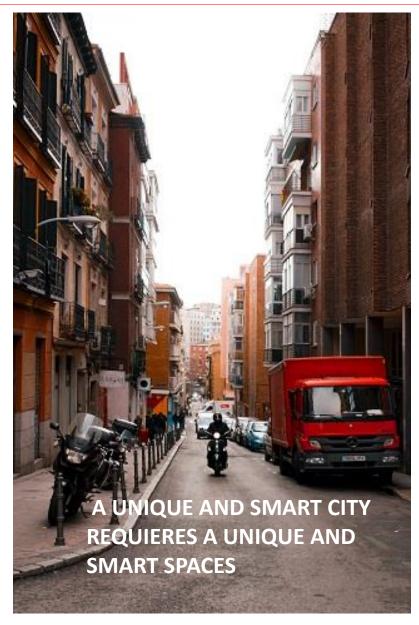






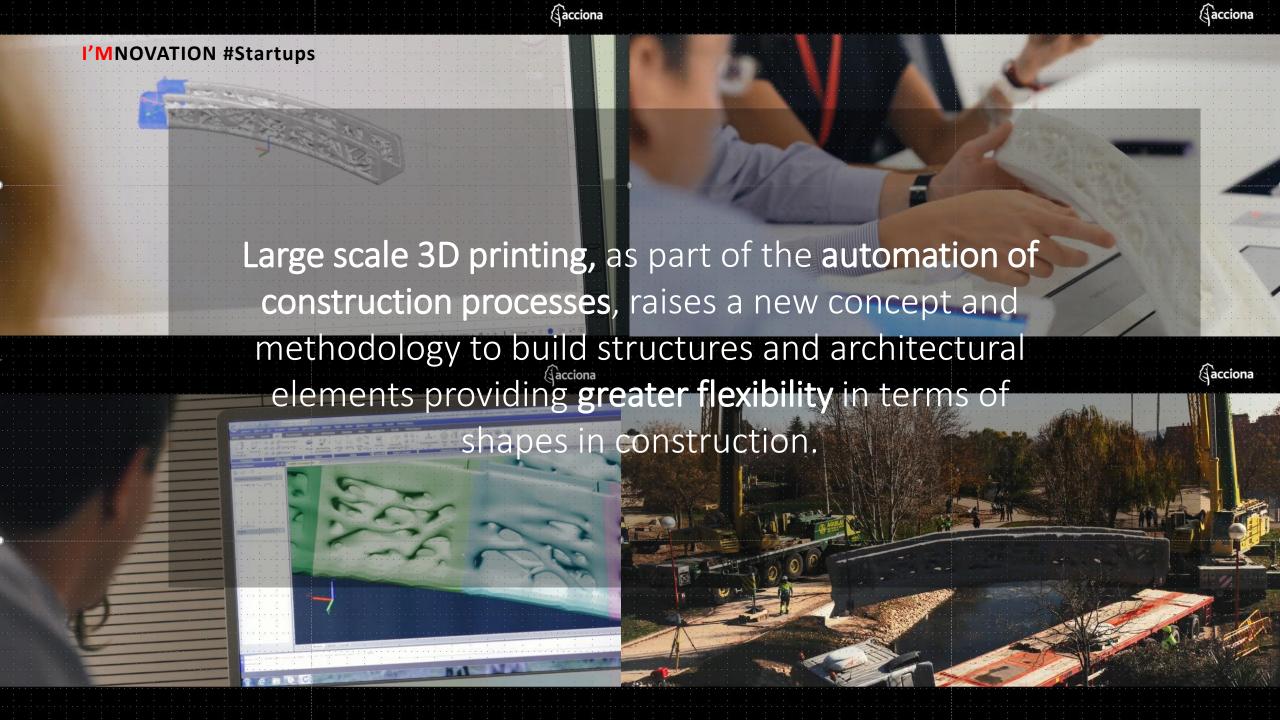


A smart city is a designation given to a city that incorporates information and communication technologies to enhance the quality of living for its citizens through smart technology.





- Adapt the city to citizens
- Imagine new possibilities for construction
- Customize the urban landscape
- Cocreate the urban environment with the people who live there











#### Preservation of Historical M \( \square\) & Cultural Heritage







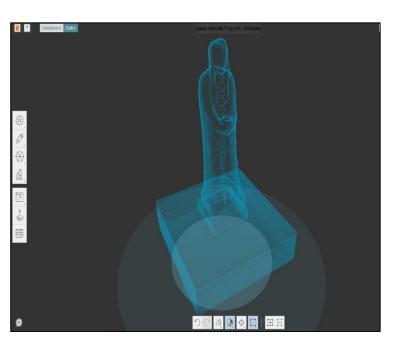








**CITIES** 







**DESIGN** 

**3DBUILD** 

**INSPIRE** 

**LET'S WORK TOGETHER** 



PRECAST ELEMENTS

**IN SITU ELEMENTS** 

SINGULAR CONSTRUCTIONS

URBAN FURNITURE

HERITAGE & SCULPTURES











Construction out of formwork with virtually any shape impossible with traditional methods.

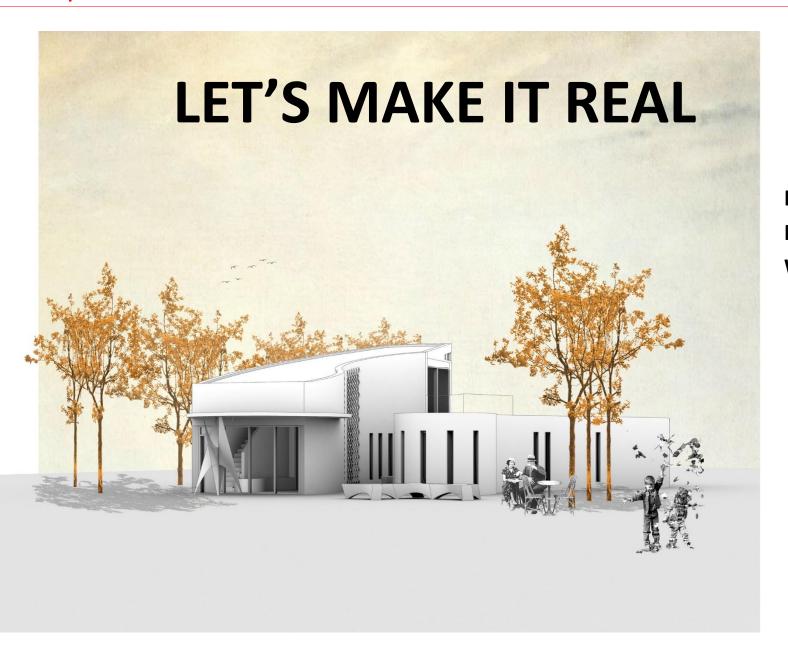
Fast house construction, Building in situ elements, fully customized, barracks, developing areas, reconstruction disaster zone, refugees camp.

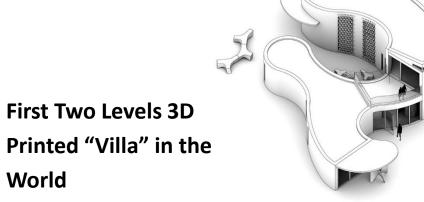
Architecture meets engineering. Total freedom for architectural design and creation.

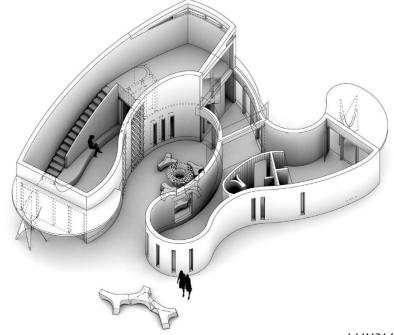
Full customization and unique pieces possibilities. Bench, fountains, lamps, etc.

Reproduction of sculptures due to lost, damage, stolen and new era for digital sculptures.











BUSINESS AS UNUSUAL





Modular Architecture . Future Systems



# ArcelorMittal Transforming tomorrow

- The world's leading steel and mining company, with around 197,000 employees in more than 60 countries
- Leader in all major global steel markets, including Automotive, Construction, Household appliances and Packaging, with leading R&D and technology

## Global R&D Facts & Figures

- 1,400 full time researchers
- 2017 spending of \$278m
- Broad, comprehensive portfolio and programmes addressing business needs
- Worldwide network of laboratories: 11 research sites in Europe and Americas



[baragaño] Modular Architecture



### Ь

#### **System Beneficts**

Manufacturing time [4 months]

Greater safety at work [factory]

Reduction impact in the field [off site]

Quality Control and Technology [factory]

Option to relocate the house in another place [mobility]

Rapid investment recovery [Risk reduction]

Safety and precision structure [seismic areas]



Modern Times. Charles Chaplin, 1936







**HENRY FORD** | Ford T, 1908

Low Cost car

**Mass Production** 

"A customer can have a car of the color he wants, as long as he wants it to be black"



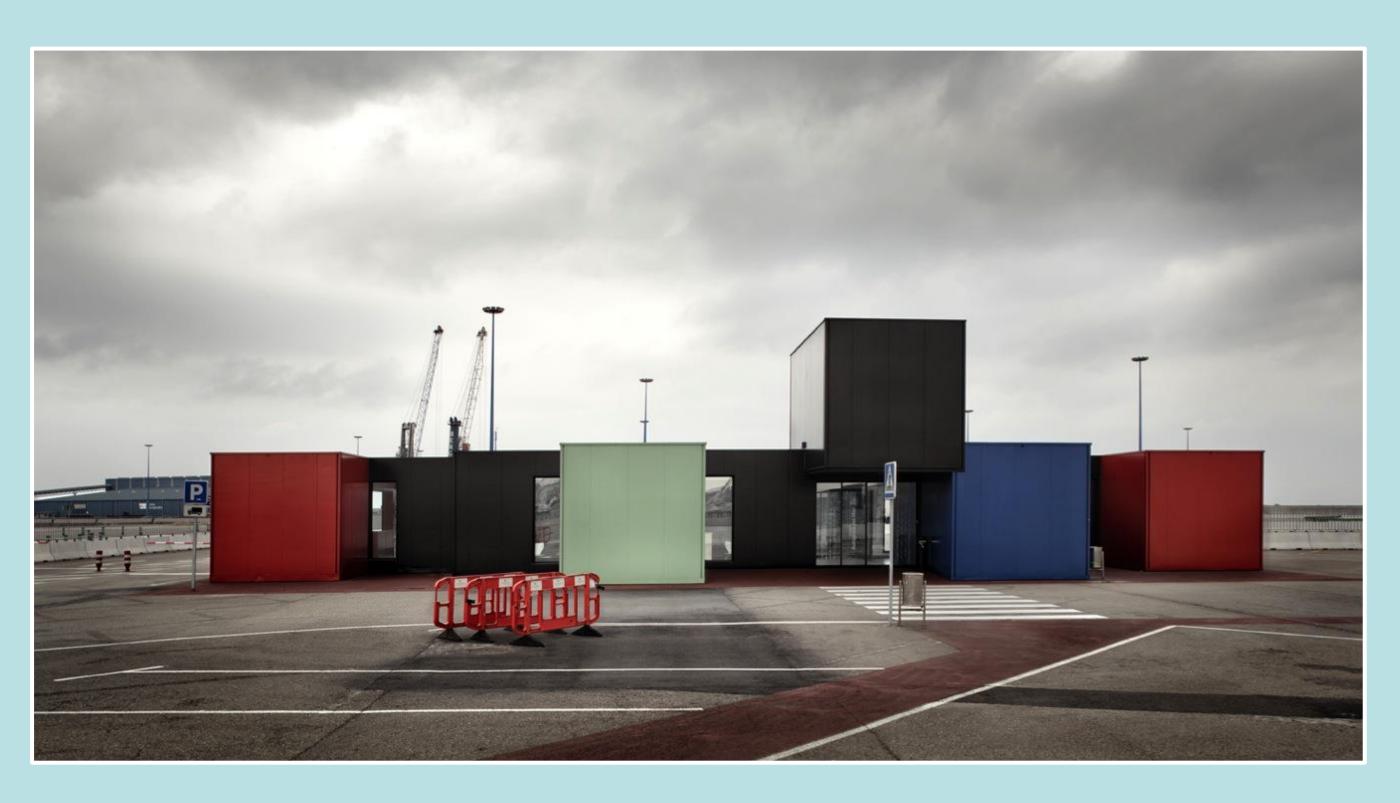


Port of Bilbao Cruise Terminal [love boat]

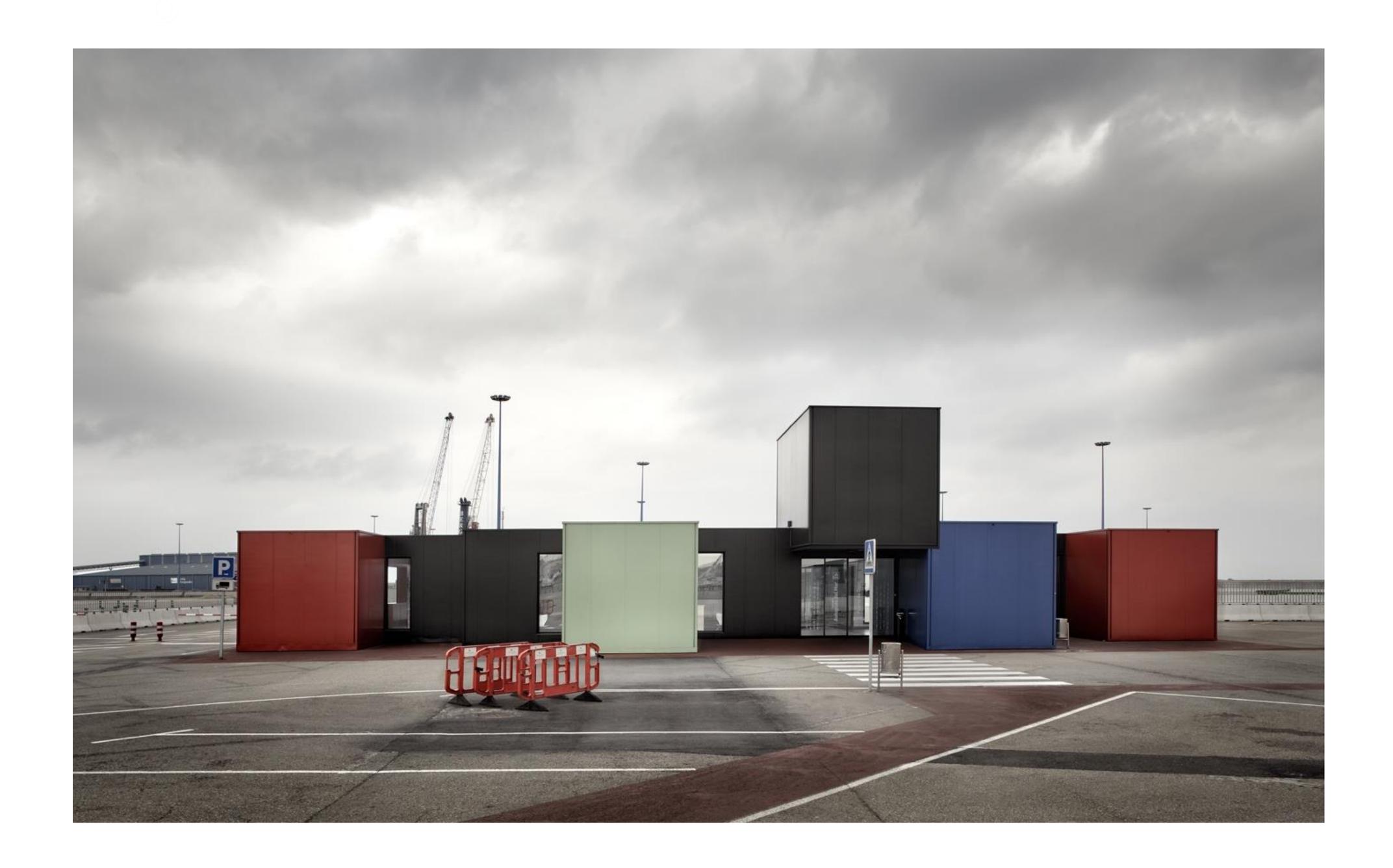








Port of Gijón Cruise Terminal [ autopista del mar ]









Docks in Aviles Port [ Neighbours of Óscar Niemeyer ]







OFFICE BUILDINGS



ArcelorMittal R&D Global [ slab ]







OFFICE BUILDINGS



ArcelorMittal R&D Global [ Grid ]







OFFICE BUILDINGS



ArcelorMittal Headquarters [ Bilbao ]











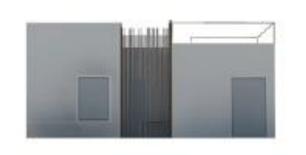
bhome [growing houses]









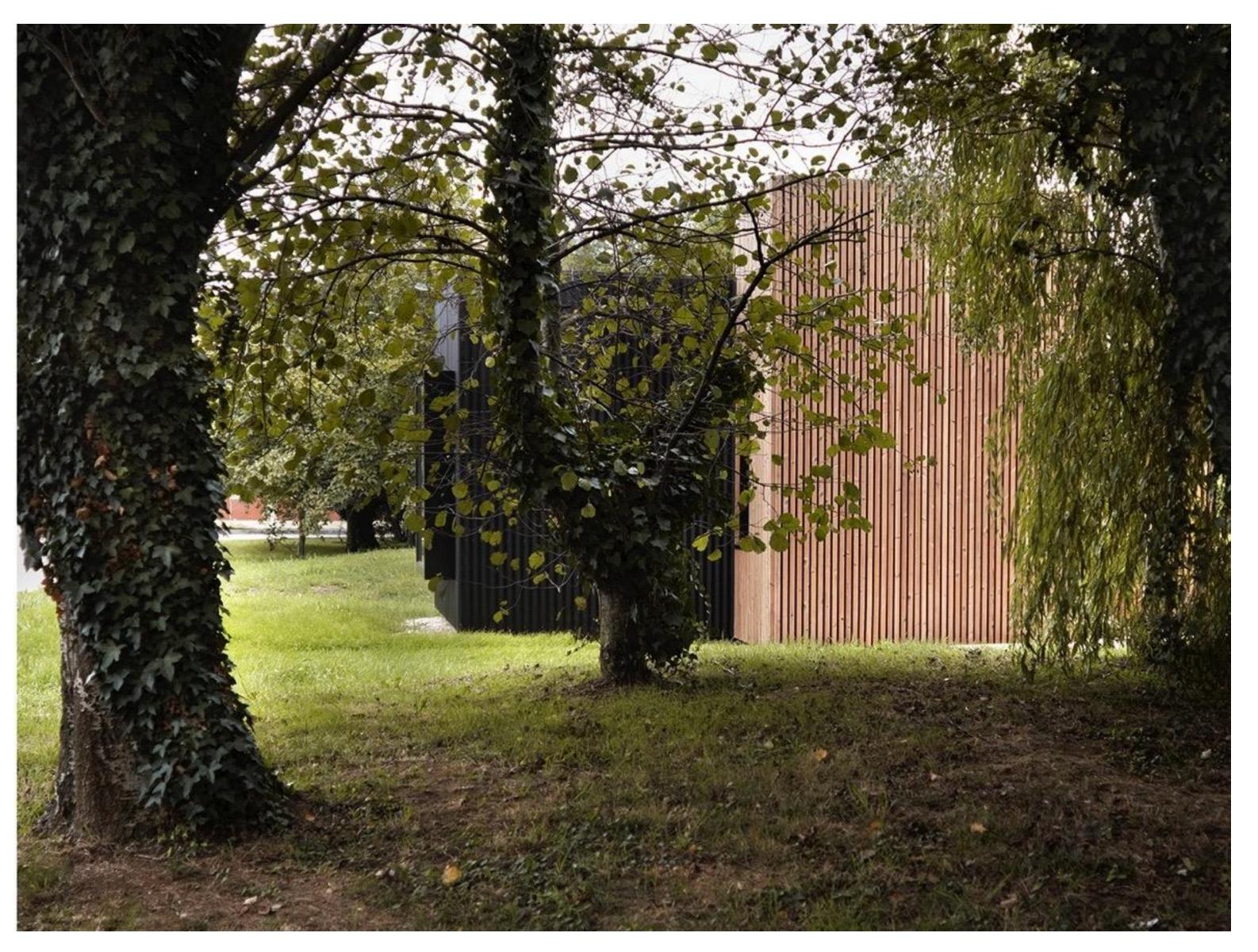




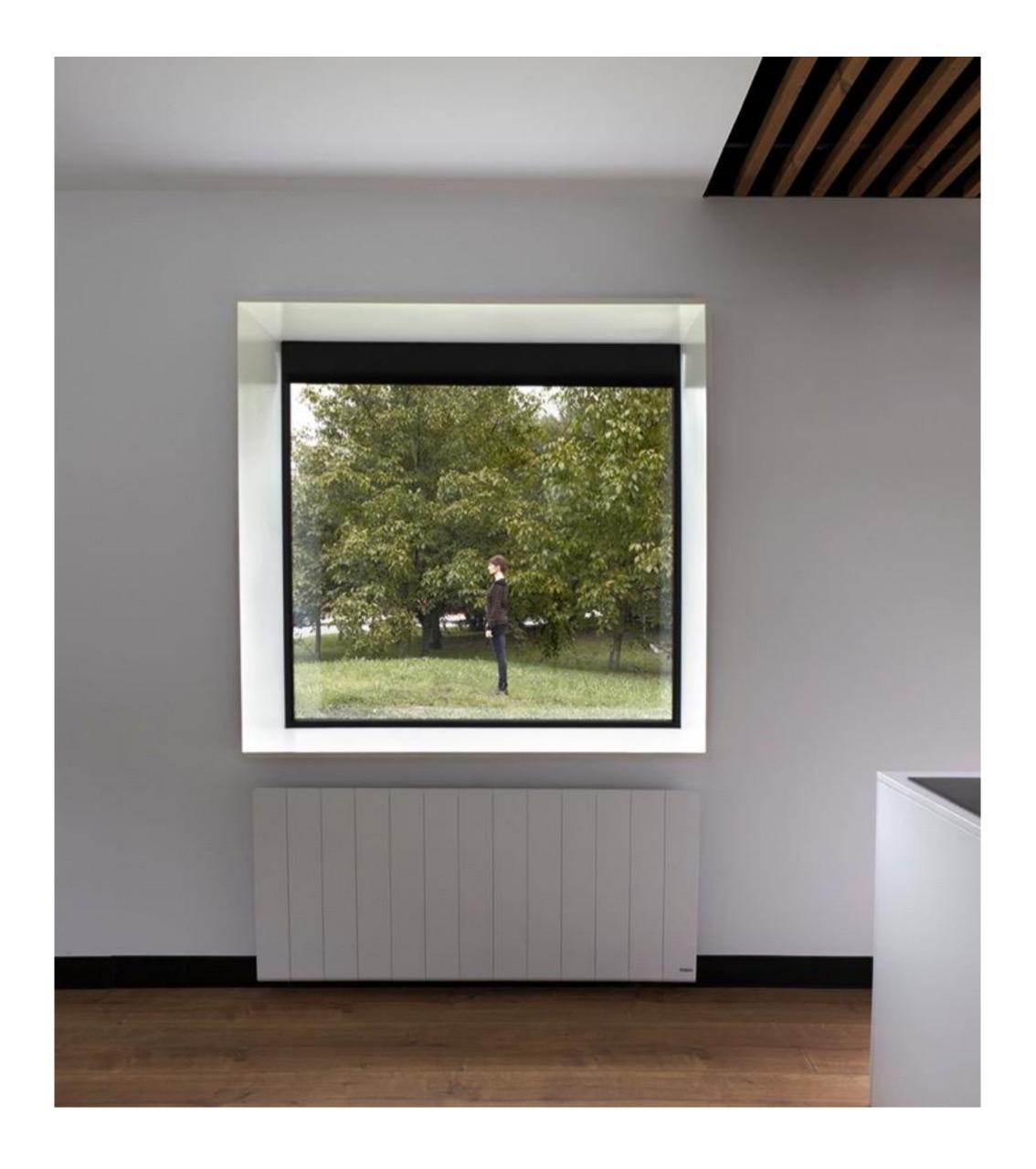


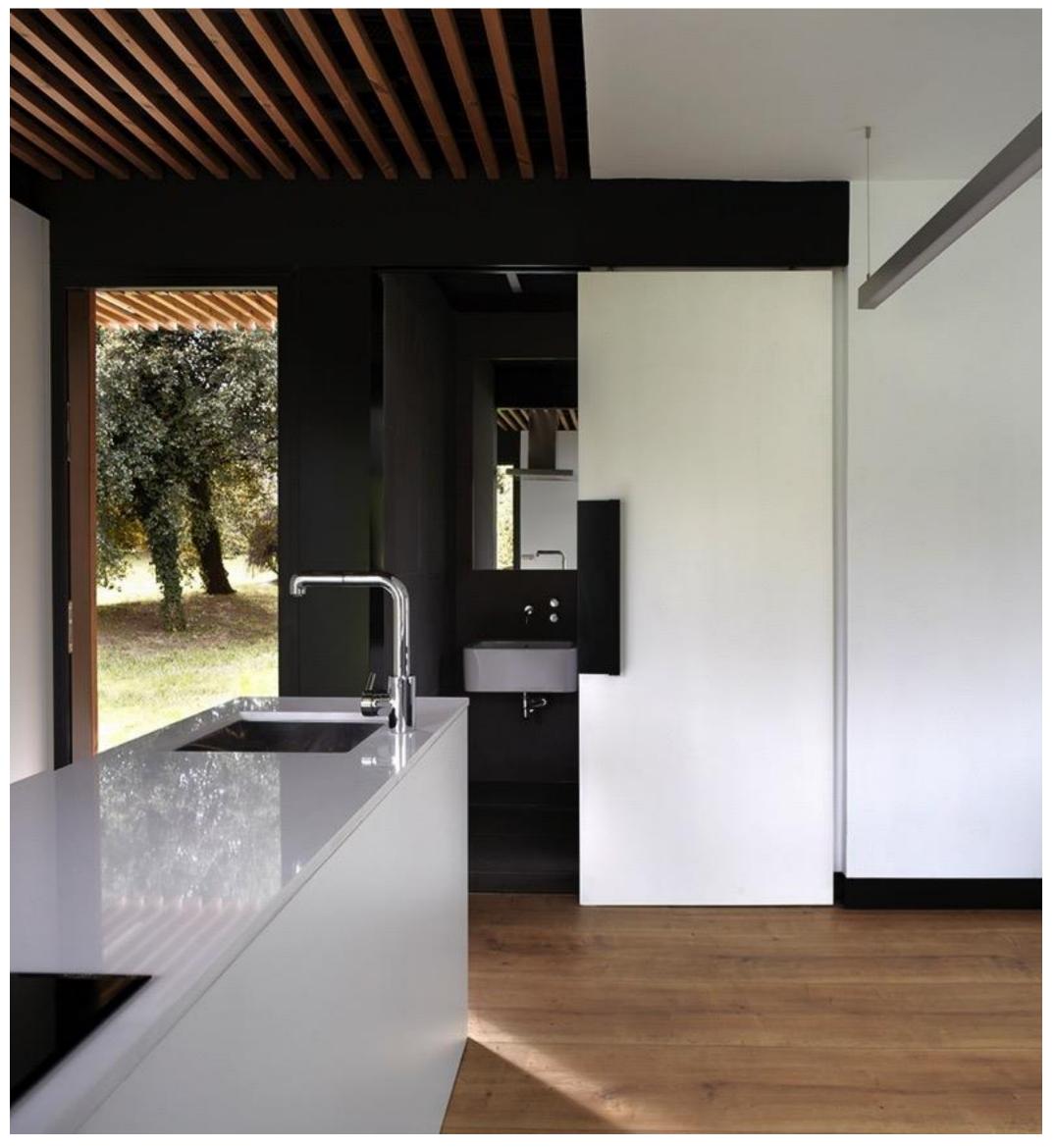










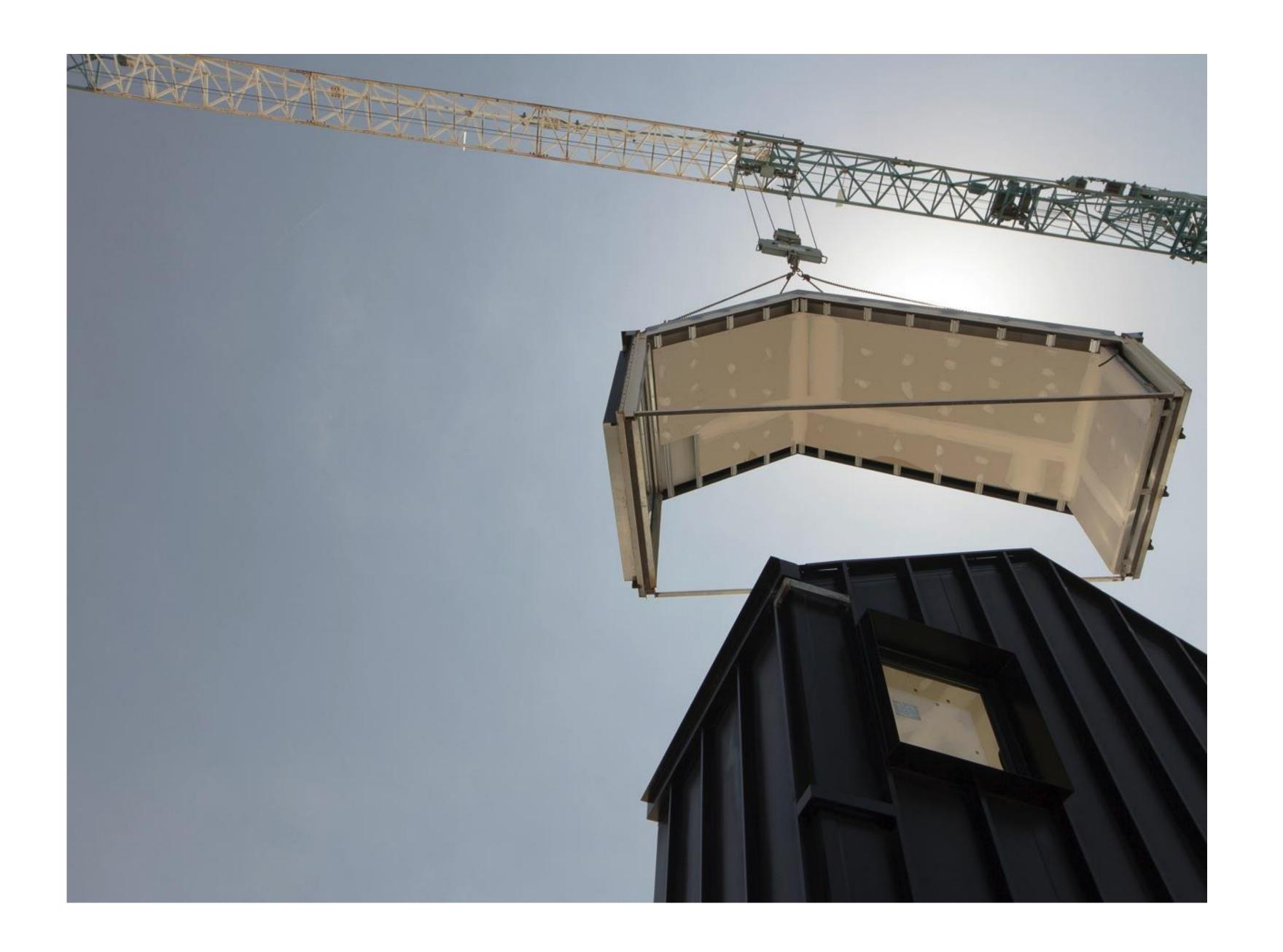






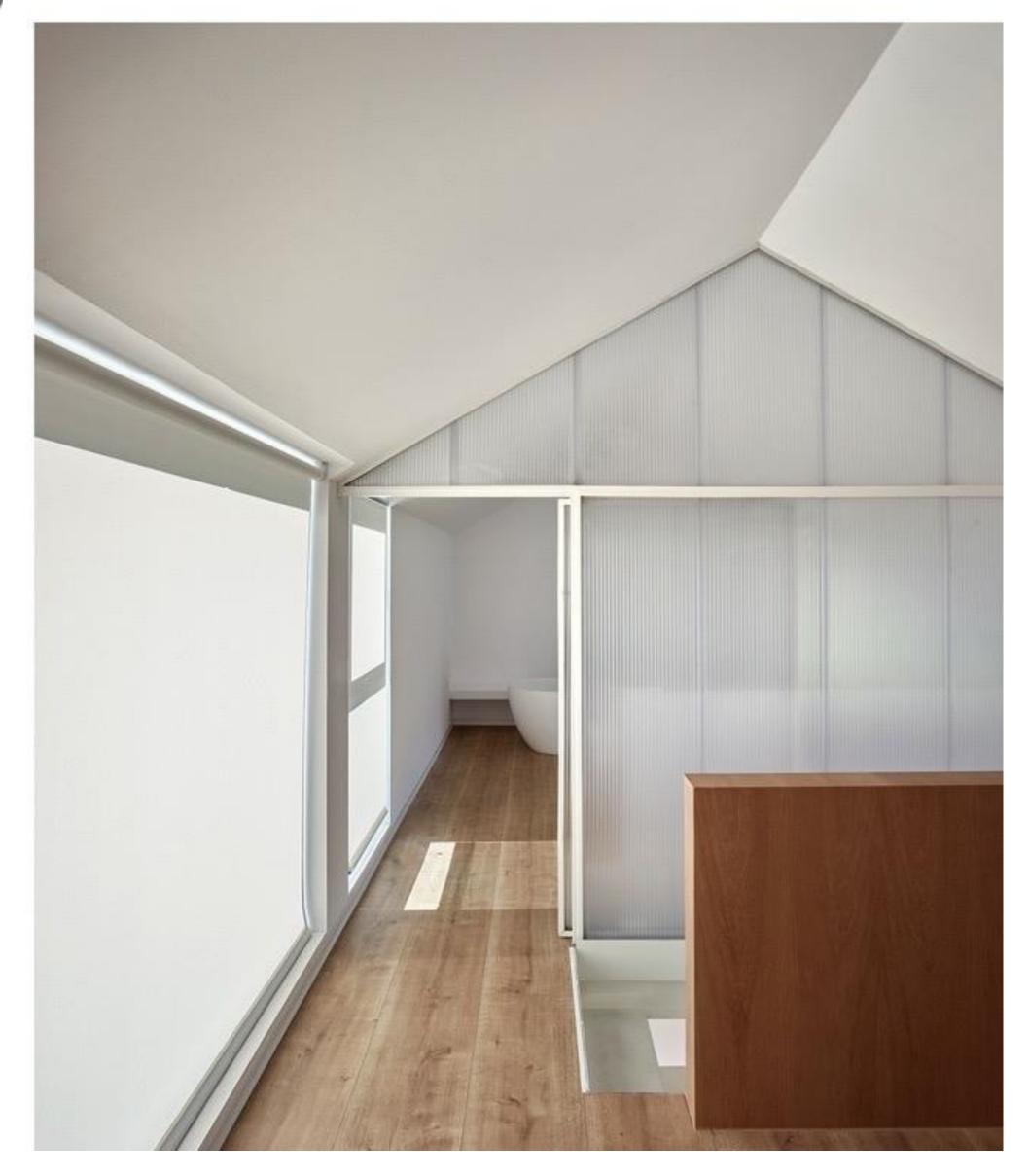
casaMontaña [ Strangers in Paradise ]

















Collective Housing [ 5 plantas ]









www.baragano.eu I www.bhome.es

serrano 5 . madrid

inhabitants in the metropolitan area

FRANKFURT 700,815 inhabitants

**2,2M** 

inhabitants in the Lyon surrounding area

\_\_\_

## ECONOMIC ATTRACTIVENESS

**#1** most enterprising city of the future to rival Paris

(EY 2017 attractiveness survey, Europe)

**10<sup>th</sup>** most attractive city in Europe (PwC, 2017)

**#1** INDUSTRIAL AREA of France

2nd higher education and research center in France

#### **LIVING ENVIRONMENT**

#1 French city & #29 city worldwide for quality of life

(The Economist 2017)



L Eludiar

#### **3 DOMAINS OF EXCELLENCE**



Life Sciences & Health



Chemicals & Cleantechs



Software & Digital contents







## LYON REGION START- UP ECOSYSTEM

#### **KEY FIGURES**

- +350 start-ups incubated in 2017
- +200 start-ups accelerated in 2017
- +600 ICT training programs
- 210M€ raised in 2018 (vs 83M€ in 2017)











































## FOCUS: H7

Flagship Hub for Digital & innovation (April 2019) www.H-7.eu

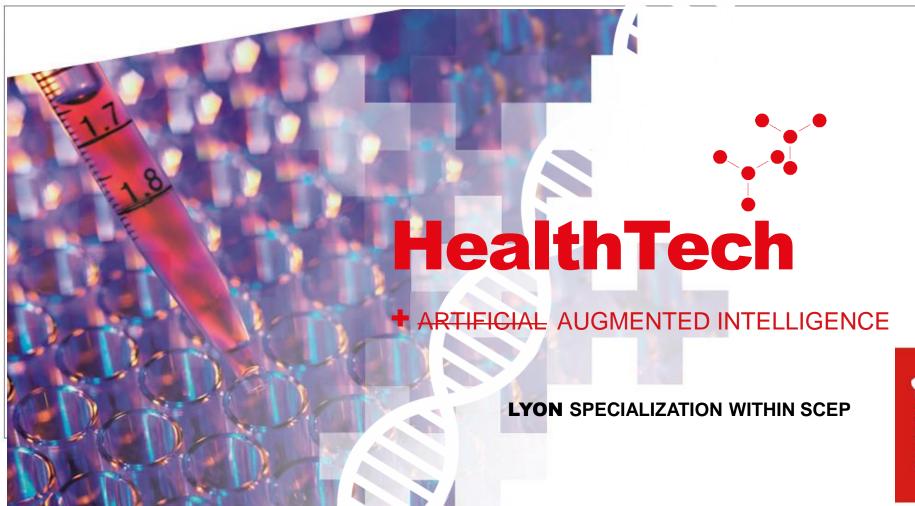
- 5000 sq.m dedicated to start up & innovation
- · Home to Daily Tech events
- SU Support: public actors united to facilitate start-up growth
- Soft- Landing Package for International start-ups powered by Invest in Lyon- Lyon French Tech

Start-ups Corporates **Public Actors** 



E.g: HEALTH ACCELERATION PROGRAM





## LIFE SCIENCES

A DRIVING FORCE FOR LYON'S ECONOMY 800



Life Sciences' companies in the region

Over

15,000 °°°

Life science Students

& New 150 PhD p.year

**150** 



dedicated to life sciences

9,000 Researchers

\_\_\_

Over

1,400

clinical trials

performed each year at Hospices Civils de Lyon **35,000** %



in Lyon

(France 2<sup>nd</sup> Largest employer)

1st



French health cluster





# LYON METROPOLE PROMOTES AND ENCOURAGES INNOVATION AND COLLABORATIVE PROJECTS TO SHAPE THE FUTURE OF HEALTH

| Through the support to the regional biocluster



on 4 strategic areas:





Veterinary medicine



Medical devices & technologies



In vitro diagnostics

And collaborative & seamless partnerships with digital clusters & players within specializations

- Insurance & Care path
- Environmental Health (Smart City)
- Food & Nutrition (FoodTech hub)
- SportTech

- Complex Systems Modeling & Simulation
- IOT & Robotics
- Digital Contents
- Medical imagery
- Cybersecurity & Privacy











ONLY LYON

# DNLYLYON

## AI IN LYON PUBLIC RESEARCH & EDUCATION





- +150 AI centric public researchers -8 dedicated labs
- + 100 companies with integrated AI

#### MAIN SCIENTIFIC THEMES IN AI:

- Processing chain from data to knowledge e.g Bio informatics, Complex systems simulations, data science
- Machine learning: (statistical learning, deep, reinforcement learning, developmental learning, neuroscience computational)
- **Computer Vision and Image Processing AI systems**
- Robotics
- **Embedded software**
- Ethics by Design/ Ethics by reasoning

#### MAIN APPLICATION DOMAINS:

- Education, acquisition & share of knowledge
- Health & well-being
- Smart mobility & smart cities
- Security & privacy

#### PUBLIC FDUCATION:

9 Masters courses and 9 specializations or majors

in engineering schools in Artificial Intelligence



#### **Outstanding Excellency in Mathematics** (Data Scientists)

- Dpt. of Mathematics/ UCLB 1 (+120 professor researchers)
- LABEX MILYON (Mathematics & fundamental computing)
- Institut Camille Jordan (research lab in Mathematics)
- Maison des mathématiques Lyon
- **ENS Lvon**



#### **Outstanding Excellency in Neurosciences**

- UCLB Lvon 1 / CRNL
- **Neurosciences Campus**
- Stem Cell & Brain Research Institute (SBRI) / CORTEX project (understand the brain and human cognition including robotics applications)



















## **THE BIODISTRICT - Lyon GERLAND**



Future site of IARC- 15,000 sq.m & +300 International researchers in the heart of the Biodistrict

At the heart of regional life sciences



**50** Major players **5,000** people in Health and biotechnologies **2,750** Researchers.



**Bioparc** 50,000sq.m dedicated to health SU

## **SELECTED LEADERS** IN HEALTH

**SANOFI PASTEUR** 







amoéba

**SMEs** 







START-UPS





**MAJORS** 



























**eurofins** 















**III** Mylan



BORON













260 pharma, biotechs (16 800 jobs)

240 medtechs (4 200 jobs)

"pure players" e-health (600 jobs)

## REMARKABLE FUNDRAISINGS SINCE 2015 in the Region



## SOME SELECTED START- UPS in **HEATLH** with **AI**



Novadiscovery builds knowledge-driven models applied to virtual patients and runs *in silico* clinical trials to de-risk and optimize R&D.



New technologies to improve skin markers detection using Deep learning, Neural network or Artificial Intelligence methods.



Platform of algorithms dedicated to diagnostics



VR Therapy to relieve patients from psychic & physiological pain



Neuromotor rehabilitation using visual illusion to help motor recovery after stroke with an Al-based technological platform providing patients with a personalised care program.

### MAIN FORTHCOMING EVENTS HEATLH & AI IN LYON











17th World congress of Medical & Health informatics

## **THANK YOU!**

## Representing LYON's SCEP Partners:











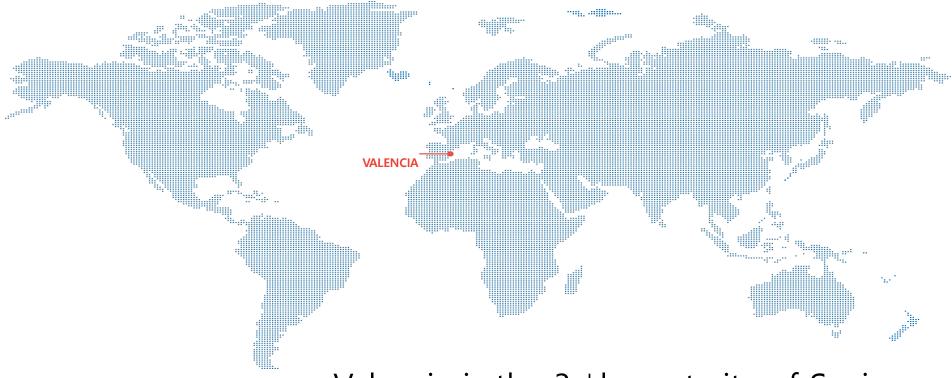
Julie Berliet
Lead Advisor (Digital) @Invest in Lyon
Board Member @Lyon French Tech
Contact: berliet@inverstinlyon.com



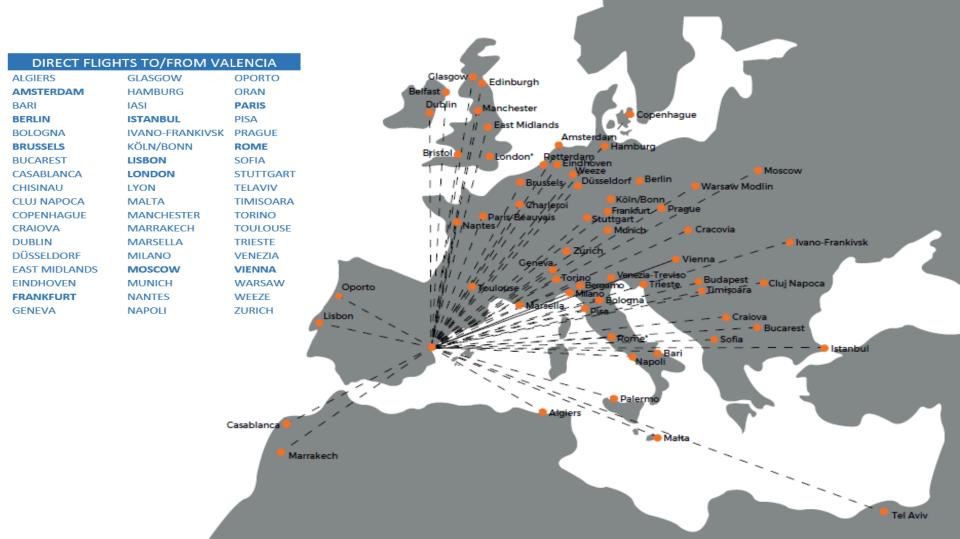
Eleonor Hodson
Office Manager @H-7
Contact: Eleonor@h-7.eu







Valencia is the 3<sup>rd</sup> largest city of Spain Population: >1.000.000



#### WHY VALENCIA

- MEDITERREAN PLESURES
- AWESOME CONTRAST
- EASY ACCESS
- GREEN ATTITUDE
- UNIQUE GASTRONOMY
- GOOD VALUE FOR MONEY
- VIBRANT CULTURE
- EXCITING NIGHTLIFE
- FEELING SAFETY

VALENCIA, MEET SURPRISE!



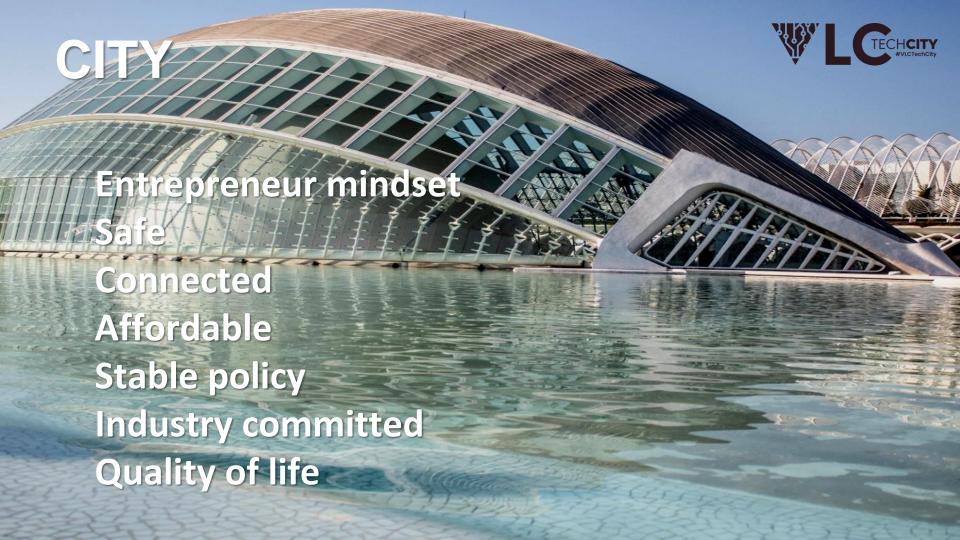


# HOW TO GET TO VALENCIA

- Valencia has historically been a cultural crossroads and continues to be a meeting point between northern Europe and the Mediterranean countries.
- The City boasts an efficient network of communica- tions: motorways, high-speed trains, a metro, the port and the international airport make it easily reached from any part of the world.









# VALENCIA STARTUP ECOSYSTEM

VIT EMPRENDE SUMMIT 2018

Sandra Gómez

Responsable del Anva de

Startups 495+

Growing ecosystem 16% 1

Representation in the state ecosystem 10% 1

**Investment Groups** 23

Incubators and accelerators 24

Coworkings 60+

Startup & Tech Events per year 100+

Engineers per year from public universities 3.500+

## MAIN CLUSTERS









## COLLABORATION



























































CECAP

**VALENCIA** 















# OPPORTUNITIES









### Main Partners







servicios energéticos































**POLITÉCNICA** 







EIT Climate-KIC is a European knowledge and innovation community working to accelerate the transition to a zero-carbon economy through whole systems transformation.

EIT Climate-KIC is part of the European Institute of Innovation and Technology (EIT) and the EIT community. The EIT is a body of the European Union. We are one of six KICs acting together as global innovation leaders, delivering world class solutions to societal challenges.









Designs and produces coating systems for the protection of wind turbine blades.



€2M

Annual turnover

€1M

funding attracted SME Instrument H2020 €500k

funding attracted
Valencia Polytechnic
University





### Zbox is an original idea for a foldable container









300.000

Funding attracted in 2018

SME Instrument

> H2020 2017

## EIT Awards

Nominated in 2018 in the Venture category

Emprendedores

Magazine

One of the

50 start-ups with the most potential in Spain

(2017)





## Developing Hyperloop in Spain.



140K Tn CO<sub>2</sub> saved per route/year

678.205€

Funding Attracted 2018

Fundación Everis Start-up Valencia Awards Best Startup 2018



# THANK YOU

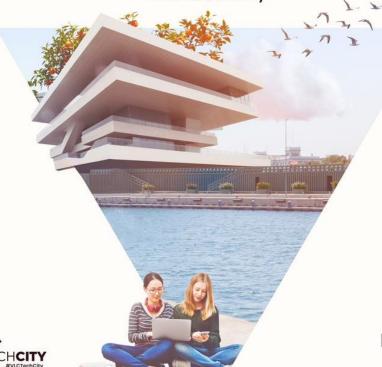
València Tech City

CleanTech



Twitter: @javimateog Email:Javier.mateo@valenciactiva.es

#### — WELCOME TO — VLCTechCity



VLC TECH CITY es un proyecto pionero que conecta todo el ecosistema tecnológico e innovador de la ciudad para generar empleo y crecimiento. Una nueva València llena de oportunidades, que da la bienvenida a todas aquellas personas que quieran imaginar hoy cómo será el mañana.

www.vlctechcity.com

#### CIUDAD DE OPORTUNIDADES

STARTUPS · ACELERADORAS EMPRESAS · INVERSIÓN · TALENTO UNIVERSIDADES · INSTITUCIONES



