 Euros



### INTEGRAL REHABILITATION OF AN INDUSTRIAL BUILDING "22@". BARCELONA. 2004

Private Work cost. Comprehensive rehabilitation:  
transformation of an industrial building in offices.  
Consolidation of the structure.  
Comprehensive transformation of the packaging. Integral  
Project for office use. Volume of work: 4,896.59 m<sup>2</sup>.  
Work cost (PEM): 1,888,849.00 euros





**SOCIAL HOUSING**  
**PUBLIC DEVELOPMENT**

# SOCIAL HOUSING

## PUBLIC DEVELOPMENT

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



HOUSING BLOCK. SAINT NAZAIRE (44).  
FRANCE. En Proyecto 2018

Public development.  
Developer: SILENE.  
New construction of 56 social housing.  
Volume of work: 3988 m<sup>2</sup>.  
Work cost (PEM): 5,878 M Euros.  
Planned completion: 2020.

Project developed under HQE criteria.



HOUSING BLOCK . MANRESA . 2011

Public development.  
Developer: FORUM-MANRESA paramunicipal society.  
Housing project.  
Public space. Draft.  
New building with 96 homes.  
Volume of work: 8,504.73 m<sup>2</sup>.  
Work cost (PEM): 6,443,163.68 Euros.

First Prize restricted contest.

Component monitoring and tracking of energy.

European project BECA.

Energy certification rating B



HOUSING BLOCK. RENNES, FRANCIA. 2011

Public development.  
Developer: Rennes City Council.  
Housing project. Public space.  
New building 120 homes.  
Volume of work: 9,680 m<sup>2</sup> building.  
Work cost (PEM): 11582761 Euros.

First Prize restricted contest.



# SOCIAL HOUSING

## PUBLIC DEVELOPMENT

Experience in projects and studies ○

Experience in construction management ●

Construction management experience ●

Work rehabilitation experience ○

BIM experience ●



### HOUSING BLOCK.VITORIA. 2009

Public development.

Developer: VISESA

.Housing project. Public space.New building 156 housing units.

Volume of work: 25,293.66 m<sup>2</sup> building.

Work cost (PEM): 13,403,341.18 Euros.

First Prize restricted contest.

Research project and parameterization of the resources and energy used in its construction. Visesa scholarship.

Industrialized work with concrete systems



### HOUSING BLOCK. GAVÀ. 2008

Public development.

Developer: GTI para-municipal society.

Housing project. Public space. Draft.New building 18 housing units.

Volume of work: 4,480 m<sup>2</sup> building.

Work cost (PEM): 3,759,155.60 Euros.

First Prize restricted contest



### "EL POLVORÍN" HOUSING BLOCKS BARCELONA. 2005

Public development.

Developer: Catalan Soil Institute.Government of Catalonia.

Relocation of families from an old building.

New building 112 homes.

Volume of work: 12,195.28 m<sup>2</sup>.

Work costt (PEM): 5,345,351.94 Euros.

First Prize restricted contest.

Industrialized work with concrete systems.







**TERTIARY BUILDINGS**  
**PUBLIC DEVELOPMENT**

# TERTIARY BUILDINGS

## PUBLIC DEVELOPMENT

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



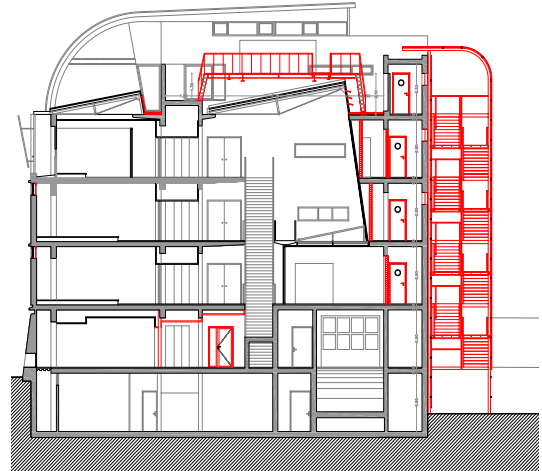
### REHABILITATION OF THE COURTS OF BADALONA. BADALONA. Basic Project. 2017

Public development.  
Developer: ISA. "Generalitat of Catalunya".  
Rehabilitation: construction improvements, use and improvements of the installations.  
Volume of work: 3,928 m<sup>2</sup>.  
Work cost (PEM): 175,665.56 euros.

Energy Certification: pending.

First Prize in the curricular contest and offer.

Project developed from the criteriaevaluation GREEN (GBCe)



### REFORM AND EXPANSION OF THE CIVIC CENTER "LES CORTS-PERE QUART". BARCELONA. 2015

Public development.  
Developer: Barcelona City Council. Les Corts District.  
Reform of the existing plant. Go back from a new plant.  
Comprehensive structural and facilities studio.  
Volume of work: 1,020m<sup>2</sup> (reform) + 970m<sup>2</sup>.(Extension)  
Work cost (PEM): 1,420,000 Euros.

Energetic certification. Rating B.

Project evaluated from the criteriaevaluation GREEN (GBCe).

Industrialized work with light systems.



### CIVIC CENTER "SAN BERNABÉ". MONTERREY. MÉXICO. 2014

Public development.  
Developer: Secretaría de desarrollo social con la colaboración de CEMEX.  
Nueva edificación.  
Superficie parcela: 58.082 m<sup>2</sup>.  
Volume of work: 3.137 m<sup>2</sup>.  
Work cost (PEM): 4.500.000 Euros.

Edificio evaluado desde los criterios LEED.

Proyecto desarrollado desde los criterios de evaluación VERDE (GBCe).



# TERTIARY BUILDINGS

## PUBLIC DEVELOPMENT

Experience in projects and studies ○

Experience in construction management ●

Construction management experience ●

Work rehabilitation experience ○

BIM experience ●



### CENTRO CIENTÍFICO TECNOLÓGICO AGROALIMENTARIO LÉRIDA. 2009

Public development.

Developer: Ayuntamiento de Lérida.

Rehabilitation and new building. Planned and managed by the architect UTE with Josep M<sup>a</sup> Puigdemasa.

Volume of work: 19.020 m<sup>2</sup>.

Work cost (PEM): 9.426.208,50 Euros.

First Prize Project Contest.

Sistemas de simulación y monitorización:  
Lider, Ecotect, Energy Plus, Design Builder.



### CENTRO AUDIOVISUAL "MAGICAL". LÉRIDA. 2012

Public development.

Developer: Ayuntamiento de Lérida.

Rehabilitation and new building.

Planned and managed by the architect with  
Unión Temporal con Josep M<sup>a</sup> Puigdemasa.

Volume of work: 7.448,49 m<sup>2</sup>.

Work cost (PEM): 5.232.000,00 Euros.

First Prize Project Contest.

Energetic certification rating B.





# TERTIARY BUILDINGS

## PUBLIC DEVELOPMENT

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



### MULTI-FUNCTIONAL BUILDING OF THE FUND. SANTA COLOMA DE GRAMENET. 2013

Public development.  
Developer: Santa Coloma de Gramenet City Council.  
New building: market, supermarket, nursery and library.  
Volume of work: 8,580 m<sup>2</sup>.  
Work cost (PEM): 8,421,537.51 Euros.

First Prize in project and work competition.

Energy certification rating B.

Project developed from the criteriaevaluation GREEN  
(GBCe).



### SWIMMING POOL PCO-3 "TREBOL". LÉRIDA. 2010

Public development.  
Developer: Lleida City Council.  
New construction of indoor swimming pool, fitness rooms and sports  
Construction and operation in joint venture with Construcciones FEU and Trebol.  
Volume of work: 5,625 m<sup>2</sup>. Term of work: 10 months.  
Work cost (PEM): 6,500,181.00 Euros.

First prize in the project, construction and exploitation contest.

Energy certification rating B.

Building that produces electricity with biomass.

Industrialized work with concrete systems.



### HOSPITAL SANT JOAN. REUS. 2010

Public development.  
Developer: Innova. Reus City Council -Generalitat of Catalonia.  
New intercomarcal hospital building and work of urbanization of the surroundings.  
Project and Direction inTemporary Union with Corea-Moran arquitectos. Working collaboration with Dragados Constructora.  
Constructed area: 90,830.92m<sup>2</sup> Parking: 17,450.32 m<sup>2</sup>.  
Work cost (PEM): 110,962,872.71 Euros

First prize in the project and work contest.

Building evaluated from the energy simulationand TRANSYS thermodynamics



# TERTIARY BUILDINGS

## PUBLIC DEVELOPMENT

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



### SWIMMING POOL PCO-2. L'AMETLLA DE MAR TARRAGONA. 2010

Public development.  
Developer: L'Ametlla de Mar City Council.  
New construction of indoor swimming pool and sports halls.  
Construction and Exploitation in union temporary  
Contrucciones FEU and Trevol.  
Volume of work: 3,678 m<sup>2</sup>. Term of work: 10 months.  
Work cost (PEM): 3,698,510 Euros.

First prize project contest, work and exploitation.

Industrialized work with concrete systems.



### DAY ASSISTANT CENTER "ALFONS MONCANUT" SANT CELONI. 2010

Public development.  
Developer: Public promotion. town hall of Sant Celoni.  
Work integrated into FEIL. New municipal day center building.  
Volume of work: 693.10 m<sup>2</sup>. Term of work: 8 months.  
Work cost (PEM): 550,000.00 Euros.

Energetic certification. Grade A.

First prize restricted project competition.

Industrialized work with concrete systems.



### SPORTS CENTER PAV-2. SERÒS. LÉRIDA. 2009

Public development.  
Developer: Seròs Town Council.  
New building of the municipal sports hall.  
Volume of work: 2,560.54 m<sup>2</sup>.  
Work cost (PEM): 2,417,197.21 Euros.

First prize in the project competition.

Industrialized work with light systems





# TERTIARY BUILDINGS

## PUBLIC DEVELOPMENT

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



### SPORTS PAVILION PAV-3. ARENYS DE MUNT. BARCELONA. 2009

Public development.  
Developer: Arenys de Munt City Council.  
New pavilion building municipal sports center.  
Volume of work: 2,536 m<sup>2</sup>. Work term: 6 months.  
Work cost (PEM): 2,231,602.47 Euros.

First Prize project contest.

Industrialized work with light systems .



### JUDICIAL BUILDING. VILAFRANCA DE PENEDES. BARCELONA. 2007

Public development.  
Developer: Department of Justice. GISA. "Generalitat of Catalunya".  
New judicial building construction.  
Volume of work: 4,356.25 m<sup>2</sup>.  
Work cost (PEM): 3,517,060.69 Euros.

First Prize restricted contest



### TELEFONICA MOBILE CENTER TOLEDO. 2005

Public development.  
Developer: Ministry of Science and Technology of the Castilla la Mancha Community.  
New building for a call-center. Direction of work in collaboration with Manuel Santoloya, Architect.  
Volume of work: 4,298 m<sup>2</sup>.  
Work cost (PEM): 4,568,507.14 Euros.

First Prize Competition.

Building evaluated from the TAS energy simulation.

Industrialized work with mixed systems



# TERTIARY BUILDINGS

## PUBLIC DEVELOPMENT

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

### CIVIC AND ASSISTANT DAY CENTER . SABADELL . BARCELONA . 2001 .

Public development.  
Developer: Social Welfare. "Generalitat of Catalunya".  
New building and day center.  
Volume of work: 1,240.95 m<sup>2</sup>.  
Work cost (PEM): 684,499.57 Euros.

First Prize Restricted Contest Project



### DAY ASSISTANT CENTER AND THIRD AGE APART- MENTS .SANTS . BARCELONA . 1998.

Public development.  
Developer: Social Welfare. "Generalitat of Catalunya".  
New building 18 homes.  
Volume of work: 1,189.40 m<sup>2</sup>.  
Work cost (PEM): 596,728.03 Euros.

First Prize restricted project competition





**EDUCATION BUILDINGS**  
**PRIVATE DEVELOPMENT**

# EDUCATION BUILDINGS

## PRIVATE DEVELOPMENT

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



### NURSERY "TERESIANAS". BARCELONA. 2018

Private development.  
Developer: Guarderia Teresianas.  
Private school. Reform.  
Work cost (PEM): € 354,878.87 Euros.  
Work volume: 294.15 m<sup>2</sup>.



### PAIDEIA SCHOOL. BARCELONA. 2015

Private development.  
New Edificación Special education school center.  
Management supported by executive management.  
Volume of work: 2,300 m<sup>2</sup>. Work cost (PEM): 770,000 Euros.

Energy certification rating B.

First Prize project contest. Industrialized work with concrete systems.

Project developed from the criteria evaluation GREEN (GBCe).



### ENERGY AUDIT AND REFORM OF CLASSROOMS AND AUDITORIUM " LYCÉE FRANÇAIS DE BARCELONE ". BARCELONA . 2015-2016 .

Private development.  
Developer: Lycée Français.  
Rehabilitation: improvement of comfort and demand energy efficient classrooms and auditorium reform.  
Volume of work: 3,230 m<sup>2</sup>.  
Work cost (PEM): 414,127 Euros.

First Prize Cv contest and offer.

Project developed from the criteria evaluation GREEN (GBCe)



# EDUCATION BUILDINGS

## PRIVATE DEVELOPMENT

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



### REFORM OF P3, P4 i P5 IN THE SCHOOL "TERESIANAS". BARCELONA. 2015

Private development.  
Developer: Teresianas-Ganduxer School.  
Reform: comprehensive reform of classrooms P3, P4  
and P5, dining room, basement and first floor.  
Volume of work: 386 + 386 m<sup>2</sup>. Work cost (PEM):  
317,194 Euros.

Energetic certification. Rating B.

Project developed from the criteria evaluation GREEN  
(GBCe).



### NEW TERESIANES SCHOOL BUILDING / GANDUXER BARCELONA . 2014.

Private development. Reform and expansion.  
Volume of work: 2845 m<sup>2</sup> new construction | 644 m<sup>2</sup> reform.  
Work cost (PEM): 2,114,357.9 Euros.

Energy certification rating B.

Industrialized work with mixed systems.

Project developed from the criteria evaluation GREEN (GBCe).



### IESTUR SCHOOL EXTENSION. CIUDAD DE MÉXICO. MÉXICO. 2008

Private school.  
Special Plan and New Building.  
Project in collaboration with Biomah-México.  
Volume of work: 1250.22 m<sup>2</sup>.





**EDUCATION BUILDINGS**  
**PUBLIC DEVELOPMENT**



# EDUCATION BUILDINGS

## PUBLIC DEVELOPMENT

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



### "ABATE MOLINA" SCHOOL | TALCA MAULE REGION. CHILE. 2013

Public development.  
Promoter: Municipality of Talca.  
Reform and expansion.  
Volume of work: 12,695 m<sup>2</sup>.  
First prize in the project and work in union  
contest temporary with the architect Marcelo Galano  
Thomann.  
Sergio Aguilar architect collaboration with  
Copcisa Construction company.

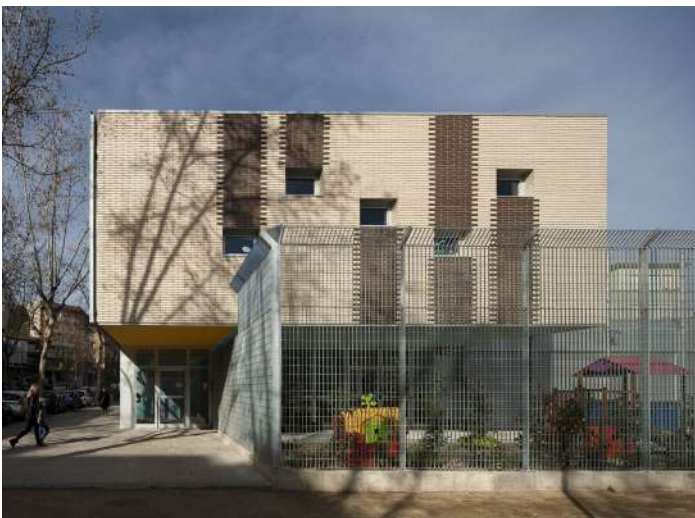
First Prize in project and work competition.

Project developed since GREEN evaluation criteria (GBCe).



### CEIP "ACÀCIES" CHILDREN'S SCHOOL EXTENSION .BARCELONA. 2012.

Public development.  
Promoter: Barcelona Education Consortium.  
Barcelona's town hall.  
New municipal nursery building and existing CEIP expansion.  
Volume of work: 1781 m<sup>2</sup>.  
Work cost (PEM): 3,541,049.56 Euros.  
First Prize in project and work competition.  
Industrialized work with light systems.



### CEIP JOSEP GUINOVART. CASTELLDEFELS. 2011

Public promotion.  
Promoter: Department of Education. ISA. "Generalitat of  
Catalunya".  
New construction of a primary school in collaboration with  
Deco Constructora.  
Volume of work: 3,676.80 m<sup>2</sup>.  
Term of work: 10 months.  
Work cost (PEM): 3,530,562.95 Euros.  
Energy certification: Rating B.  
First Prize in project and work competition.  
Industrialized work with concrete systems.



# EDUCATION BUILDINGS

## PUBLIC DEVELOPMENT

Experience in projects and studies ○

Experience in construction management ●

Construction management experience ●

Work rehabilitation experience ○

BIM experience ●



### NURSERY "PERÚ". BARCELONA. 2011

Public development.  
Developer: Barcelona Education Consortium.  
Barcelona's town hall.  
Work integrated into the FEIL program.  
New municipal nursery building.  
Volume of work: 1,090.26 m<sup>2</sup>.  
Work cost (PEM): 1,230,000.00 Euros.  
Energy certification rating A.

First prize in the project competition.

Work integrated into the FEIL program..



### KINDERGARDEN "LES PARELLADES". SANT PERE DE RIBES. 2010

Public development.  
Developer: Ministry of Education and Science of  
Castilla la Mancha.  
New school center building.  
Volume of work: 4,117.48 m<sup>2</sup>.  
Work cost (PEM): 3,519,179.65 Euros.  
Energetic certification. Rating B.

First Prize project contest.

Industrialized work with mixed systems



### CEP "LOS ARENALES" . GUADALAJARA . 2010.

Public development.  
Developer: Ministry of Education and Science of Castilla-La Mancha.  
New school center building.  
Volume of work: 4,117.48 m<sup>2</sup>.  
Work cost (PEM): 3,519,179.65 Euros.  
Energetic certification. Rating B.

First Prize project contest.

Industrialized work with concrete systems





# EDUCATION BUILDINGS

## PUBLIC DEVELOPMENT

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



### "EL COLL". KINDERGARDEN BARCELONA. 2010

Public development.  
Developer: Education Consortium.  
Barcelona's town hall.  
Work integrated into the FEIL program.  
New municipal nursery building.  
Volume of work: 907.29 m<sup>2</sup>. Work cost (PEM): 1,199,847.85 Euros.

First Prize restricted project competition.



### CEIP "CASTELL D'ODENA". ODENA. 2009

Public development.  
Developer: Department of Education. ISA. "Generalitat of Catalunya".  
New construction of a primary school in collaboration with Bosch and Pascual Constructora.  
Volume of work: 1,068.72 m<sup>2</sup>.  
Work cost (PEM): 1,303,843.34 Euros.  
Energetic certification. Rating B.

First Prize in project and work competition.

Industrialized work with light systems



### CEIP "EULALIA BOTA". BARCELONA. 2008.

Public development.  
Developer: Department of Education. ISA. "Generalitat of Catalunya".  
New construction of a primary school in collaboration with DECO Constructora.  
Volume of work: 2,999 m<sup>2</sup>.  
Term of work: 9 months.  
Work cost (PEM): 2,919,096.12 Euros.

First Prize in project and work competition.

Industrialized work with mixed systems



# EDUCATION BUILDINGS

## PUBLIC DEVELOPMENT

Experience in projects and studies ○

Experience in construction management ●

Construction management experience ●

Work rehabilitation experience ○

BIM experience ●



### CEIP-PERE IV. BARCELONA. 2008

Public development.

Developer: Education Consortium. Barcelona's town hall.

New building.

Volume of work: 907.29 m<sup>2</sup>.

Work cost (PEM): 1,199,847.85 Euros.

First Prize restricted project competition



### "TORRESSANA" NURSERY . TERRASE . 2008.

Public development.

Developer: Terrassa City Council.

New building municipal nursery in collaboration  
with Bosch and Pascual Constructora.

Volume of work: 860.42 m<sup>2</sup>.

Work term: 4 months.

Work cost (PEM): 1,464,173.47 Euros.

First Prize in project and work competition.

Industrialized work with mixed systems



### ELS POPS NURSERY .LLORET DE MAR . 2007.

Public development.

Developer: Lloret de Mar City Council.

New municipal nursery building.

Volume of work: 797 m<sup>2</sup>.

Work cost (PEM): 790,273 Euros.

First Prize project contest.

Industrialized work with light system



# EDUCATION BUILDINGS

## PUBLIC DEVELOPMENT

Experience in projects and studies ○

Experience in construction management ●

Construction management experience ●

Work rehabilitation experience ○

BIM experience ●



### "CAN ROCA" KINDERGARDEN .TERRASE . 2006.

Public development.  
Developer: Terrassa City Council.  
New municipal nursery building. Work in collaboration with Bosch and Pascual Constructora.  
Volume of work: 870 m<sup>2</sup>. Work term: 3 months.  
Work cost (PEM): 804,201.68 Euros.

First Prize in project and work competition.

Industrialized work with mixed systems

### CEIP-LES GLÒRIES. BARCELONA. 2006



Public development.  
Developer: Department of Education. GISA.Government of Catalonia.  
New primary school building. Volume of work: 3,713.70 m<sup>2</sup>.  
Work cost: (PEM): 2,536,274.51 Euros.

First Prize project contest.

Industrialized work with mixed systems



### CEIP-VALLROMANES. BARCELONA. 2006

Public development.  
Developer: Department of Education. ISA."Generalitat of Catalunya".  
New primary school building.  
Work in collaboration with ACSA Constructora.  
Volume of work: 3,246.82 m<sup>2</sup>. Term of work: 5 months.  
Work cost (PEM): 2,639,997 Euros.

First Prize Project and Work Contest.

Industrialized work with concrete systems..





# EDUCATION BUILDINGS

## PUBLIC DEVELOPMENT

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

### CEIP-LLORET. GERONA. 2005

Education department. ISA.  
"Generalitat of Catalunya".  
New primary school building.  
Work in collaboration with ACSA Constructora.  
Volume of work: 4,699 m<sup>2</sup>. Work term: 7 months.  
Work cost (PEM): 3,631,180 Euros.

First Prize in project and work competition (2 Phases).

Industrialized work with concrete systems



### CEIP PONENT-TERRASSA. EL VALLÉS. BARCELONA. 2004

Education department. ISA.  
"Generalitat of Catalunya".  
New primary school building.  
Work in collaboration with DECO Constructora.  
Volume of work: 3,272 m<sup>2</sup>. Term of work: 5 months.  
Work cost (PEM): 3,027,040 Euros.

First Prize in project and work competition.

Industrialized work with concrete systems.

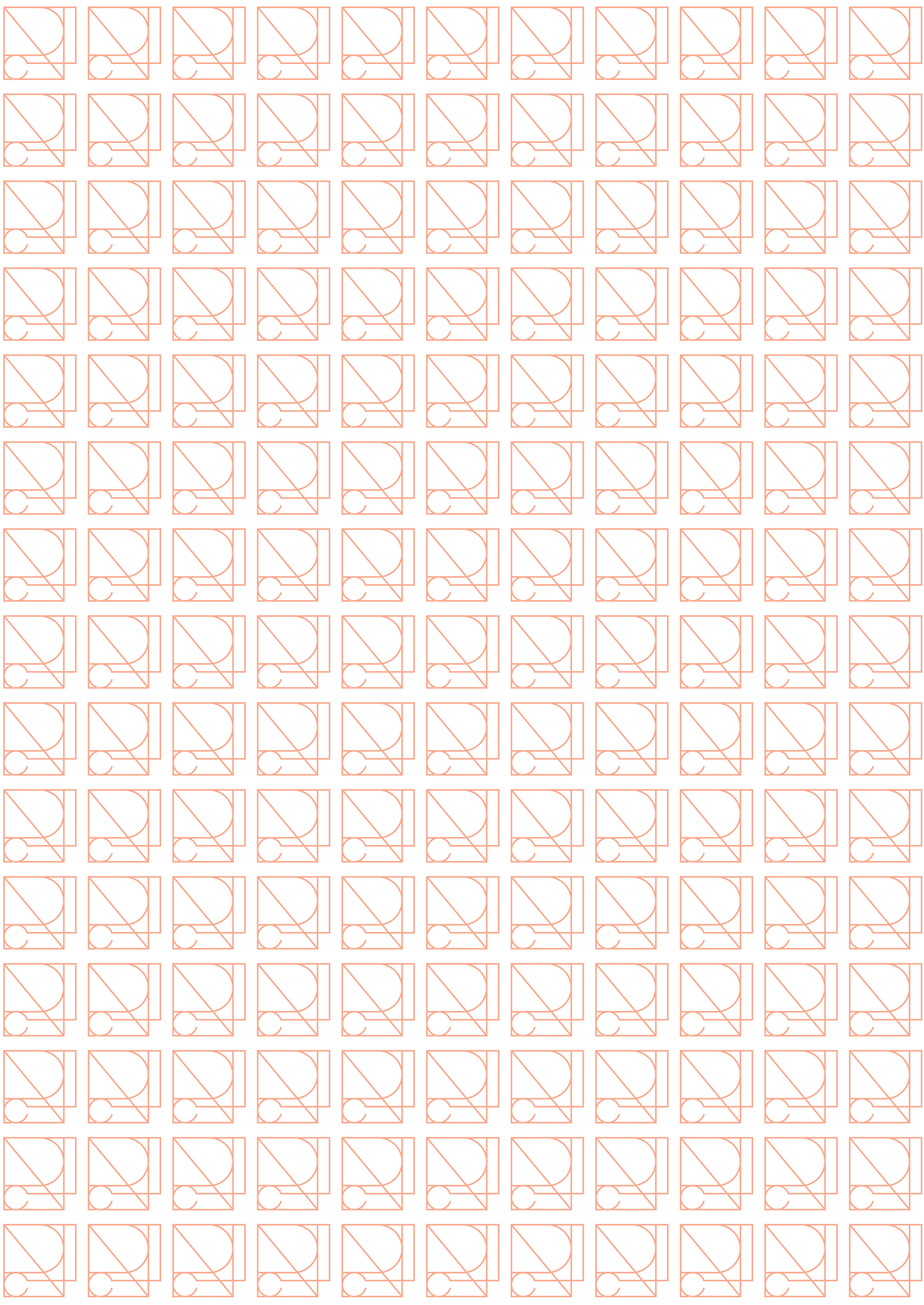
### CEIP-SANT CUGAT. SANT CUGAT. BARCELONA. 2003

Public development.  
Developer: Department of Education. ISA. "Generalitat of Catalunya".  
New construction of a primary school in collaboration with Deco Constructora.  
Volume of work: 3,676.80 m<sup>2</sup>. Term of work: 10 months.  
Work cost (PEM): 3,530,562.95 Euros.  
Energy certification: Rating B.

First Prize in project and work competition.

Industrialized work with concrete systems..





# PLANNING

The studio, in addition to the specific experience in urban planning, has an analysis department of the potential of real estate assets to provide value and potential to the real estate investor.

- Analysis of urban and regulatory viability of the assets
- Studio of legal and economic conditions, in dialogue with the various administrations.
- Architectural fittings.
- Analysis of the potential applications of environmental parameters.
- Proposals for costs and terms of operations with various contracting systems.  
Economic.
- CAPEX valuation of the operation

# PLANNING

DUE DILIGENCE TECNICA "COMMODUS". Barcelona  
Urban feasibility. Architectural lace. Economic  
valorification. 2020

Private Work cost.  
Built area: 3.880 m<sup>2</sup>.



DIRECTOR PLAN FOR ENVIRONMENTAL IMPROVEMENT  
AND ENERGY OF AN APPLE FROM THE ENSANCHE  
FROM BARCELONA. 2016. ex aequo award

Team: architects, Picharchitects and ArriolaFiol.

Engineers: La Vola and Aiguasol.

Citizen participation: Recoopere and ECTS.

Economy: Eva Bufí.

Public-private development. Generalitat of Catalunya.

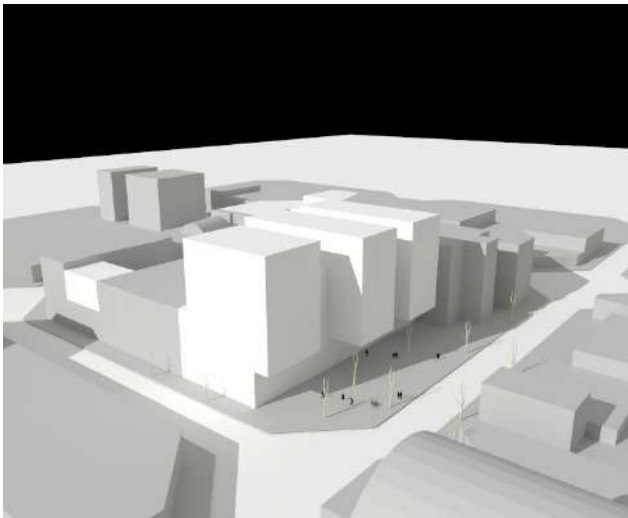
Barcelona's town hall. Communities of island owners.

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

# PLANNING

## URBAN IMPROVEMENT PLAN EXPANSION TERESIANAS GANDUXER SCHOOL. 2012

Private development. Teresiana Foundation.  
 Studio of possible volumes for the expansion of the Teresianas Ganduxer school.  
 Interlocution, property, heritage City Council of Barcelona, Generalitat de Catalunya Heritage for define the most appropriate plan in the protection area of the architectural heritage declared Cultural Asset of National Interest (BCNI).  
 Development of the Urban Improvement Plan.



LA MANZANA URBAN IMPROVEMENT PLAN DELIMITED BY THE BADAJOZ STREETS, TANGER, ÁVILA AND SANCHO DE ÁVILA. District of the 22 @ innovation. BARCELONA. Approval 2011

Private development.  
 Compensation Board Process.  
 Island development project in the 22 @ district of Barcelona.  
 Urban Improvement Plan.  
 In development phase.  
 Planning area: 7,843.20 m<sup>2</sup>

## VOLUMETRIC MANAGEMENT - PROJECT OF URBANIZATION BUILDING PROJECT MANRESA. 2009

Public development.  
 FORUM-MANRESA paramunicipal society.  
 Project for the urban renewal of a degraded area from the old town of Manresa.  
 Volume of work: 4,238 m<sup>2</sup> building / 3,915 m<sup>2</sup> of public space.  
 Restricted Contest Award.





# PLANNING



## SELF-SUFFICIENT NEIGHBORHOOD PROJECT FOR THE CITY OF BARCELONA "KISSES SUSTAINABLE". 2008-2009

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

Investigation project.

Coordination: Team Pich-Aguilera - Lluís Grau.

Studio area: 166 Ha..

## BIOCLIMATIC CRITERIA AND SUSTAINABILITY. HISTORICAL TOWN OF TOLEDO. TOLEDO CONSORTIUM. 2006-2009

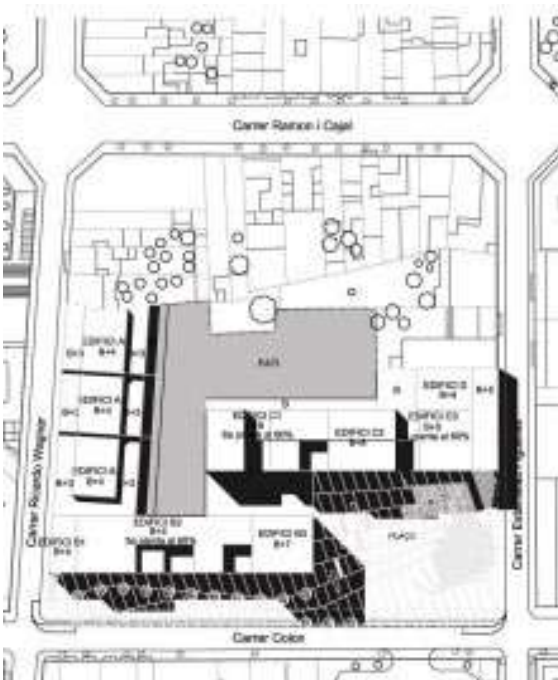
Public development.

Toledo Consortium.

Carrying out a studio on criteria bioclimatic and sustainability in El Casco Histórico of Toledo.

Criteria to govern in therehabilitation and new construction.

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



## SPECIAL PLAN WAGNER-COLON-RAMÓN Y CAJAL. TERRACE. 2002

Private development.

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

Planning area: 8,604m<sup>2</sup>

Built ceiling: 20,645 m<sup>2</sup>

Number of dwellings: 205 units

# PLANNING

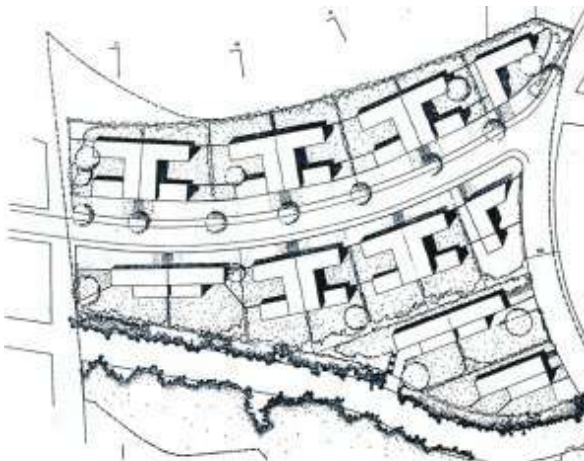
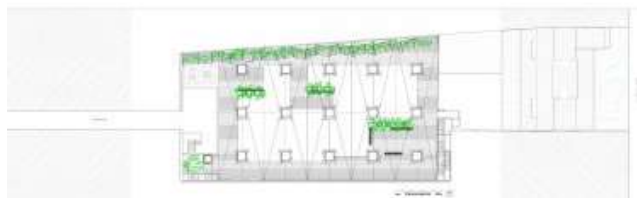


## PARTIAL URBAN PLAN SECTOR "PLAN DEL DOMENY". GERONA. 1995

Public development. Girona City Council.  
Studio carried out in parallel to planning urban  
planning and as support for the design of a  
new urban space environmentally sustainable.  
Environmental advice in the Planning.  
Planning area: 243,852 m<sup>2</sup> | GroundPublic: 146,311  
m<sup>2</sup> | Private Land: 97540 m<sup>2</sup>.

## SPECIAL INTERIOR URBAN IMPROVEMENT PLAN OF THE MANZANA. Pau Claris -Paseo DE GRACIA ". BARCELONA. 1995

Private development.  
Planning and project for the recovery of an interior of  
block based on the rehabilitation of Modernist industrial  
heritage of the area performance.  
Planning, urbanization projectand building project.  
Planning area: 2,000 m



## SPECIAL PLAN PLANTADA. BARCELONA. 1995

Private development.  
Planning located on the slopes of Collserola in a  
boundary zone between developable space and space  
undeveloped, made with special care with the landscape  
integration of new buildings.  
Built area: 18,865 m<sup>2</sup>..

# PLANNING

## PANAMÁ SPECIAL PLAN. BARCELONA. 1995

Private Work cost.  
 Planning and development of the building  
 project residential conceived from the integration of the  
 green space with the houses.  
 Planning area: 5,247 m<sup>2</sup>. Private Land: 5,000 m<sup>2</sup>. | Public  
 Land: 247 m<sup>2</sup> |  
 Roof surface: 2,000 m<sup>2</sup>



## CALA TAMARIT PARTIAL PLAN. TARRAGONA. 1988

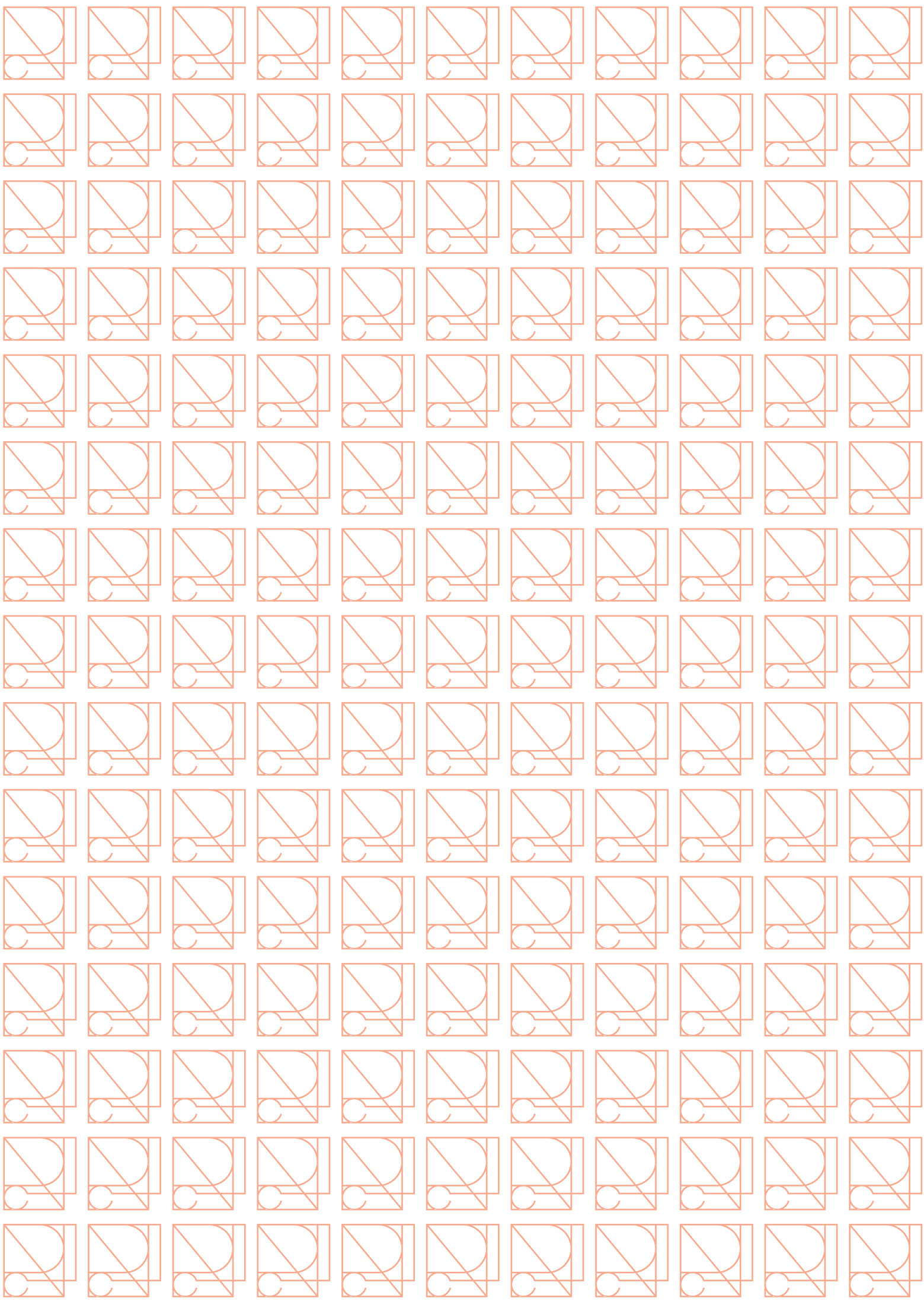
Private development.  
 Planning.  
 Planning area: 47.18 Ha.  
 Public Land: 25.48 Ha | Private Land: 21.69 Ha.  
 Residential units: 711 units max. - 15 units / ha

## CAN Baciana SABADELL. BARCELONA. 1998

Private development.  
 FINIBA, SL New planning of industrial land for the  
 adaptation of residential uses and urban space.  
 Planning: Special plan, development of urbanization  
 project. Public spaces and building project.  
 Planning area: 1.2 Ha. Built surface: 10,126 m<sup>2</sup>..









# RESEARCH PROJECTS

# RESEARCH PROJECTS

## RESEARCH, DEVELOPMENT AND INNOVATION PROJECTS (R + D + I)

DIRECTION-COORDINATION OF THE CHAIR OF INDUSTRIALIZED BUILDING AND THE ENVIRONMENT CEIM-ESARQ-UIC CREATED IN 2010 #ArchitectureUIC\_CEIM



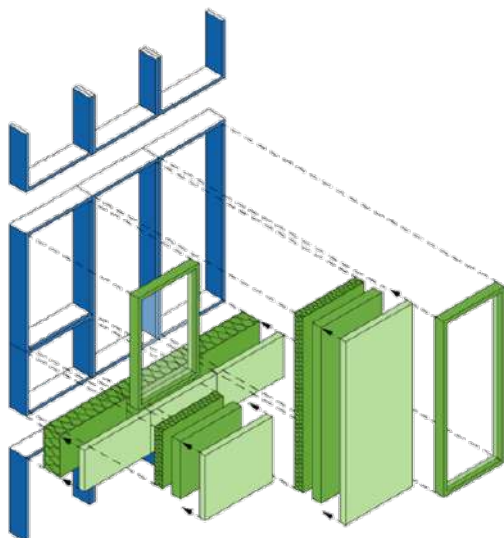
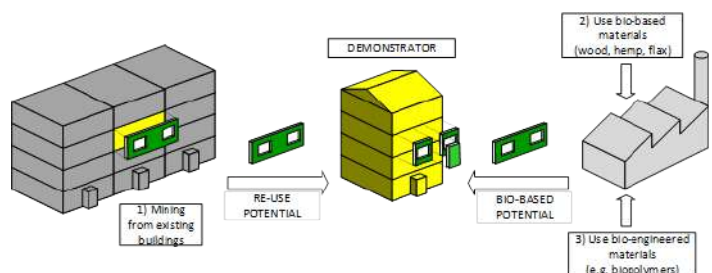
The CEIM Chair is integrated into the school of architecture of the International University of Catalonia. The CEIM was created with the aim of providing transversality and to be a unifier of the agents of the building sector; through the interaction of knowledge between companies and University. The integration of teaching, research and protection allows give a coordinated impulse to innovation and continuous improvement of architecture, building and the city

DRIVE0. European Comision. 2019-2023.  
Call H2020-LC-SC3-EE-2018

The DRIVE0 concept is based on circular development in comprehensive building renovations, with an analysis, to from modeling, from energy improvements achieved. 7 real cases are run and tested.

BarcelonaI is one of the pilot projects, led by the studio.

Budget: 3,999,500 Euros.  
Participated by 20 European teams

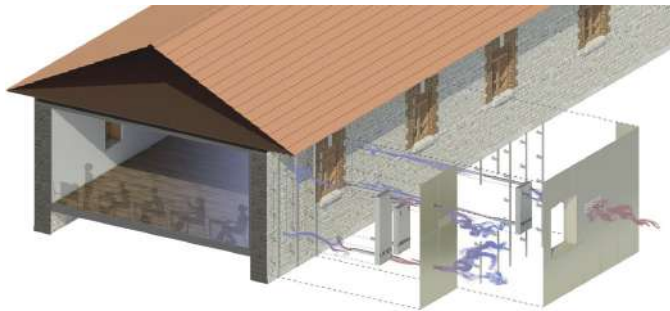


PLUG'N'HARVEST. European Comision. 2017-2021.  
Call H2020-EEB-2016-2017/H2020-EEB-2017

The main strategy of the project is to plan, develop, demonstrate and exploit a module, plug-n-play adaptable and dynamic concept / product in the envelope of buildings (ADBE), both residential and non-residential residential, with the aim of reducing the consumption of energy and produce the necessary with renewable energies, both at the building level and at the district level. Participated by 13 teams

# RESEARCH PROJECTS

## RESEARCH, DEVELOPMENT AND INNOVATION PROJECTS (R + D + I)



E2VENT. European Commission. 2015-2019.  
Call EeB2014–Topic2–H2020.

Envelope to be implemented in rehabilitated buildings.  
E2vent is a façade system as a thermal renovation solution for multi-family buildings, with exterior cladding and air chamber. The system includes a ventilation system with heat recovery and a storage system for thermal heat  
.Budget: 3,402,790 Euros  
Participants: 30 European teams



STEP-2-SPORT. European Commission. 2014-2017  
IEE/13/586/SI2.675070. ) project.

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 Program "Intelligent Energy Europe".  
Participants: 12 partners from seven European countries.



# RESEARCH PROJECTS

## RESEARCH, DEVELOPMENT AND INNOVATION PROJECTS (R + D + I)

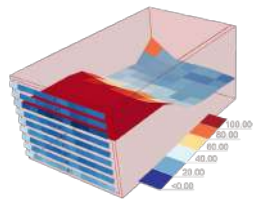
### COLLABORATION WITH INDÚSTRIA.



**EQUITONE**

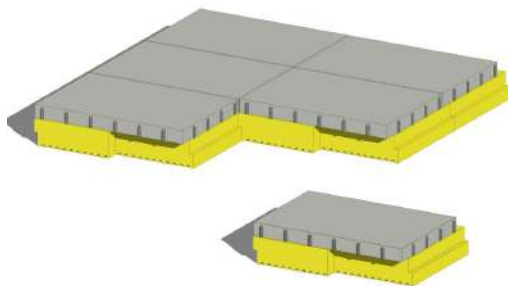
Innovation and technological development for the company international EQUITONE.

Confidential its content cannot be revealed until Project Completion.



Innovation and technological development of a pavement integral, VULCANO XPS SLAB. 2016-2019

Innovation project aimed at developing a system integrated for inverted walkable roofs, with the objective of incorporating an industrialized concept and optimize your fabrication and placement performance.



**breinco**smart



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

The innovation project aimed to develop a material, originally used for flooring, for façade, with the incorporation of new compositional formats and the integration of new architectural and technological solution

**breinco**smart



# RESEARCH PROJECTS

## RESEARCH, DEVELOPMENT AND INNOVATION PROJECTS (R + D + I)

HOLISTEEC. HOLISTIC AND OPTIMIZED LIFE-CYCLE  
INTEGRATED SUPPORT FOR ENERGY-EFFICIENT BUILDING  
DESIGN AND CONSTRUCTION (HOLISTEEC) . 2013-2017  
Topic nr. and spec.: Horizon 2020, FP7-2013-NMP-ENV-EeB

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

Responsibility of the firm: demonstration of the tools of the  
Holisteeec platform in the design of the Kosk project in Turkey.



SCHOLARSHIP . BALANCED EUROPEAN CONSERVATION  
APPROACH. EUROPEAN COMMISSION. 2011-2013  
Topic nr. and spec.: Horizon 2020, CIP-ICT-PSP-2010-4- 270981

BECA is a pilot project in which the consumption behavior energy  
of the user according to his level of information. 50% of users  
have access to ICTs.

Responsibility of the office: Development of the project cluster  
in Manresa, in collaboration with CIMNE Technological Center  
to a promotion of assemblies of Forum-Manresa. Testing of  
monitored results.



DIRECTOR PLAN FOR ENVIRONMENTAL IMPROVEMENT  
AND ENERGY OF AN APPLE OF THE ENSANCHE. 2016

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



MIND. EUROPEAN COMMISSION. 2016-2019  
Topic nr. and espec.: Horizon 2020, Marie Skłodowska-  
Curie grant agreement No 69100.

The aim of the project is to involve people with dementia in the  
social context and improve your well-being psychosociological.  
The design is able to offer to solve new to complement existing  
practices of the treatment and facilitate people's social situations  
with dementia.

Function of the office: designing tools to improve the lives of  
these people .

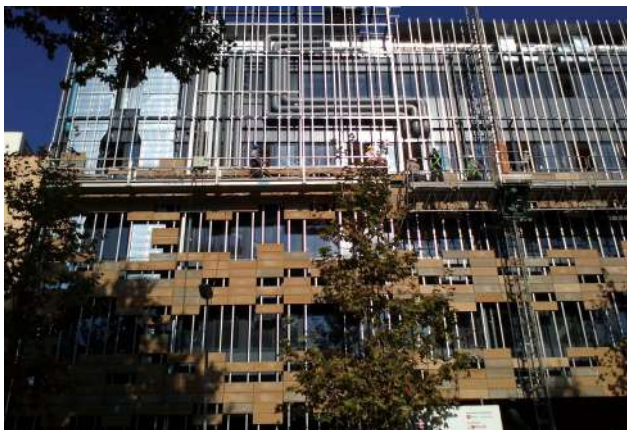


# RESEARCH PROJECTS

## RESEARCH, DEVELOPMENT AND INNOVATION PROJECTS (R + D + I)

### AXIS OF SUSTAINABILITY FOR THE CONSTRUMAT FAIR .EDITIONS 2011-2013-2015

Construmat Fair of Barcelona.  
Coordination of the conferences and the exhibition space  
of the sustainability axis of the Construmat Fair (Beyond



### INNOVATION AND DEVELOPMENT PROCESS TECHNOLOGY OF THE ENVELOPE SYSTEM VENT-SCREEN 2010-2012

Breinco Industry.  
Ventilated facade innovation project for offer new  
features, new possibilities compositional and component  
integration architectural and technological

### COLLABORATION OF THE EUROPEAN PROJECT "APPLEGREEN " . URBAN ENVIRONMENT OBSERVATORY MÁLAGA CITY COUNCIL + UPM 2010-2011

Urban Environment Observatory (OMAU).  
Malaga's town hall.  
Program and Chair.

Advice on the development of urban planning and the  
incorporation of sustainability indicators for the creation of a



# RESEARCH PROJECTS

## RESEARCH, DEVELOPMENT AND INNOVATION PROJECTS (R + D + I)



"GUÍA PARA EL DESARROLLO SOSTENIBLE DE LOS PROYECTOS DE URBANIZACIÓN". 2009-2010

Sprilur Group.  
Guide for urbanization projects under criteria of sustainability for the municipal company Sprilur.

DEVELOPMENT PROJECT OF THE esgraffito WITH LOW RELIEF FOR PANELS FOR ARCHITECTURAL CONCRETE FACADE. 2008-2010

Escofet Industry.  
Technical and conceptual development of process for bas-reliefs.  
Reinterpretation and updating of traditional sgraffito on



PIECE "Photovoltaic Street Light". 1886. 2008-2010

Escofet Industry.  
Design and technological development of a piece of urban luminaire with high energy efficiency and powered

PROJECT OF DEVELOPMENT OF PANNELS DE CIERRE. 2008-2009

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



# RESEARCH PROJECTS

## INNOVATION PROJECTS USING THE INDUSTRY



VENTILATED CONCRETE FACADE.  
PLANASARK ARCHITECTURAL PANEL  
2008-2009

Industry "Flat Prefabricats". Development of a facade panel precast integral concrete that generates a ventilated facade system.

BARCELONA HOUSE PROJECT- CONSTRUMAT.  
2009

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

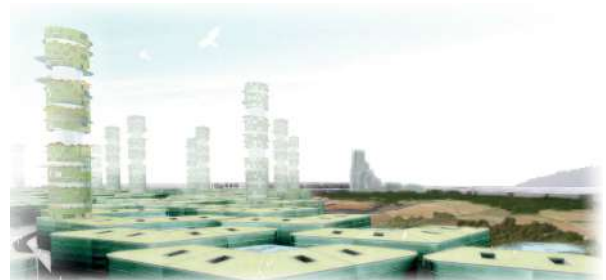


PROTOTYPE PROJECT "PUNT VERD".  
BARCELONA CITY COUNCIL. 2009

Barcelona's town hall. Agency of the Barcelona energy. Reference centers proposal. Pedagogical and communication project. Architectural project, work, information and awareness of urban recycling. Prototype in

SELF-SUFFICIENT NEIGHBORHOOD PROJECT BY  
THE CITY OF BARCELONA. 2008-2009

A work for the development of a self-sufficient neighborhood to analyze the problem related to density, the mix of uses, social inclusion, health, integration of agricultural activity, the production of energy, water, waste, mobility. Multidisciplinary group of 15 experts (architects, civil engineers, biologists, physicists, doctors).





# RESEARCH PROJECTS

## INNOVATION PROJECTS USING THE INDUSTRY

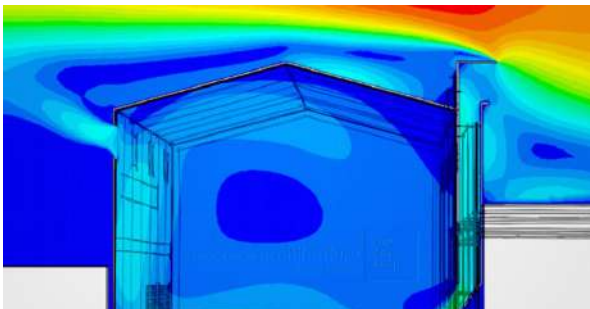
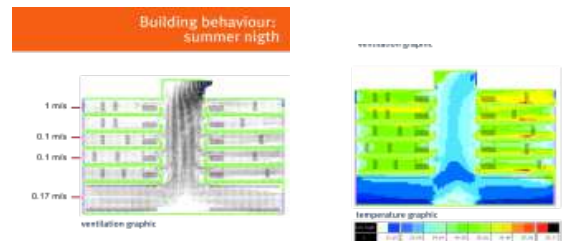


### BIOCLIMATIC AND DEGREE CRITERIASUSTAINABILITY. HISTORICAL HELMET OFTOLEDO. TOLEDO CONSORTIUM. 2006-2009

Toledo Consortium. Carrying out a studio on the criteria bioclimatic and sustainability by El Casco Historic of Toledo. Toledo Consortium.

### " ALTENER " PROJECT OF THE EUROPEAN COMMISSION. 1999-2001

European Project V Framework Program, Altener. In collaboration with the Cerdà Institute (Department of Energy and Environment). Environmentally conscious design and energy alternatives to housing. European partners: 10. Responsibility of the firm: simulation and project in two residential buildings. Homes of private promotion in the Eixample of Barcelona. Public promotion housing in Alguazar-Murcia



### "STEDI" PROJECT OF THE EUROPEAN COMMISSION. 2002-2003

European Project V Framework Program-ICT. Create new computer analysis tools, testing and calculation of bioclimatic behavior of buildings in architecture projects. European partners: 5

### INDUSTRIALIZED MODULES PROJECT - HEAVY. 1999-2009

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

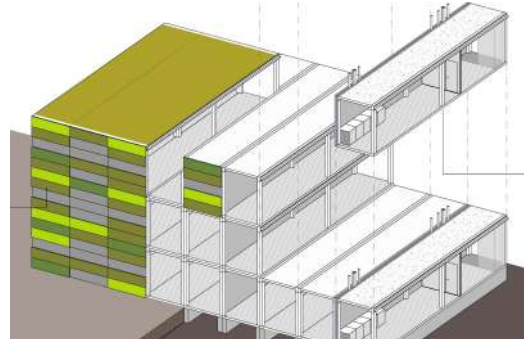


# RESEARCH PROJECTS

## INNOVATION PROJECTS USING THE INDUSTRY

### LIGHTWEIGHT INDUSTRIALIZED MODULES PROJECT FOR HOUSING. 2008

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



The light weight modules (PVC) can be distributed and installed in all

### PROJECT PROFIT. PVTBUILDING. 2007-2008

Ministry of Education and Science.  
Development and characterization of roofs and ventilated  
facades with photovoltaic systems integrated into  
buildings. [www.cimne.com](http://www.cimne.com) / [pvtbuilding.com](http://pvtbuilding.com).

### BECA VISESA II. 2007-2008

VISESA municipal housing society.  
Research grant for analysis and comparison  
terms, prices, environmental benefits and working  
conditions in an industrialized construction site



### PREFABRICATED STRUCTURES OF CONCRETE 2007

Norten PH Industry.  
Research from the application and proposals  
improvement in collaborative industrialization with  
the precast concrete company Basque Nortenh



# RESEARCH PROJECTS

## INNOVATION PROJECTS USING THE INDUSTRY

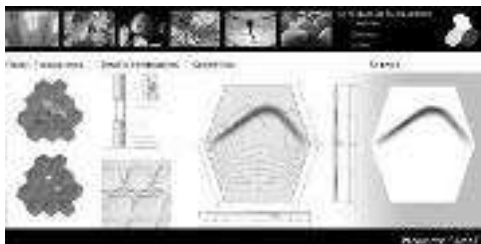


### GREEN FACADE. 2005-2008

Weather Industry.  
2008-2009 Research development and realization of a prototype with WeatheringSpanish "Green Facade". 2008 Projectmonitoring.2005 Project "Green Facade-house Barcelona-Construmat.

### CONCRETE PANEL INVESTIGATION - ARCHITECTURAL ESGRAFIED 1999-2006

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



### "AZAL". ELEMENT FOR VENTILATED FACADE-POLYMER CONCRETE. 2006

Ulma Industry.  
Development of a Polymer concrete piece.  
The work focuses on geometric analysis and spatial, allowing to create pieces of covering that adapt to space and elements structural organically and

### INVESTIGACIÓN SISTEMAS DE VENTILACIÓN NATURAL. 2006

Aeraspirators Industry.  
Analysis and development of natural ventilation allowing ventilation crossed in housing typologies.

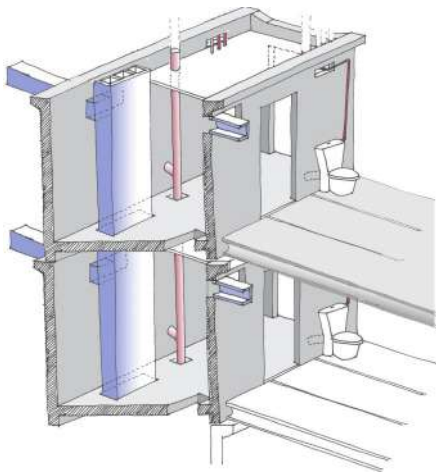


# RESEARCH PROJECTS

## INNOVATION PROJECTS USING THE INDUSTRY

### PROJECT "TORRE-JARDÍ". 2005

The Torre Jardín project seeks to build a natural territory, technically reproducing its properties, in the center of the city, with the aim to provide urban comfort and improve



### " BIOCELL " PROJECT OF THE EUROPEAN COMMISSION 2003-2006

DGTRI European Project.

Development of industrialized cells (heavy and light) of high energy efficiency housing, with systems integrated facilities.

### RESEARCH PROJECT "LA TECNOLOGÍA DE LA CERÁMICA". 2000-2001

In coordination with the industry: Cerámicas del Ter Group TERREAL. SAINT GOBAIN.

New applications of ceramic technology.

Pilot project: single-family house in Collserola,

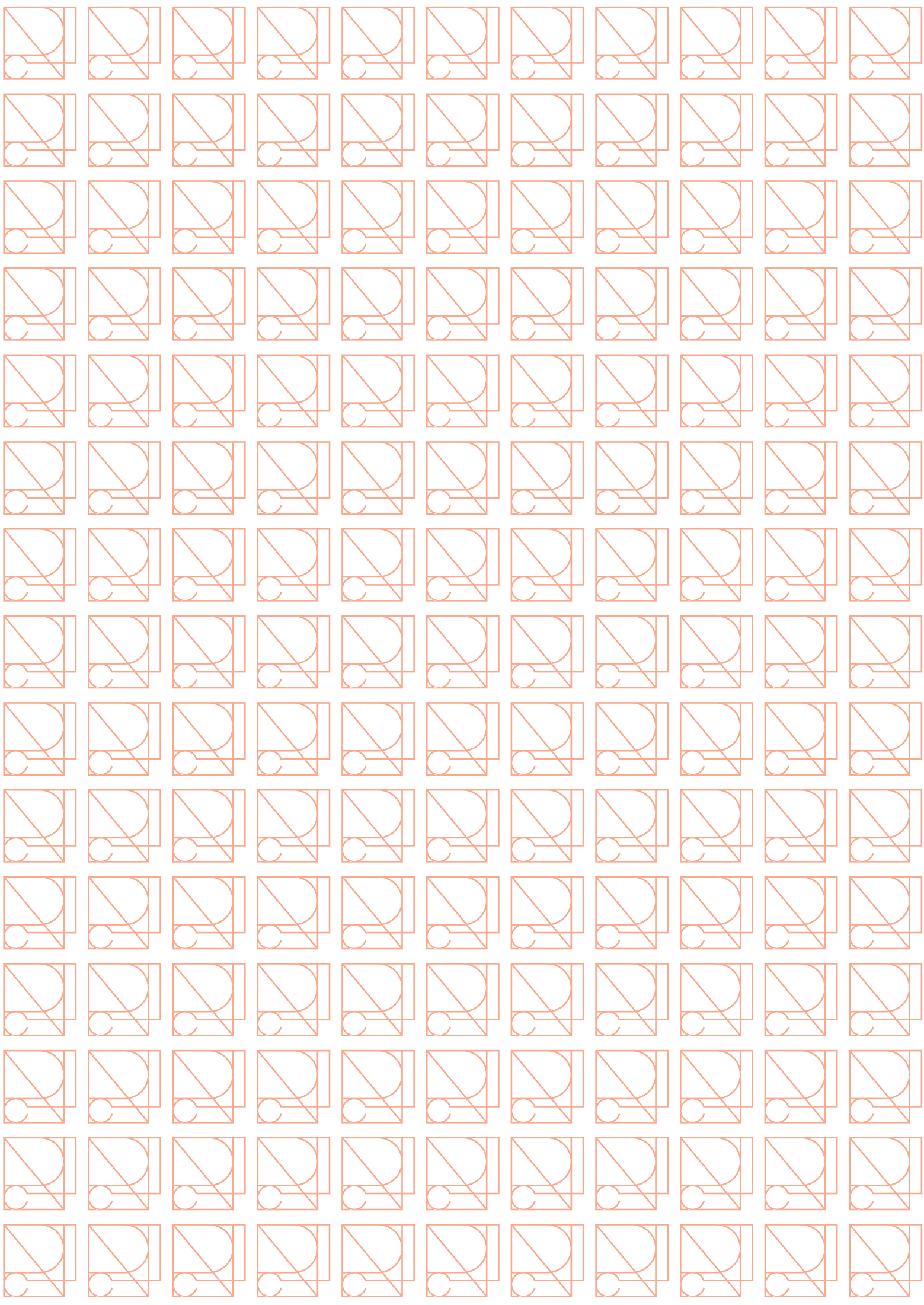


### PROYECTO DE INVESTIGACIÓN "SLOPE: REMAKING THE LANDSCAPE". 2001

Escofet Industry.

Elements of urban furniture designed to influence the urban landscape through its different aggregation





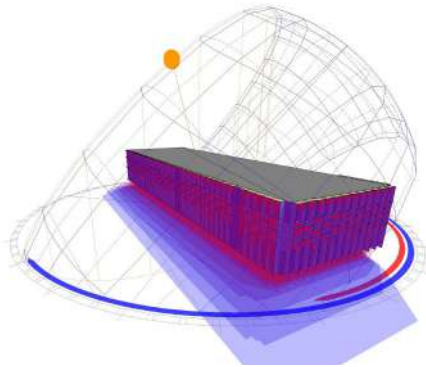
**PICHENERGY**



# ENERGY PROJECTS

## RESEARCH INSTITUTE OF SANT PAU HOSPITAL - 2018

Public buildings building, offices and medical laboratories. In this building achieves the highest LEED PLATINUM score with a price of construction of € 1,250 / m<sup>2</sup>. An emblematic case in which the LEED seal it, does not always involve large Work costs. LEED -Leadership in Energy and Environmental Design- is the most used environmental certification tool to the world, certifies the environmental impact throughout the life cycle of a building



## GONSI - SOCRATE'S BUILDING - 2018

Polifunctional Building in Viladecans, the facade has been studied in function of the best natural lighting and solar control. Analysis of the energy behavior of the building and application of climatic principles in a perimetric way, through tools of computer calculations that allow us to translate climate information into concrete construction solutions, optimizing costs and benefits

## ENERGY ANALYSIS, IMPROVEMENT PROPOSALS AND STUDIO OF ECONOMIC AMORTIZATION OF THE CONSISTORIAL HOUSE OF NAVARCLES - 2018

Interventions aimed at improving user comfort with optimal solutions in terms of quality and price. The possibility of reducing the energy consumption of 70% in a heritage-protected building



**Diputació  
Barcelona**



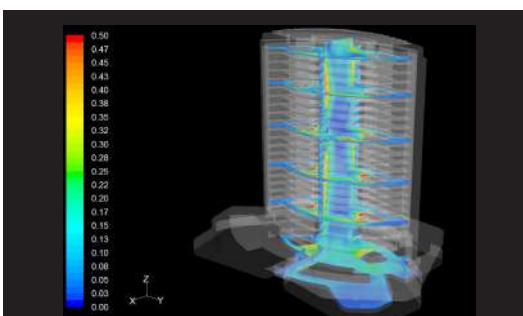
## CATALÁN PAVILION FOR COUNCIL OF SPORTS - 2018

Rehabilitation proposal in view of the future scenario of the buildings with almost zero energy. The first building in Spain to apply the certification system of sports facilities with swimming pool



## HOSPITAL OF REUS

Hospital building in Reus, Tarragona. In this building all the main space is designed according to the passive regulation of the weather. The energy studio has made it possible to optimally calibrate the geometry of space so that it would respond in the best way to its functional and aesthetic requirements



## HOTEL BLUE HORIZON - YANTAI

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

# ENERGY PROJECTS



## 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 for users



## NEINOR ALSAMORA

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



## NZEB ENERGY REFORM Studio - EXISTING BUILDING OF THE CITY COUNCIL OF NAVARCLES - 2017

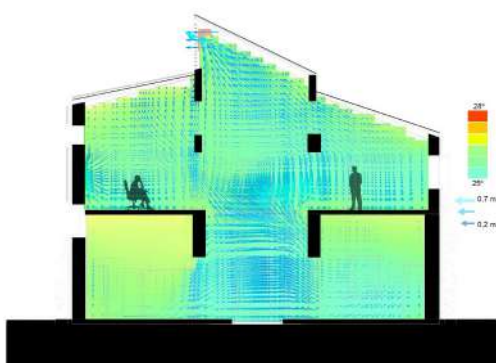
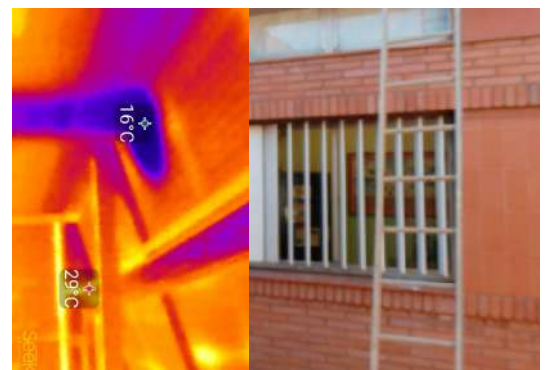
Monitoring, energy analysis, improvement proposals and studio of economic amortizations. Solutions to improve the comfort of the user. The possibility of reducing the energy consumption of the 70% in a heritage-protected building.



Diputació  
Barcelona

## AUDITORIUM + BASIC PROJECT FOR THE NZEB REFORM FROM THE ANGEL GUIMERÀ SCHOOL OF PALLEJA - 2017

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



## CONTEST - 2018 | CLIMATE COMFORT

The first objective of building is to guarantee the best comfort for the users. Energy efficiency depends on the level of comfort that can be naturally secure in the spaces. Dynamic energy simulations make it possible to compare the energy performance of buildings with the comfort level of the users. With the use of advanced software you can analyze the energy performance of new and existing construction projects. This allows defining the best solutions and quantifying the time to amortization of the proposed interventions



# ENERGY PROJECTS

## Buildings BUILDING - LEITAT - 2016

Research center and office building of the LEITAT foundation. GREEN Certificate 4 Sheets. Building based on the maximum development of local technology applied to construction.



## ENERGY AUDIT OF AN OFFICE BUILDING. 2009

Carrying out an energy studio of an industrial building located in Avenida

## ENERGY CERTIFICATION OF AN OFFICE BUILDING. 2009

Realization of an energy certificate of a located industrial building in Puente



## PERFORMANCE OF AUDITS AND CERTIFICATIONS ENERGY FOR THE DISTRICT OF SANT MARTÍ. 2008

Tutoring the work of the auxiliary technicians to do energy certifications and audits contracted by the district of Sant Martí. In total, 6 audits and 18

## Rehabilitation: ENERGY REFURBISHMENT OF AN OFFICE BUILDING IN THE CITY OF MÁLAGA. 2007

Energy rehabilitation in office buildings (larger source consumers) should offer a wide variety of creative solutions to improve both living conditions like financial savings



## TRAINING COURSE FOR CERTIFICATION AND MONITORING ENERGY FOR THE DISTRICT OF SANT MARTÍ. 2007

Completion of a 152-hour training course for the district of Sant Martí. The course trains auxiliary technicians to do energy certifications and audits.

# ENERGY PROJECTS



## SOCIAL HOUSING BUILDING IN MANRESA, ENERGY MONITORING AND AUDIT. 2011-2013

- Monitoring and audits of building consumption, energy advice and consulting.
- Research project (Balanced European Conservation Approach)

## MONITORING A BUILDING IN THE CASCO ANTIGUO DE TOLEDO. 2013

The target is an existing residential building in the old part of the city from Toledo, where a few years ago Islamic baths were discovered. House energy performance

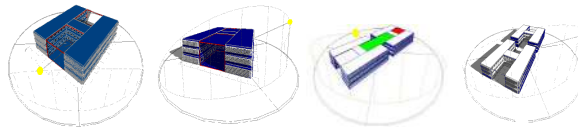


## "POMARET" LIVING MONITORING IN BARCELONA, COLLSEROLA. 2012 - PRESENT

New buildings with minimal energy consumption. All the data from the remote management and control system are stored in an Internet portal. A monthly report will be made where there would be detail the consumption and general data of the dwellings

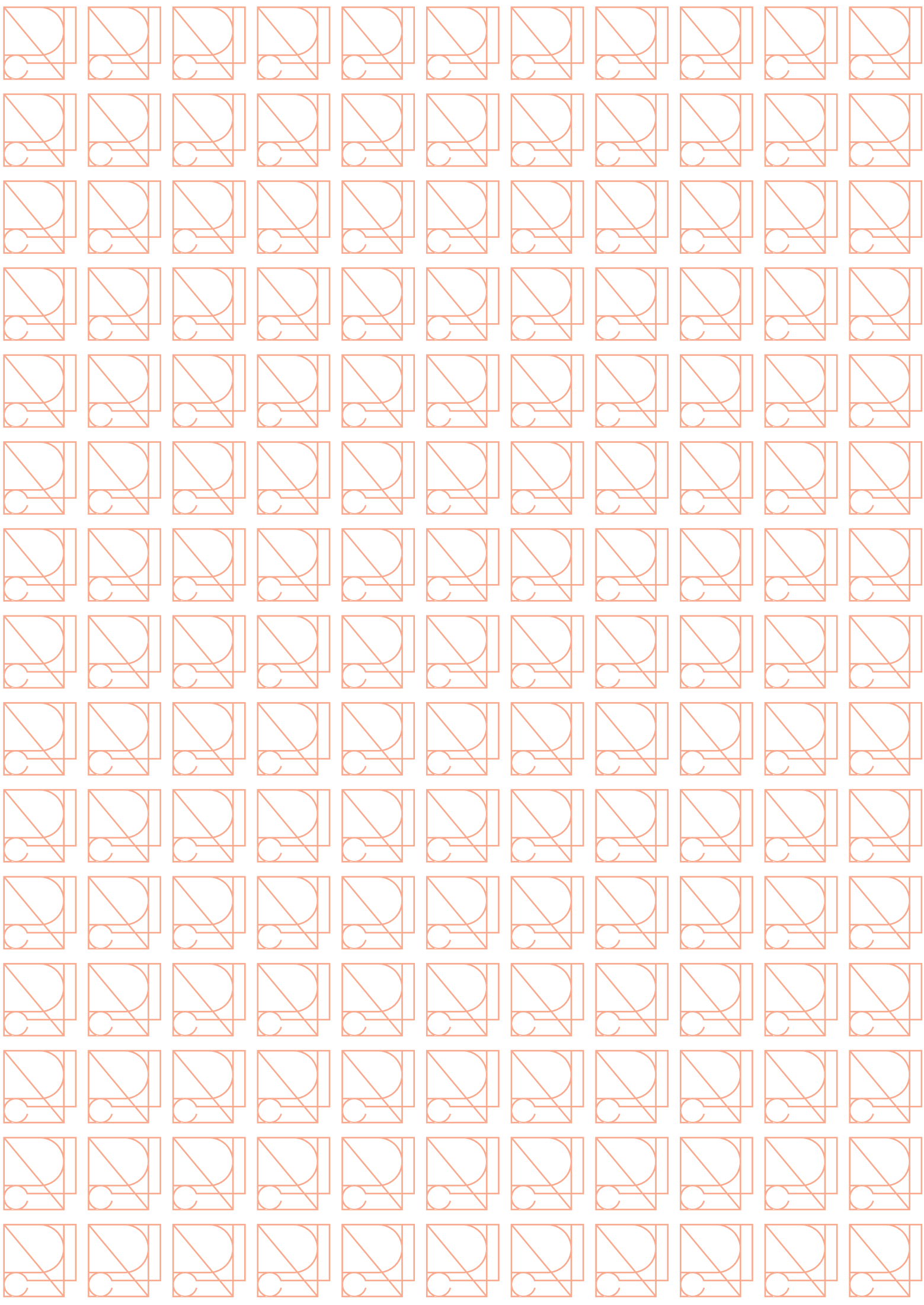
## ENERGY REHABILITATION AND MONITORING OF THE CENTER TECNOLÓGICO AGROALIMENTARIO GARDENY, LLEIDA. 2012

Energy and environmental certifications and renovations of existing buildings



## ENERGY AUDIT OF MULTI-FAMILY BUILDING IN PLAZA URQUINAONA. 2010

Performance of the energy audit of a multi-family building located in the Urquinaona square.





**AWARDS,  
PUBLICATIONS,  
ACTIVITIES,  
MASTERS TEACHINGS,  
POSTGRADUATES**

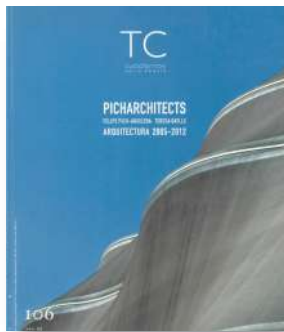
# AWARDS

# AWARDS

- 2020  
**XVIII Ceramic Awards. Architect First Prize** by the Research Center at the Hospital de la Santa Creu and Sant Pau.
- 2018  
**Award for innovation and research** in concrete, awarded by the Eduardo Torroja Foundation. "Climate Project Concrete".
- 2017  
Sustainable construction awards of Castilla y León. **1st prize** State award to the building for tertiary use by the "Centro-technological Leitat".
- 2016  
Build Awards 2016, Industrial Buildings.
- 2015  
**Second prize** International "CEMEX" Award for Sustainability through the center "San Bernabé" Monterrey, Mexico.  
**First prize** International Award "CEMEX" for the best building of social services by the center "San Bernabé" Monterrey, Mexico.  
**Finalists** "Catalunya Construcció" amb l'ampliació de les "Teresianes-Ganduxer".  
**Second Prize** to the Work of the year with the category of urban planning for the building "Centro civico a Bernabé"  
**Award** for the housing work in Rennes for the "Sample International of Catalan Architecture" organized by the College of Architects of Catalonia (COAC).
- 2014  
**First Prize** in the competition on innovation and industry-Sustainable development "3ème Millénaire" from Habitat Toulouse. France.
- 2011  
**First European Prize** for Sustainable Construction called by the Ministry of Public Works from the Community of Castilla y León to the best work towards sustainability by the "Parque Científico Tecnológico Agroalim-Mentario of the City of Lleida".
- 2010  
IV call for "Nan Awards". **First Prize** to "Better integration of energy in architecture", by the Sant Joan de Reus Hospital.  
**First Prize "Aplus"** for Sustainable Architecture for the "Gardeny Agrifood Scientific Technological Center".
- 2009  
**First Prize** for the most innovative rehabilitation work for the work "Parque Científico Tecnológico Agroalim-Mentario of the City of Lleida. "Catalonia Construction". Team in the "Silver Fish Project-BWM initiative". Selection of the most innovative initiatives in the city from Barcelona. Jury formed by the City Council of Barcelona.
- 2008  
**First Prize** "Endesa Awards" for the best Promotion Sustainable Housing. Promotion "Kyoto Houses". Private promoter PMP.
- 2007  
**Special mention** "Endesa Awards for the promotion of immo-more sustainable biliary treatment / BMP'07" for Industrial Buildings-the "Puente Reixac" in Sant Just Desvern.
- 2006  
**Prize for the professional trajectory of protection** and improvement of the Environment in Sustainability for the building. Environment Award from the Ministry of the Environment. Environment and Housing of the Generalitat de Catalunya. **First Prize for Sustainable Architecture** "Call Center de Facilities II. Toledo. Civitas Nova Forum. Award of Housing and Urban Development in Castilla-La Mancha.
- 2005  
Presentation and **National Award** at the Tokyo Congress for the work submitted to the Green Building Challenge "Edificio Pau Claris".  
**Second Prize** "Sgraffito façade of architectural in Pau Claris" at the "Catalonia Construction", organized by the College of rigging-res and technical architects of Catalonia.
- 2004  
**National selection** of significant works respectful of the "Energy Consumption and the Environment" "Green Building Challenge", by the Ministry of Development and the Superior Council of the Colleges of Architects of Spain.
- 2003  
**First Prize** for the preliminary project of the Visitor Center and research center "Centro Cousteau-Planeta Ocean". Cousteau Foundation-Sant Feliu Town Hall by Guixols. Girona. Spain.
- 2002  
**First Prize** in the "ideas competition for the incorporation of new systems and technologies to project the construction of houses" in the Section of Foundation and Structure. Policy Department Award Territorial and Public Works of the Government of Catalonia. Spain.
- 2000  
**Award for constructive innovation** for housing "Casa Teresa" in Barcelona, from the FIRA of construction BAU. Munich. Germany.
- 1996  
**Award and exhibition** for the single-family house "Casa Pencho" of the work carried out in the National Selection of Young Architects of Spain, from the "Antonio Camuñas Foundation". Spain. Honorable Mention of the European Housing Competition EUROPAN IV. Helsinki. Finland.
- 1991  
**Mention** in the "Construmat Awards" (Awards for innovation with affordable cost for the "Residential building in Passeig Sant Gervasi, Barcelona".)

# **PUBLICATIONS**

# MAGAZINE PUBLICATIONS



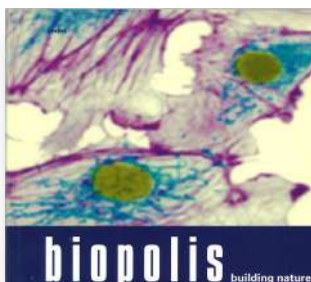
"TC CUADERNOS N° 106 "  
· PICHARCHITECTS ·  
Felipe Pich-Aguilera. Teresa Batlle.  
Architecture 2005- 2012.  
Monográfico Pich-Aguilera /  
PichArchitects.  
Publicado el 2012.



"CON LA REALIDAD"  
EQUIP ARCHITECTURE PICH-AGUILERA  
Felip Pich-Aguilera. Teresa Batlle.  
Publication de las principales obras de los  
últimos 10 años. Editorial Actar.  
Publicado en 2008.



"ARCHITECTURE INDUSTRIALIZADA,  
UNA RESPUESTA REAL"  
Publication-reflexión obra industrializa-  
da en hormigón. Viviendas El Polvorín y  
Escuela Sant Cugat. Editorial Actar.  
Publicado en 2006.



"BIÓPOLIS, BUILDING NATURE.  
PICH-AGUILERA, ARCHITECTS"

Publication de la Galería  
Aedes de proyecto y obra  
raíz de la exposición realizada.  
Publicado en 2003.



"OTROS TERRITORIOS. UNA NUEVA CORTEZA"  
Publication-reflexión sobre cubiertas aljibe  
ecológicas, aplicación a una Vivienda en  
Collserola. Editorial Actar.  
Publicado en 2002.



"LA ARCILLA TECNOLÓGICA,  
NUEVO ORIGEN PARA LA  
ARCHITECTURE CONTEMPORÀNEA"  
Publication-reflexión sobre las nuevas  
aplicaciones de los elementos  
cerámicos, aplicación en una vivienda en  
Collserola. Editorial Actar.  
Publicado en 2001.



"LA PIEL DE CERRAMIENTO PARA  
UNA VIVIENDA CONTEMPORÀNEA,  
Nuevas posibilidades proyectuales,  
constructivas y de calidad en las fachadas de viviendas"  
Publication reflexión sobre fachadas de hormigón  
arquitectónico. Editorial Actar.  
Publicado en 1999.



# PUBLICATIONS

## MAIN DIGITAL PUBLICATIONS

**Blog** [www.picharchitects.com/blog/](http://www.picharchitects.com/blog/)

**Facebook** [www.facebook.com/Picharchitects](http://www.facebook.com/Picharchitects)

**Twitter** [www.twitter.com/PICHarchitects](http://www.twitter.com/PICHarchitects)

**Linkedin** [www.linkedin.com/company/picharchitects-pich-aguilera/](http://www.linkedin.com/company/picharchitects-pich-aguilera/)

**Metalocus** [www.metalocus.es](http://www.metalocus.es)

**Architizer** [www.architizer.com](http://www.architizer.com)

**Archilovers** [www.archilovers.com](http://www.archilovers.com)

**Archello** [www.archello.com](http://www.archello.com)

**Hic** [www.hic.com](http://www.hic.com)

**A vivre editions** [www.avivreeditions.com](http://www.avivreeditions.com)

**Architopik** [www.architopik.com](http://www.architopik.com)

**aRoots** [www.aroots.com](http://www.aroots.com)

**Tectónica blog** [www.tectonicablog.com](http://www.tectonicablog.com)

**Arch2O magazine** [www.arch2o.com](http://www.arch2o.com)

**AECCAFE** [www10.aeccafe.com](http://www10.aeccafe.com)

**Via construcción** [www.viaconstruccion.com](http://www.viaconstruccion.com)

**Plazatio** [www.plazatio.com](http://www.plazatio.com)

**World Architects** [www.world-architects.com](http://www.world-architects.com)

**Baunetz** [www.baunetz.de](http://www.baunetz.de)

# PAPER PUBLICATIONS

2019

**ARQCO 2019\_2019/02** Interempresas media - Sant Pau building.

**CIC ARCHITECTURE Y SOSTENIBILIDAD** with the article of Jordi Paris: sustainability as opportunity.

**CONARCHITECTURE APRIL 2019.** Sant Pau Building + a special involvement of Sant Pau-

**FORMA ON THE ROAD.** Architecture guide of Barcelona - pere IV + santa madrona.

IECA manual for the application of thermal inertia - Leitat.

**NAN CONSTRUCCION. APRIL 2019** - Sant Pau.

**PROMATERIALES. MAY 2019** - Sant Pau.

**48H OPEN HOUSE. OCTOBER 2019** - Sant Pau.

**TC CUADERNOS** "Freehand works"

Posted a long Article and sketches of Felipe.

**LA VANGUARDIA.** Article Ilatzer moix de Sant Pau + MIPIM Sant Pau award.

**ARCHITECTURE VIVA.** Monography - Sant Pau.

**BARCELONA REGIONAL. IDEAS** developed work IN TORRENT ESTADELLA of Barcelona

2018

**3RD ECONOMY AND BUSINESS CONGRESS OFCATALONIA "TOWARDS AN EFFICIENT MODELAND FAIR. THE ENVIRONMENT IN THEPRESENT AND IN THE FUTURE "** with the article "EINZEB building, the new architectural model that consumes zero: the picharchitects experience ".Edited by the Col.legi d'Economistes de Catalunya.

**"INTERNATIONAL CONFERENCE ONCONSTRUCTION RESEARCH "** with the article and award "Climate Concrete - Prefabricated solutionfor bioclimatic façade design ". Edited by theEduardo Torroja Institute.

**"LA CELLERA - WORKING AND REFLECTION GROUP PEDAGÓGICA "** number 6" Reflections on the school architecture and the pedagogical project ".

**"HOTELS AND PLACES OF REST"** Editorial"ArquiTK-México". Publish the Aparthotel "Akosuites"in Barcelona

2017

**URBAN PRACTICE Nº145 SUSTAINABLE BUILDING.** Environmental architecture article in "Spain Hoy".

**CONSTRUCTION REPORTS.** Article "Concepción

y realización de celosías cerámicas, una evolución constructiva".

**GENERALITAT DE CATALUNYA:**

**COLLECTIONPRACTICAL NOTEBOOK Nº11.** Direction and developmentof the Guide Buildings with almost zero energy consumption.

**ARQUITK Nº 102 ARCHITECTURE FOR HEALTH.**Reus Hospital and Leitat Technological Center.

**INNOVA APC16.** Self-supporting roof Civic Center"Joan Oliver-Pere Quart".

**ARQ & S MEXICO Nº5.** Leitat Technological Center.

**STRELKA RUSSIA MAGAZINE.** Santa Madrona and Gavà homes.

2016

**ARQUITK No. 97 .** Leitat Technological Center.

**PROMATERIALS .** Paideia special school, CanCanal-Cabrera de Mar, Les Corts Civic Center, AuraInsurance-Office Building, Technology CenterLeitat, and reform Sedatex.

**CONARCHITECTURA :** 2016 Yearbook - Les Corts Civic Center.

**CEMEX WORKS AWARD:** Community Macrocenter Saint Barnabas.ARQ & S Nº 4. San Bernabé Community Macrocenter.

**LIVING ARCHITECTURE Nº 156.** Josep Guinovart School.

**FUTURE HABITAT .** New Hospital Sant Joan de Reus.

**HI-DESIGN, KINDERGARTEN ARCHITECTURE.** CEIPJosep Guinovart.

**CERCHA .** Magical.

**FACADES IN CELOSÍA.** Teresa House.

**CONARCHITECTURE No. 48 .** Pomaret House.

**HI-DESIGN , XINA.** "Sustainable & green building"Sant Joan de Reus Hospital.

**ARQUITK .** Sant Joan de Reus Hospital

# PAPER PUBLICATIONS

2012

**"EL LLIBRE VIU 22@"** Publication edited by the association 22@ Network, Barcelona, Spain.

**ACT.** Guía de Barcelona. Editorial Actar. Spain.

**PROMATERIALS.** Studio guide of Architecture 2012. Editorial Protiendas, Spain.

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

**ICAEN.** Article "Cultura Energética".

**FUTURE.** Advanced neighborhood of Toledo.

2011

**"TOWARDS A SUSTAINABLE HOUSING"** Author: Manel Gause. Generalitat de Catalunya / Advisory Council for sustainable development.

**ON DESIGN. "ARCHITECTURE HOSPITALÀRIA"**. Reus Hospital.

**PUBLICATION OF THE CITY COUNCIL OF BARCELONA**, "Fort Pienc School" and "Les Casernes".

**FERIA CONSTRUMAT** publishes all activities by Pich-Aguilera and EIG. "HABITAT FUTURA", rehabilitation "Gardeny PCi TAL

2010

**"3rd EXHIBITION OF ARCHITECTURE OF THE LANDS OF LLEIDA "**. PCi TAL-Gardeny. Magical-Gardeny.Trèvol pool.

**NATURAL GAS "EFFICIENCY StudioENERGY "**. Kyoto House and PCi TAL-Lleida.

**ARCHITECTURE OF THE BuildingsPUBLIC IN CATALONIA. 2000-2011.** Generality of Catalonia. Publication of the works more significant buildings built by the Generalitat of Catalonia. Published works: CEIP Gerbert d'Orlach, CEIP Terrassa, CEIP Eulàlia Bota.

**SUSTAINABLE BUILDING.** University ForumValencian Community. Interview with Felipe Pich-Aguilera.

**TODO HOSPITAL Nº 266** Monograph. Article "Thenew Hospital of Sant Joan de Déu, in Reus".

**DETAIL. SCHOOL CENTERS "UNA REALITATINDUSTRIAL "** publishes the work and article. "An Industrial reality: four schools, four industrial systems.

**LIVING ARCHITECTURE No. 130 "LA HORA SOLAR"**. Pci tal-Lleida.

**ON DESIGN Nº 310** "Sustainability in architecture versus sustainable architecture. " Pci tal-Lleida.

**CONSTRUCTION REPORTS No. 517.** Superior Council of Scientific Investigations. Sustainability in construction. PCi TAL-Lleida. "Revitalization of old barracks from anew climate space. Criteria for reduction of energy demand

**"ARCHITECTURE PER A LA SALUT.** 18 years of sanitary architecture. Catsalut 1991 to 2009.Reus Hospital.

**ARCHITECTURES OF THE BuildingsPUBLIC IN CATALONIA 2000-2010.** CEIP Eulalia Boot the CEIP Fort Pienc

# PAPER PUBLICATIONS

2009

**"RECYCLE AND RECONVERT TO CREATE ABIOCLIMATIC SPACE "** . PCiTAL-Lleida.

**MAGAZINE OF ARCHITECTURE, CONSTRUCTION,ENGINEERING AND Buildings.**

Social housing Vitoria-Gasteiz.

**WAYS TO PROJECT.** Kyoto House.

**CIC-CONSTRUCTION.** Special publication offices"Contemporary Corporate Architecture".

**EDITORIAL DAAB** . Call Center Toledo.

**DESIGN IN SPAIN "** . PCiTAL Lleida.P

**REFABHOUSES.** Kyoto House.

**CONCRETE PLANT + PRECAST TECHNOLOGY. BETONWERK + FERTIGTEIL-TECHNIK. GERMANYA.**

Kyoto House.GRUPO vIA "Who's who of architecture sustainable". A + Sustainable + Architecture.

**CIC-CONSTRUCTION. FUTURE HABITAT. GROUP** via. Publications in construction magazines specialized in the realization of the "CasaBarcelona". Construmat09. "Windows, doors and glazed enclosures ".

**PUBLICATION GENERALITAT DE CATALUNYA. GENERAL DIRECTORATE OF HOUSING AND ENVIRONMENT. "14KG OF CO2"** , Article "Industrialization and how it approach sustainability ".  
**TECTONICS. ENERGY (I).** 22@ office building.

2008

**CERAMIC BARKS.** Call Center Toledo.

**ARKETIPO, ARCHITECTURE, ART AND DESIGN** .Visesa. Torre de Jardines y Guardería Torressana.

**EPHEMERAL PUBLIC, CERAMIC IN THE ARCHITECTURE.** Ascer. Call Center Toledo.

**CASE A BASSO ENERGY CONSUMPTION** . Italy. House Collserola.DETAIL . Residential building in Zabalgana in Vitoria.

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

2007

**THE NEW ENVIRONMENTAL SENSITIVITY IN THE SPANISH ARCHITECTURE 2000-2007.**

**CLIP MEDIA.** Block of flats in the expansion of Barcelona.

**NEW PATENTS. NEW ARCHITECTURES IN CATALONIA.** Mediterranean Curtain Wall, building of 22 @ offices.

**SUSTAINABLE ARCHITECTURE.** Call Center Toledo.  
**THOUGHT IN BARCELONA.** Innovation, PRODUCT, SERVICES, CITY. Building of houses in the expansion of Barcelona.

**ARCHITECTURE THEME. ARCHITECTURE TERTIARY: OFFICES** 1. Toledo Call Center.

**ON DESIGN Nº 284, OFFICE BUILDINGS AND TERTIARY.** Call Center Toledo.

2006

**ARCHITECTURE AND DESIGN Nº 62.** Published work of the office in an article of "Innovative facades and effective ".

**CON ARQUITECTURA Nº 18.** Toledo Call Center. Barcelona House-Mies Van der Rohe Foundation-Construmat. "The green facade".

**ON DISEÑO Nº 274.** 22 @ office building.  
**LIVING ARCHITECTURE, GREEN LABEL No. 105.** Call Center Toledo.

**CLIMAS-CLIMATES Nº 16.** Call Center Toledo.  
**TC CUADERNOS-VALENCIA, "ARCHITECTURE SCHOOL 2"** . Ceip Ponent-Terrassa

# PAPER PUBLICATIONS

2005

Publications of the Ministry of Housing and Congress in Tokyo of the building selected as national reference: Pau Clarís. " **The 2005 World Sustainable Building. Action for Sustainability** ".Tokyo. Japan.

## **ARCHITECTURE AND LANDSCAPE NOTEBOOKS.**

Article "Nature of buildings".

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

**METALOCUS No. 017** . "Call Center Toledo" building.

## **THE REUNION WITH THE SOIL IN**

**THE CONTEMPORARY ARCHITECTURE.** "The Tower of the gardens"

2004

**DAU "ESPAI RESIDENCIAL MÍNIM" Nº 22.** Debates of Architecture and Urbanism of the Demarcation of Lleida of the College of Architects of Catalonia.

## **NOTEBOOKS, ARCHITECTURE AND URBANISM.**

Magazine of the Official College of Architects of Catalonia.Teresa House .

**TECHNIQUES & ARCHITECTURE.** Acts environnement. French magazine that publishes the bioclimatic work.

## **INTELLIGENT ARCHITEKTUR, ZEITSCHRIFT**

**FÜR ARCHITEKTUR UND TECHNIK.** Germany.Tower of Gardens.

**ELS ALTRES ARQUITECTES.** Publication of the Museum of Zoology of Barcelona root of its exhibition 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

**FROM ARCHITECT.** The Netherlands. Publish of a bioclimatic work

2001

**METALOCUS Nº6 / 7.** Casa Teresa and preliminary draft of the town of Orly.

## **LIVING THE NEIGHBORHOODS.** New

Programs Replacement Housing for the Improvement of Urban Areas of Catalonia. El Polvorín Building.

**ON DESIGN Nº22.** Publish the work Casa Teresa in the Saloni Awards. Barcelona.

**INTERIOR DESIGN** . Teresa House

1999

## **ARCHITECTURE AND URBAN PLANNING**

**NOTEBOOKS Nº221.** The state of the question. Article "The housing problem, a pending issue "together with the work Can Baciana.

**EXPORTABLE ARCHITECTURE OFFERS SPANISH.** Work published on

**CD-ROM.** Edition of Higher Council of Architects and the ICEX



# PAPER PUBLICATIONS

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 REGIONS**

**OF GIRONA.** Publication of the College of Architects

1996

**PUBLICATION OF THE "ANTONIO CAMUÑAS",** publishes the selected work in the National Prize for Young Architects. Single-family house "Casa Pencho".

**PUBLICATION OF THE UIA-CHICAGO "LOS CATALANES IN ALL THE WORLD",** publishes a work in Quito -Ecuador. Publication of the Generalitat of Catalonia and the College of Architects of Catalonia.

**MAGAZINE OF THE SUPERIOR COUNCIL**

**OF ARCHITECTS OF SPAIN** Publish mention Honorary Contest of Housing in Helsinki Finland.

**CONVERSATIONS.** Publication of the School of Architecture of Porto with the work of the office. Girona city architecture guide, includes Single-family house "La Devesa"

1990

**ARCHITECTURE.** Portugal. Apartment building in the monograph dedicated to Spain "The generation of the 80"

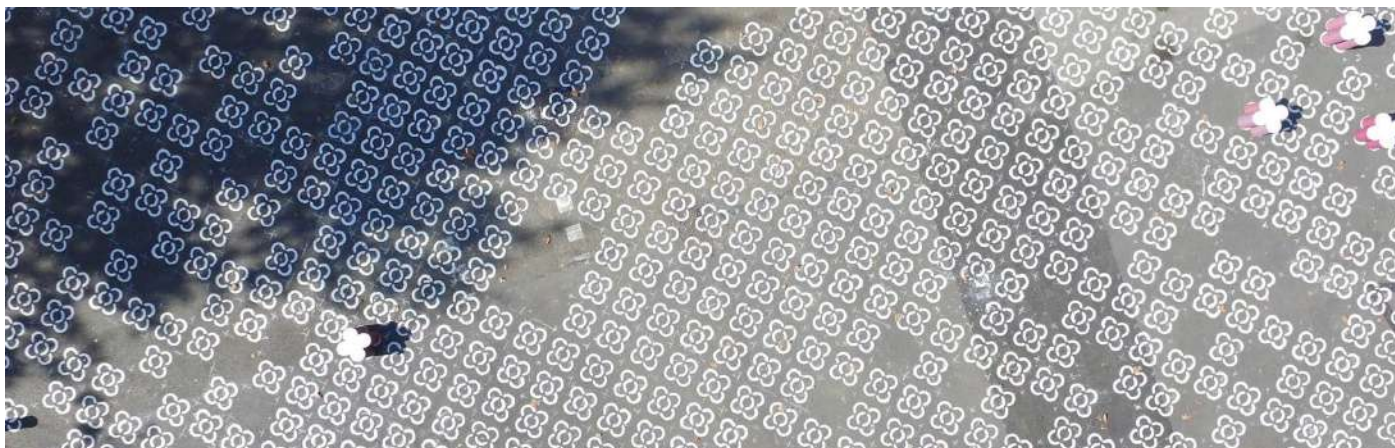
# ACTIVITIES

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One of the characteristics that define the office is the 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

As activities of interest we highlight the following:

- Participation in the Circular Economy work team, led by GBCE
- Founders and members of the Association Green Building Council Spain ([www.gbce.es](http://www.gbce.es)). Presidency 2009-2017)
- Presidency of the scientific committee of the Spanish Association for Sustainability and Architecture (ASA [www.sostenibilidadyArchitecture.com](http://www.sostenibilidadyArchitecture.com))
- Members of the working committees of the 22 @ Network Association. Presidency of the Commission of Business and Environment. Active participants in the Planning Commission and the Commission of Innovation
- Members of the Board of Directors of the "Platform for the Industrialization of Housing. PIV" and participant of the Commission of the Collaborative Work team.
- Presidency of the Chamber of Professional Societies.
- Advisors on Environment and Sustainability of the Barcelona Metropolitan Strategic Plan (PEMB).
- Participation in the working groups of the Catalan Institute of Energy around Netzero Buildings.
- Participation in the working groups of the Subdirectorate "General of Architecture, housing and land" of the "Ministry of Development" in its law of "Rehabilitation, Regeneration and renovation urban" and in the Basic Documents of the Technical Building Code.
- Participation in the working groups of the Strategic Plan of the Education Consortium of the Barcelona City Council (2017 to 2021). Speakers and those responsible for preparing the Final document of the Group "The educational buildings plan, towards a versatile architecture and versatile".
- 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 College of Architects of Catalonia.
- Participation in the Association of Architecture and Sustainability of the College 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 NanArchitecture. Efficiency jury energy and sustainability in architecture
- Participation in the 3R City Observatory (Rehabilitation, Regeneration and Urban Renovation).
- Participation in the Architecture activities generated by the CTPA Interuniversity Group (Confederation of Architecture Projects Workshops) in the municipal activities "PisoPilot", "Torre Baró-Prototypes", "Super Islands "Pueblo Nuevo".



Action proposal in the prototype project "Super Illes en Poble Nou" with the CTPA (Confederation of Architecture Projects Workshops), the Urban Ecology Agency and the Barcelona City Council. Activity developed with the ESARQ-UIC, ETSAV-UPC, ETSAB-UPC, IAAC, Architecture La Salle.

## MAIN ACTIVITIES WITH AN INTERNATIONAL CHARACTER

2019

Participation in the Consortium Working Groups NZEB. Monterrey. Mexico.

Conference of the work of the studio organized by the CPAU. Buenos Aires. Argentina.

Participation in innovation programs in the construction with the Consulate of Belgium

2018

Jury members in competitions and awards national and international, as representatives of the College of Architects of Catalonia, of the Council Superior of the Associations of architects, of the associations GBCe and ASA, of the Building Consortium NZEB-Mexican.

Conference of our work in Congress International on architecture and urbanism, coordinated by the Catholic University of Pereira. Colombia.

2017

Participation and Presentation in the International Congress "Designing Material Innovation" organized by "California College of the arts". San Francisco. USA.

Presentation and "Topspeaker" in the Congress organized by the real estate association of the city of Monterrey Mexico. Lecture "Towards buildings of consumption 0".

Speakers of the "Plan of educational buildings. Toward a versatile and multipurpose architecture", presenting 3 of the Strategic Plan of the Education Consortium of Barcelona, Consortium participated by the Generalitat of Catalonia and the Barcelona City Council. December 2017

Participation in the Working Committee of "Circular Economy", coordinated by GBCe- Catalonia.

Participation in organized activities and exhibition of the MIPIM Fair. Cannes. Collaboration PPP with the Government of Catalonia and the City Council of Barcelona.

Participation and presentation in the Conference on industrialization of the FECEA Institute. Asturias

2016

Participation in the European Congress "Urban development for healthier cities. An approach cross-cutting for innovative local governance".

Participation in the International Congress "III International Conference Concrete Sustainability -ICCS16".

2015

Commissioners of the Sustainability Axis of the Fair

# ACTIVITES

Beyond Building Barcelona by Construmat 2015 in Barcelona.

2014

Organization and Presidency of the Organizing Committee by GBCe of the International Congress of three-year sustainable building (WSB14 Barcelona).

Direction and Coordination, together with the Association of Sustainability and Architecture (ASA) of the contest: International "Powering Transformation".

Lecture at "Ecole nationale supérieure d'architecture of Grenoble" « Développement durable. The architecture comme réponse ». Shanghai and Qingdao conferences on the subject "Urbanism and Sustainability"

2013

Participation in the Congress of "Efficiency Energetic. Smart Cities and Communities with a conference of our professional trajectory, organized by the European Commission in Brussels .

Presentation of the research project "Beca"-Monitoring of environmental behavior of social housing in Barcelona, Germany and Brussels

Conference of the professional trajectory in the Hong Kong University School of Architecture

2012

Participation in discussion and reflection tables of the College of Architects of Catalonia project "Drives" on the present and future of the profession of architects.

Advisers of the project of the Polytechnic University of Catalonia "Eco" of the international competition SOLAR DECATHLON-EUROPE. Conference on the work of the office organized by the Chair of Bioconstruction of the TEC of Monterrey Mexico.

Conference of the work of the office to Congress of sustainable building organized by "Turquey 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 sense of the office.

Conference on "Architecture and sustainability" (Red of Entrepreneurs. Qingdao City Hall) in the Qindao city, China.

Conferences at the College of Architects of Istanbul and the YEM Construction Association. "The efficiency and sustainability in the building"

2010

Participation as advisers to the company in sustainability and environment at the Summit of Cancun International on Climate Change. Workshop and inaugural conference Master's program "Architecture and sustainability". college Motolinia, El Pedregal, Mexico City

2008

Conference "Technologies for an architecture sustainable, artificially natural" organized by SENAMI- College of Architects of Santa Cruz. Bolivia.

Conference of recent work at the 3rd Congress International 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 of Green Building in the Melbourne city



# ACTIVITIES

2004

Participation as representatives of Spain in the World Congress of Green Building in the Tokyo city . Award for the residential building of "Pau Claris".

Invitation to participate and participation in the Workshop of proposals for the city of Riga, Latvia .Riga City Hall.

Participation in a Master on architecture and your professional future. University of Santo Tomás. Bucaramanga. Colombia

2003-2002-2001

Participation with the "Freu Akademie der Künste". Germany

2003

Exhibition "BIOFOLIS, BUILDING NATURE" in the Gallery AEDES from the work of the office

2001

International workshops for the development of the Plan "Presentation of proposals by the Municipality of Orlú. Pariah. France.

2000

Strategic for the Metropolitan Area "MISSION SEINEup"

1996

Mention and invitation to the EUROPAN IV Awards. Helsinki. Finland

1990

EUROPAN II first prize. Project in Alguazas, Murcia





# **MASTER TEACHING, POSTGRADUATES**



**CURRENTLY**, the different members of the firm collaborate in Masters and Postgraduates

SINCE 2010 the firm directs and sponsors the Chair of Media Environment and Industrialization from the International University of Catalonia (CEIM-ESARQ-UIC).

SINCE 2010 the studio has been responsible for the Core Subject of SUSTAINABILITY of the ESARQ-UIC

Below we highlight the main teaching collaborations.

# TEACHING-MASTERS-POSTGRADUATES

2019-2018

Collaboration in the training programs of the Ceramic Department of the School of Architecture of the Polytechnic university of Valencia

2019

Collaboration with ITEC, RE-BULD AND CONSTRUMAT in the work and training teams around the Circular Economy

2018

Conferences around innovation in ceramics, organized by the Association of industrialists HISPALIT. Granada. Madrid and Barcelona.

2018-2019

Conferences related to innovation in construction: ETSAB-UPC "new spaces-new architecture in teaching spaces; CSCAE Material library "industry-architecture relationship"; COA Asturias "industrialized architecture of concrete"; Zaragoza schools of architecture, Madrid and Granada "ceramics of the SXXI, coordinated by conArchitecture, sponsored by Hyspalit. Cabify headquarters in Madrid "the new mobility of cities ". REBuild Congress "new ways of inhabit - affordable housing ".

2020-2018-2017-2016

Interuniversity workshops organized by the Confederation of Project Workshops CTPA architecture. "The minimum unit in housing", "The super-illes", "the rounds of Barcelona. Organized by the Schools of Architecture of: the University International de Catalunya, the Polytechnic of Barcelona and Vallés, La Salle, Rovira-Virgili. IAAC. Collaboration UIC, CEIM, Picharchitects, Cemex Research. Project that investigates on Bioclimatic capacities of concrete. Workshop / Optional "Climate Concrete"

Colaboración UIC, CEIM, Picharchitects, Cemex Research. Proyecto que investiga sobre los Capacidades bioclimáticas de hormigón. Taller / Optativa "Climate Concrete".

2017-2016-2015-2014-2013-2012-2011-2010-2009-2008-2007-2006

Participation in the Master of "Sustainable construction, module in industrialized construction techniques ecological "directed by Professor Rufino Hernandez. Higher Technical School of Architecture of the Polytechnic University of San Sebastián.

2017-2016-2015-2014-2013-2011-2010-2009-208-2007-2006-2005-2004

Teaching participation in the Master "architecture and sustainability: design of tools and techniques of environmental control "directed by J.Luis Fumadó and Ezequiel Usón from the Escuela Técnica Superior de Barcelona of the Polytechnic University of Catalonia

2017-2016-2015-2014-2013-2012-2011-2010-2009-2008-2007-2006-2005-2004

Teaching participation in the postgraduate course "New Technologies", directed by José Luis González and organized by the School of Surveyors of the Polytechnic University of Catalonia.

2015 -2014

Workshops and seminar on architecture, industrialization and sustainability in the Tec Querétaro with the team of teachers and students of the Solar Decathlon Iberoamericana. Master "Barchín, Architecture, Environment and Technology " with the conference " Ecology, energy and environment ". Master directed by Estalísnau Roca. Tech Monterrey with the Bioconstruction Chair

2014-2012-2011

Participation in the Master of the European University de Madrid "Advanced project techniques session 1". "How to create needs? What assumptions do they make? "that energy management is introduced between the demands that architecture must answer? "

2014

Workshops and Seminars in Qingdao City, Shandong, China on architecture towards sustainability. Workshops and seminar at the architecture school from the University of Kazakhstan, introduction and deepening towards sustainability in architecture. Almaty, Kazakhstan



2014-2013-2012-2011

Participation in the section "Encounters" of the Master of Architecture and Environment of the University Camilo José Cela.

Participation in the master's work visit classes "Architecture and Environment" of the School of La Salle architecture. Ramon Llull University

2011-2010-2009-2008-2007-2006

Teaching participation in the specialization course of the Construction Department of the School of Barcelona Architecture (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, Bioclimatics Module ", directed by Professor José María Lapuerta. Higher technical school of Architecture of the Polytechnic University of Madrid

2009-2008-2007

Participation with the Polytechnic University of the city of Mexico and with the La Salle University of León-Mexico in some Architecture and sustainability seminars

2008-2007-2006

Participation with the Construction Department architecture 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 the La Salle University. Directed by Josseline Bottom

2007-2006

Participation in the Building and Sustainability course ", organized by the Higher School of Art and Architecture from the European University of Madrid (ESaA).

2006-2005

Participation in the course "Architecture and sustainability " organized by the School of architecture of the University of Valencia with the office experiences



