

Designtech[®] CoFactory

The background image shows a futuristic industrial design studio. It features a mezzanine level with glass-walled rooms in blue, green, yellow, and red. On the ground floor, two large white robotic arms are positioned on a dark platform. The ceiling has exposed concrete beams and track lighting. The overall aesthetic is clean, high-tech, and collaborative.

Where design and technology shape the world

CoFactory

CoFactory is a **1500 sqm** hybrid space dedicated to rapid prototyping and **digital manufacturing** activities, hosting manufacturing startups and scaleups, self-producing designers and makers.

Production area, dedicated offices, coworking space, laboratories, meeting and training areas coexist within the structure.



Certosa District

CoFactory brings **industry back to the city**.
Located in the Certosa District of Milan, it is at
the center of an important sustainable **urban
regeneration** program, aimed at encouraging
innovation within the neighborhood.

10 min

walk from Milano
Certosa train
station

5 min

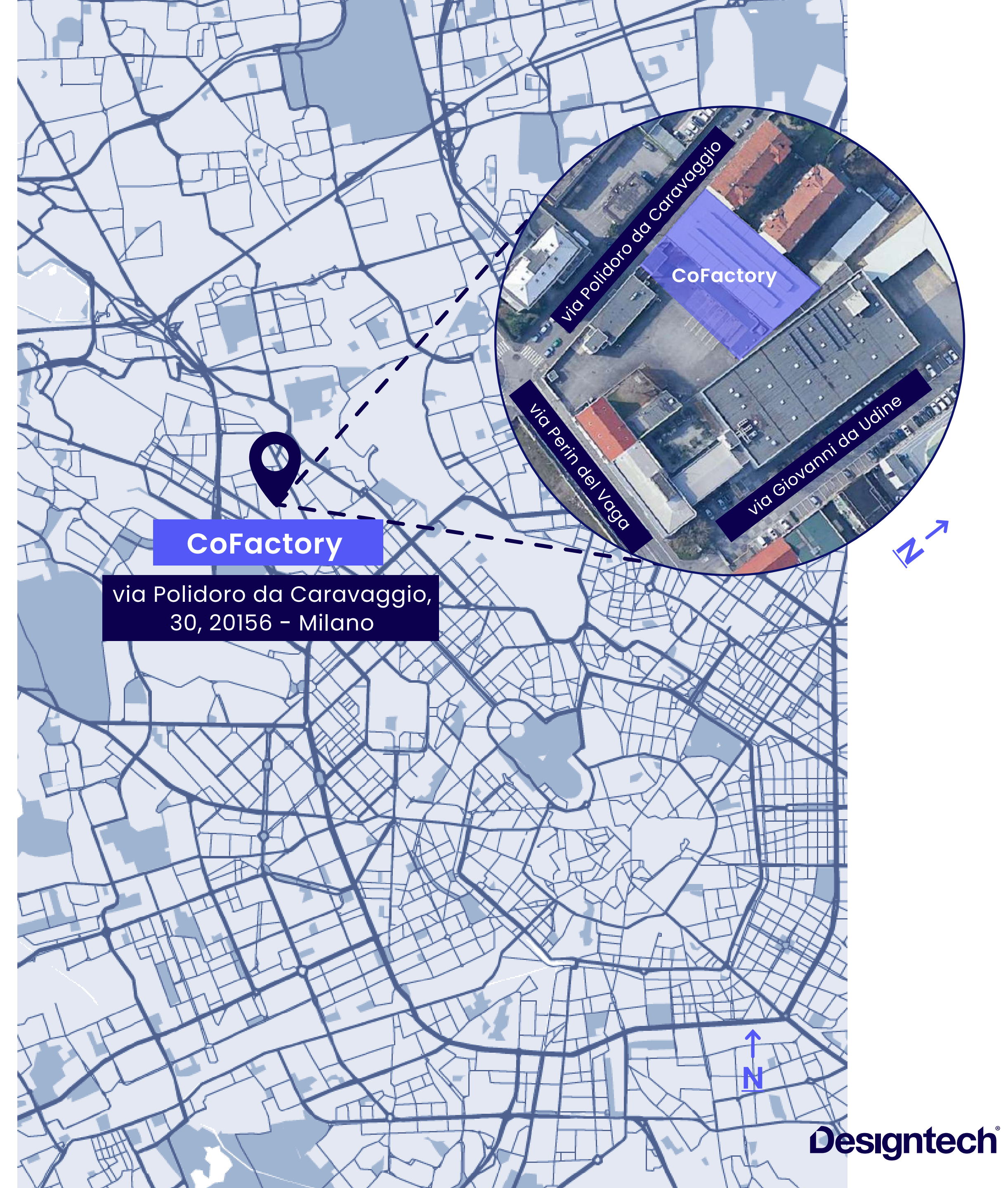
walk from **La
Forgiatura** campus

1

stop

on the S4 S5 S11 line
from **MIND** - Milano
Innovation District

MILANO
CERTOSA
DISTRICT



Activities



Dedicated offices



Coworking



Laboratories



Common spaces and services



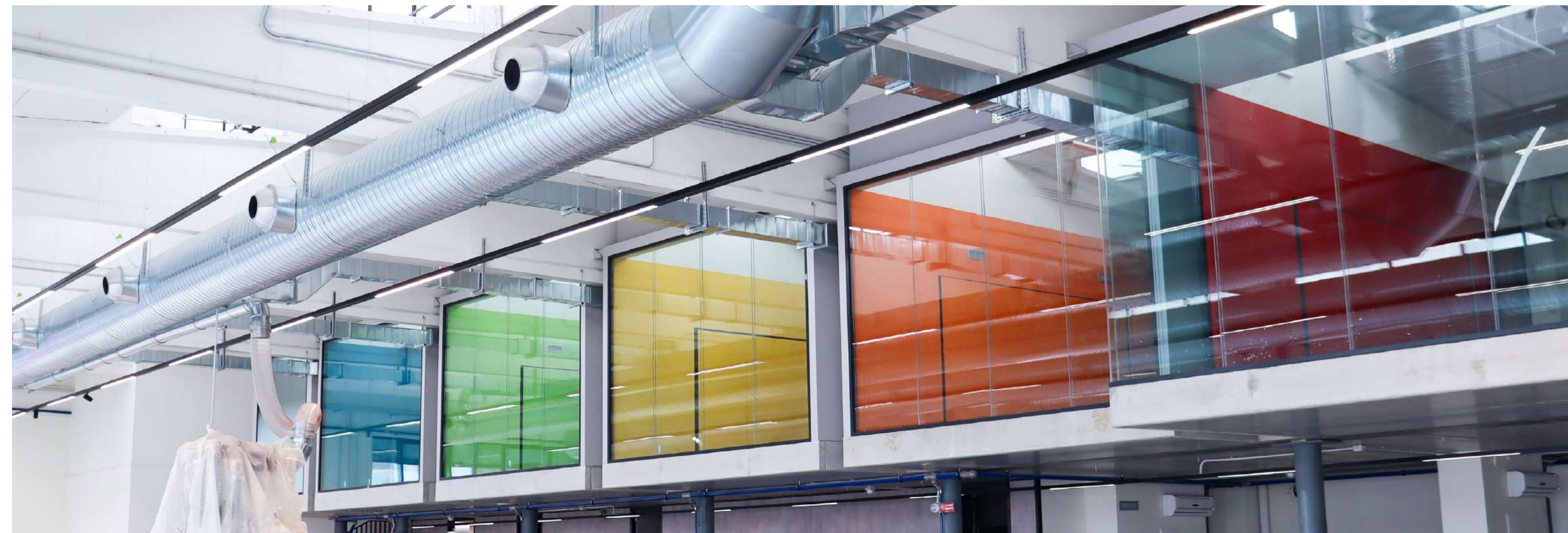
Tech equipments

Dedicated offices

CoFactory's first floor hosts six dedicated offices designed to welcome resident innovative startups and SMEs. Each office has been customized with well being oriented **design furnishings** and curated by our experts to ensure a comfortable and functional environment. The spaces include **ergonomic workstations**, adjustable tables and a **smart lighting** system.

Residents have the opportunity to **configure** the space according to their needs; our concierge is available for every need and request.

The variety of offices is designed to meet different space and capacity needs.



SMALL OFFICE
SOLD OUT

4-5 People

MEDIUM OFFICE
2 AVAILABLE

8-10 People

LARGE OFFICE
1 AVAILABLE

10-12 People

Coworking

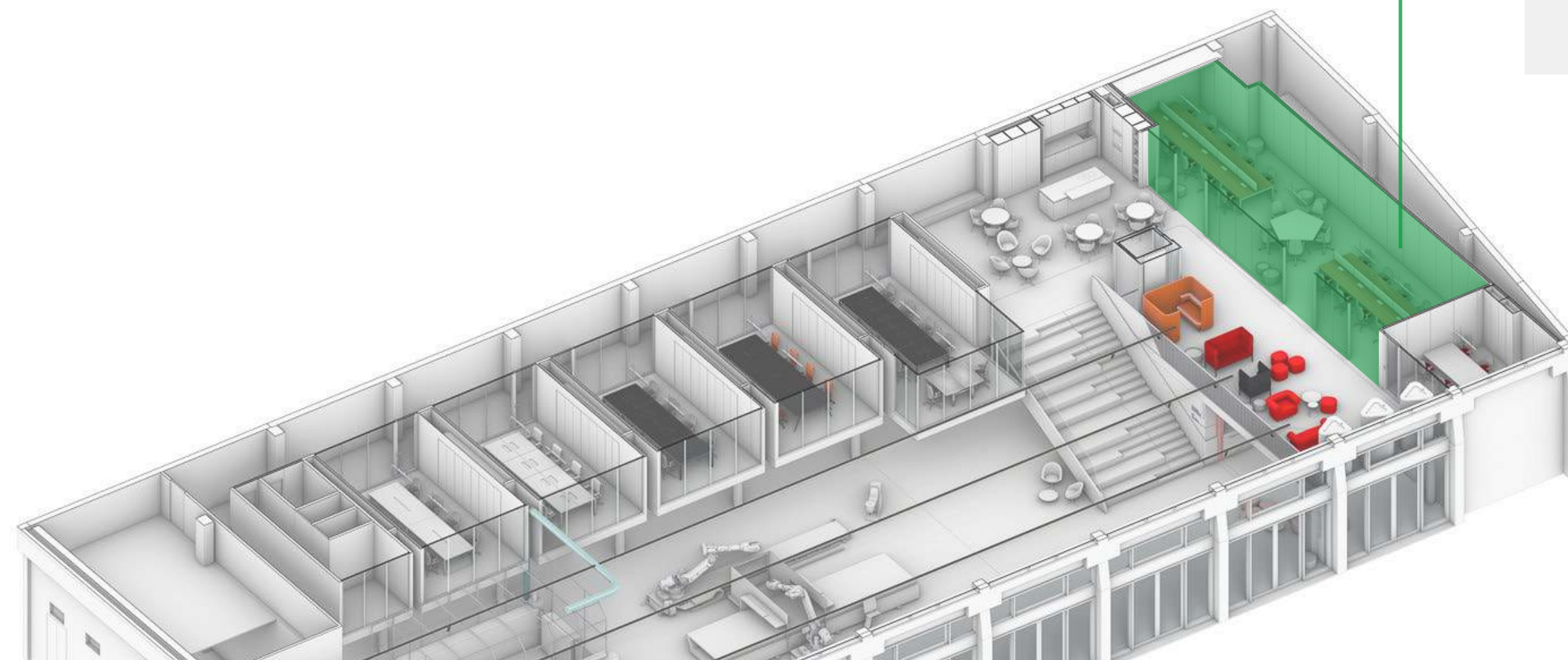
CoFactory hosts, alongside the dedicated offices, a coworking space where it is possible to reserve individual workstations equipped with **desks** and **ergonomic seats**.



Hosting:

20 dedicated workstations

6 hot desk (not assigned)

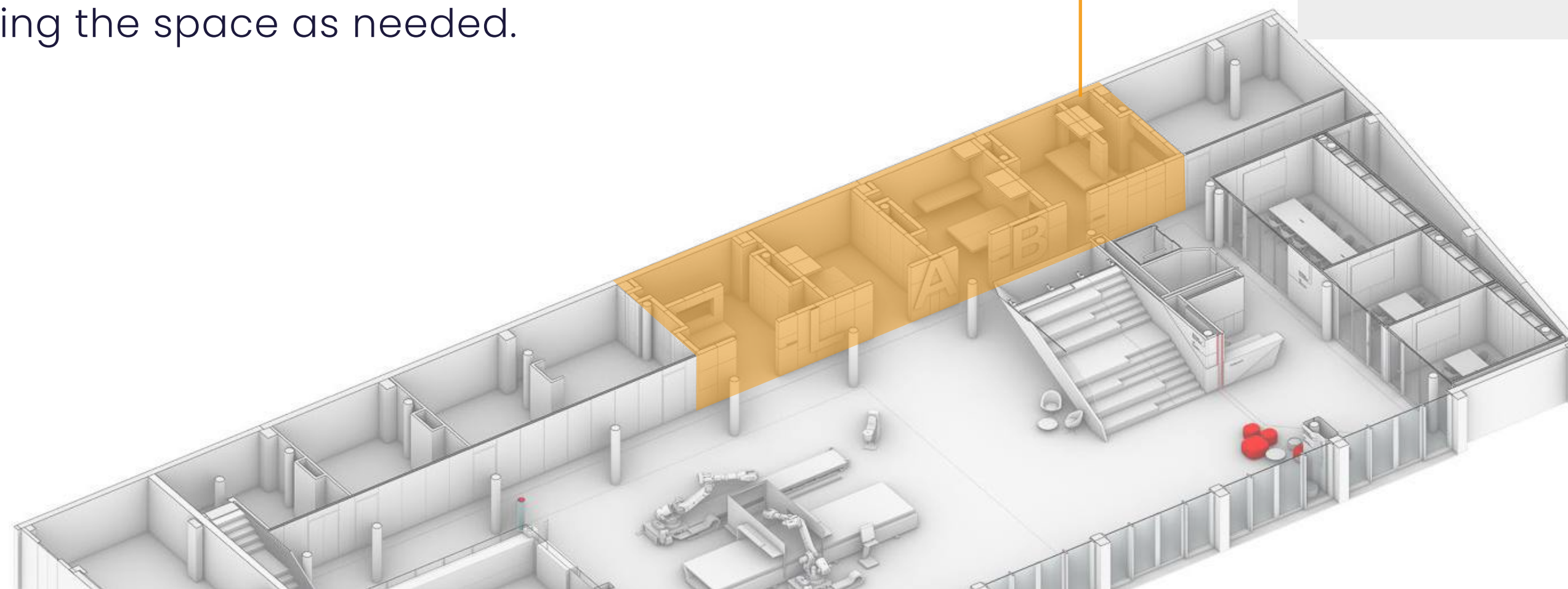


First floor

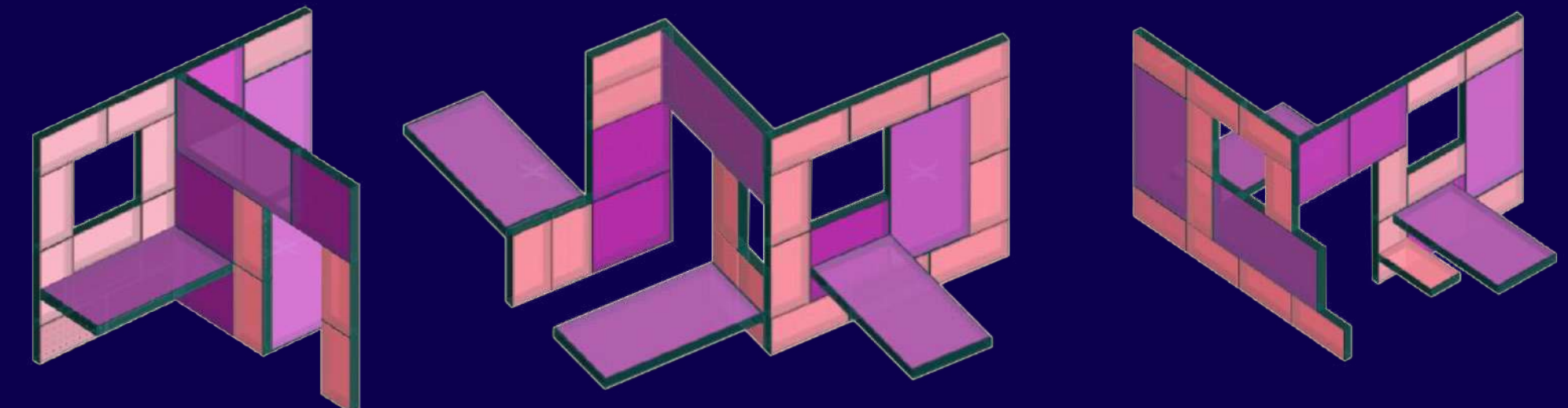
Laboratories 1/2

On the industrial floor of the factory there are the laboratories, private production spaces designed to instill inspiration, stimulate creativity and translate ideas into concrete solutions.

The environments are **customizable and adaptable** to the companies' specific needs. By becoming a resident of a laboratory, it is possible to integrate the existing facilities with your own **equipment**, configuring the space as needed.



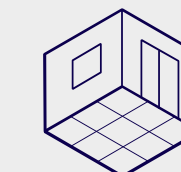
CREATE YOUR LAYOUT



BENEFIT:



Equipment included:
compressed air and
industrial electrical
connections



Custom
layout of the
space



Opportunity
to provide
community
services



Well being
oriented
design

4 LABS from **25** smq

Ground floor

Laboratories 2/2

Each laboratory is dedicated to a specific field of expertise.

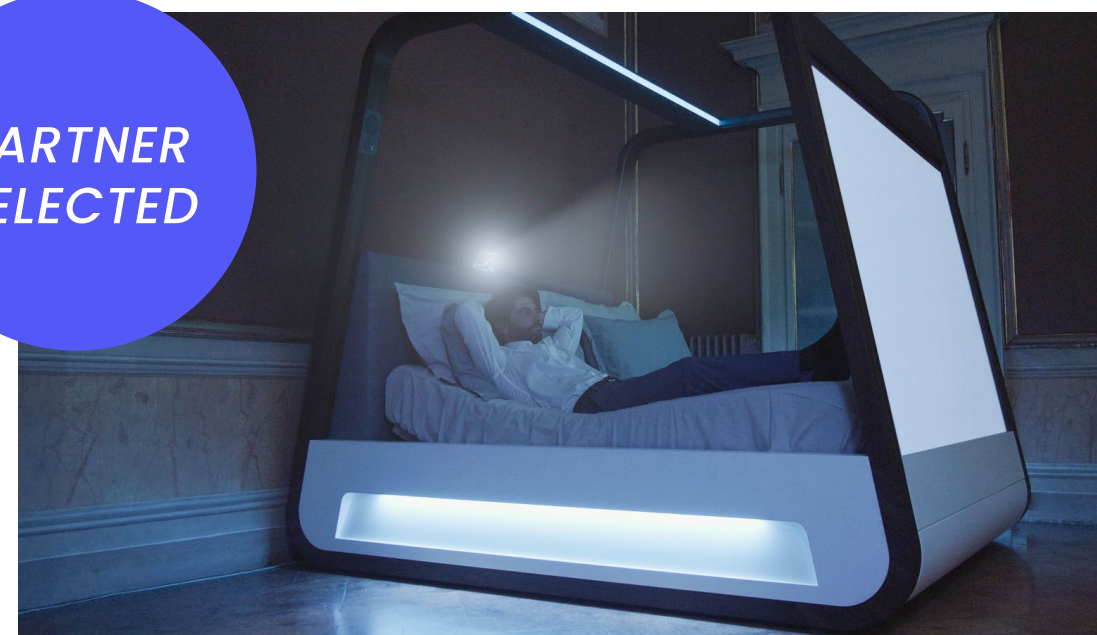
The resident, selected for one of the fields on the right, contributes to **expanding** the CoFactory's **service catalog** by making their facilities accessible to the entire community and acquiring exclusivity over the area.



Test & Certification Lab



3D Scanning & 3D Printing



Internet of Furniture



TBD

PARTNER
SELECTED

PARTNER
SELECTED

Factory service catalogue

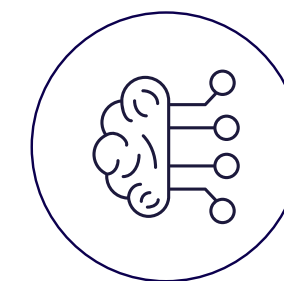
The production area on the ground floor houses advanced technological equipment for **rapid prototyping** and digital manufacturing.

At CoFactory we intervene to support our customers at every stage of the project. A **team of experts** is available to guide designers, startups and companies in the development of their solutions, **from the initial idea to the complete realization** of the project.

Design support

In CoFactory it will be possible to develop innovative production processes based on **parametric product modeling**, robotic and automated production lines, advanced and additive production platforms.

In the phase prior to the use of the equipment, we offer a design orientation service. Below are some of our services.



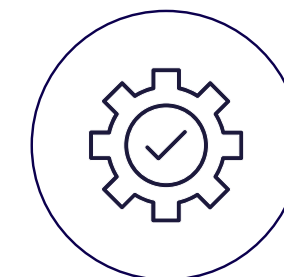
IoT (Internet of Things) connection

Design of IoT devices and connectivity solutions for products.



Data analytics and AI

Design of embedded systems for artificial intelligence.



Design for production

Design optimization to facilitate production even on a large scale.



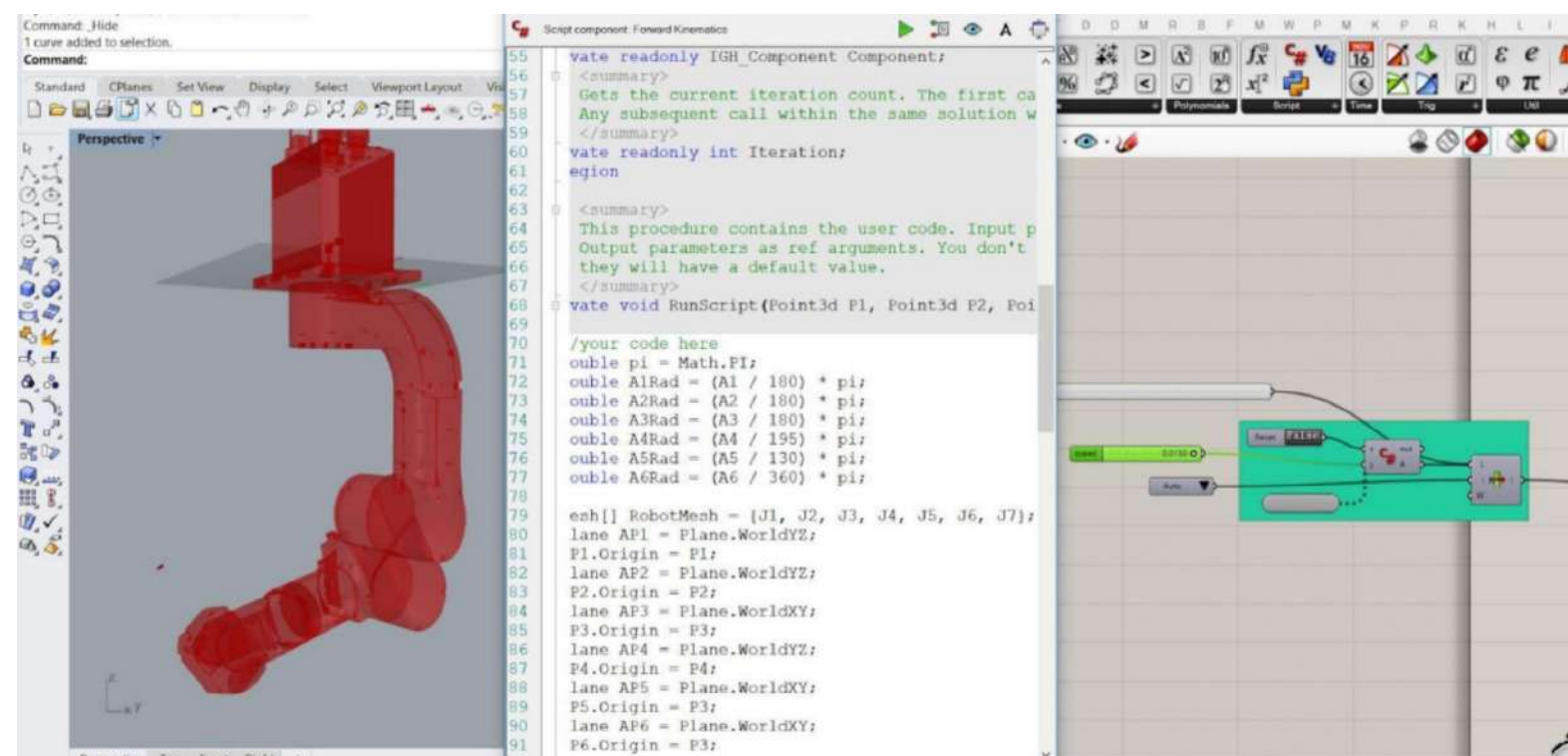
Human Machine Interface (HMI)

Design of advanced user interfaces to improve the interaction between the user and the device.



Stress and reliability simulations:

Stress tests and simulations to guarantee the reliability of the products in real conditions.



Technological equipment 1/4

[explore the catalogue](#)



KREATOR ARES



Description:

Hybrid additive manufacturing and milling system for the processing of composite materials, aluminium, light alloys and metals.

The advanced design and integrated technological solutions ensure a precise and accurate processing.

Materials:

Composite materials, aluminium, light alloys and metals, PA, PP, PESU, PEI, PET, ABS, AIRTECH DAHLTRAM and others, reinforced with carbon or glass fibers

Allowed processes:

Printing and milling,
3d printing

Applications:

- Trimming and assembly template
- Processing equipment
- Lamination masters
- Molds for direct lamination

Case study:



MASERATI 3200 GT:

Automotive master and lamination molds -50/70°C curing

Material: PA6 + 40% carbon fiber

Dimensions/weight:

1800x500x800 mm - 150 kg

Technological equipment 2/4

[explore the catalogue](#) 



EVOTECH 400



The flexible machining center for the processing of plastics and advanced materials.

Description:

The structure has a multifunctional work surface and guarantees totally vibration-free processing.

Materials:

Woods, metals, polymers and advanced materials

Allowed processes:

3 and 5 axis CNC milling



IRB 6700



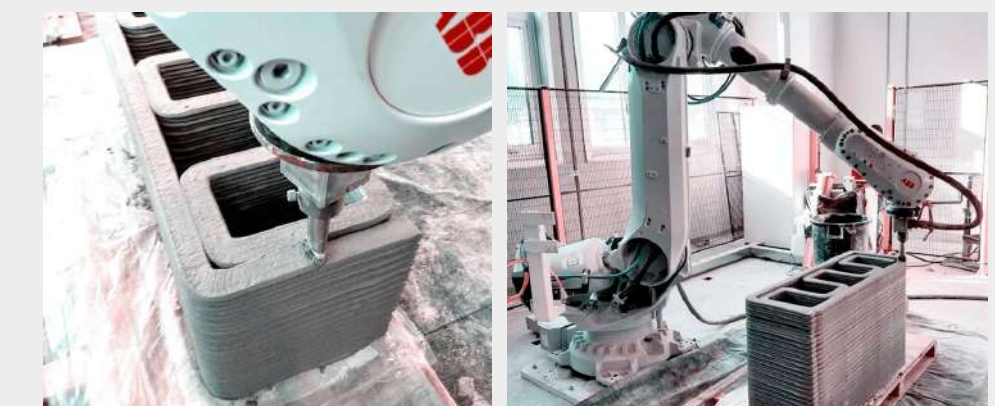
Robot with linear axis movement capability.

[explore the catalogue](#) 

Allowed processes:

Pick & place, deburring and material removal, material handling, machine supervision and spot welding.

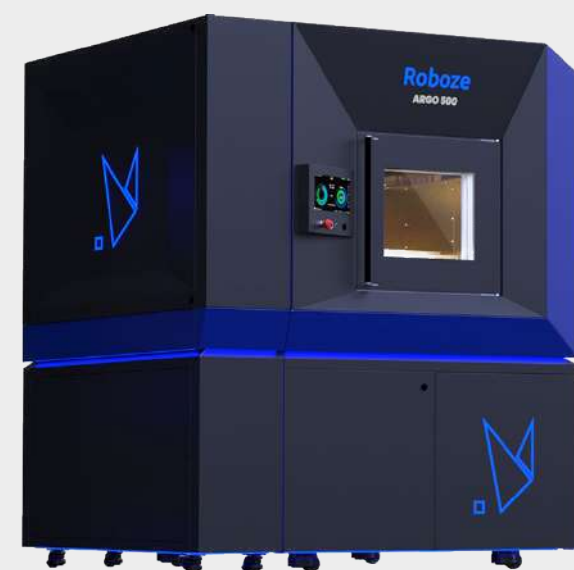
Case study: ETESIAS[®]



Use of ABB robots for 3D printing of prefabricated reinforced concrete elements.

Technological equipment 3/4

[explore the data sheet](#)



ARGO 500



Description:

3D printer for super polymers and composites equipped with Roboze Automate technological ecosystem.

An advanced additive manufacturing system that streamlines and makes production processes flexible with 3D printing of large-scale finished parts and components.

Materials:

PEEK, FUNCTIONAL-NYLON, ULTRA-PLA, CARBON PEEK, STRONG-ABS, CARBON PA, PPFLEX-TPU, ABS-ESD

Allowed processes:

3D printing

Applications:

Mass production, creation of small production batches or spare parts.

Case study:



ULTEMTM AM9085F HELICOPTER CUP HOLDER

ULTEMTM AM9085F is a technopolymer with high chemical and thermal resistance and excellent mechanical properties. It represents an excellent alternative to light metal alloys.

Technological equipment 4/4

[explore the data sheet](#)



ONE + 400 XTREM



Description:

3D printing technology for high-performance super polymers and composites, ideal for the production of tools and functional components.

The structure offers a positioning accuracy of 15 μm (0.6 mil) and a mechatronic movement that guarantees true micrometric tolerances.

Materials:

PEEK, FUNCTIONAL-NYLON, ULTRA-PLA, CARBON PEEK, STRONG-ABS, CARBON PA, PPFLEX-TPU, ABS-ESD

Allowed processes:

3D printing

Applications:

- Tooling and functional components
- Complex, low-volume parts

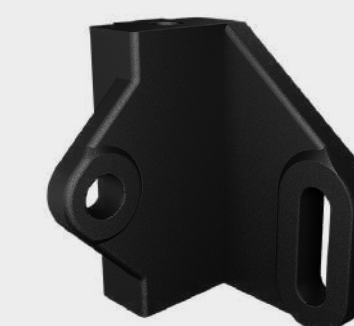
Case studies:

GRIPPER FOR AUTOMATED PRODUCTION LINES

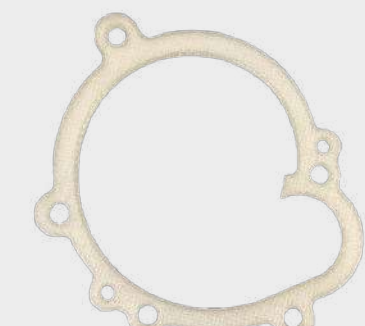


Material: PEEK

FUNCTIONAL COMPONENTS



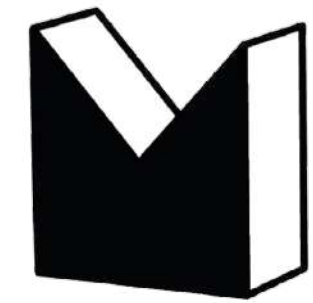
Material:
Carbon PA PRO



Material:
Flex TPU

Case study - Automated building blocks

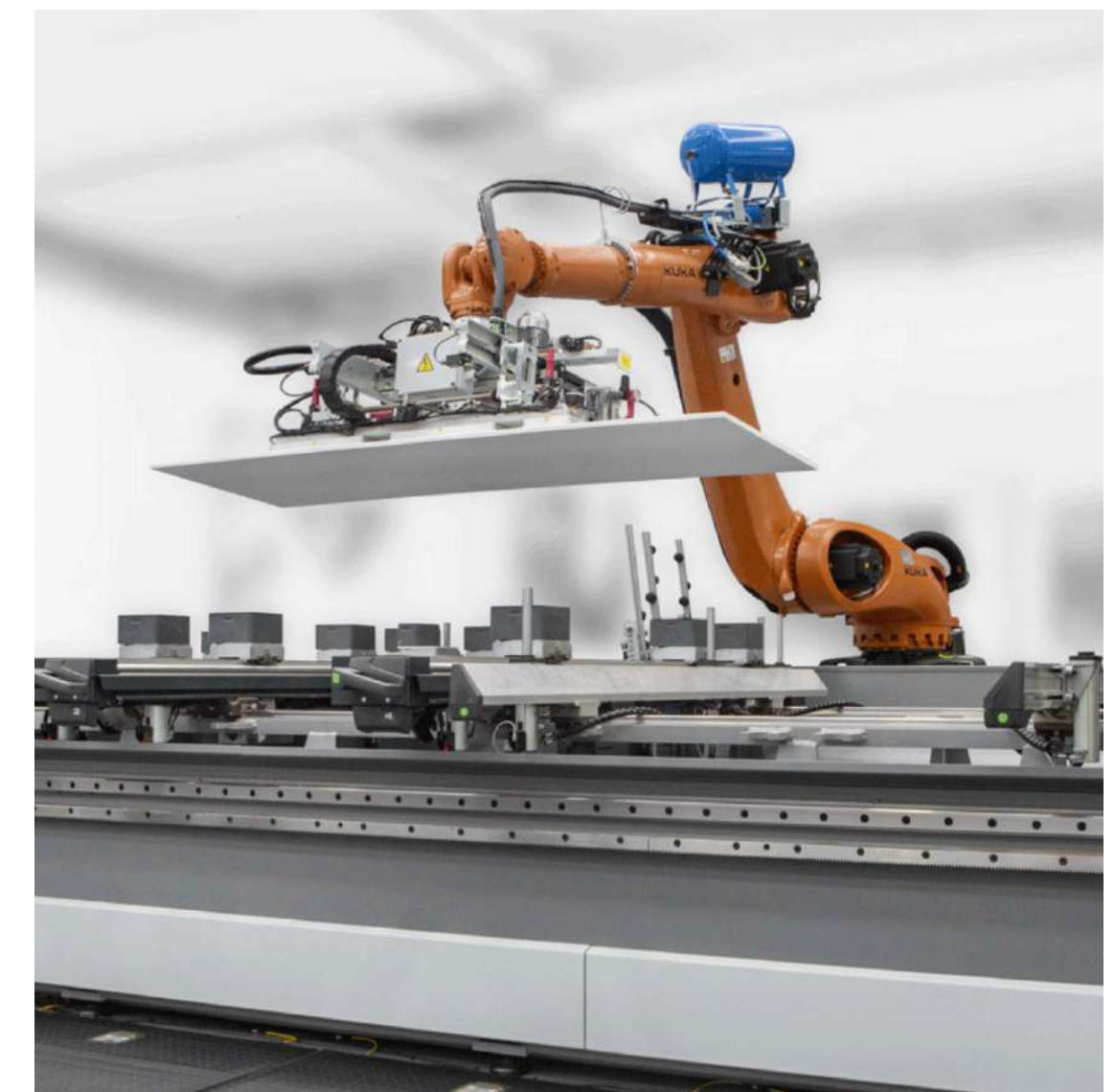
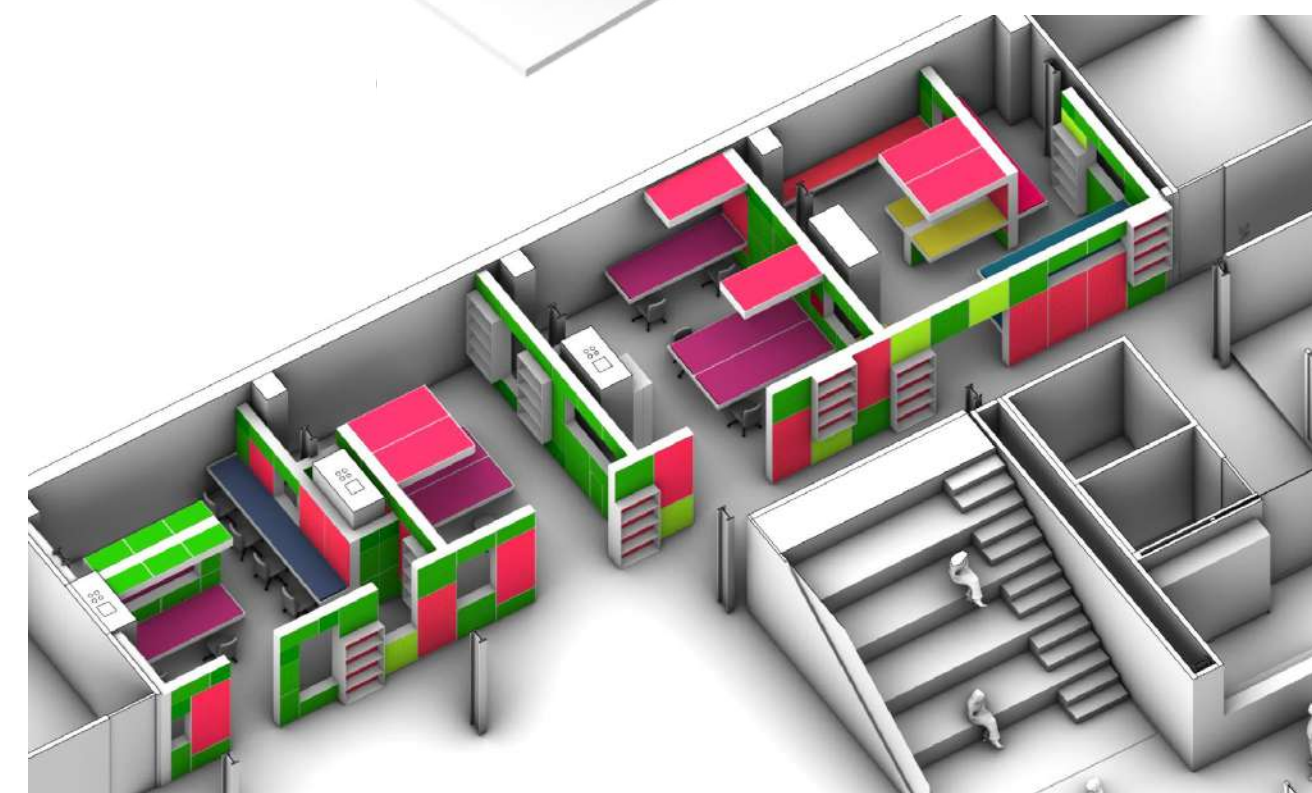
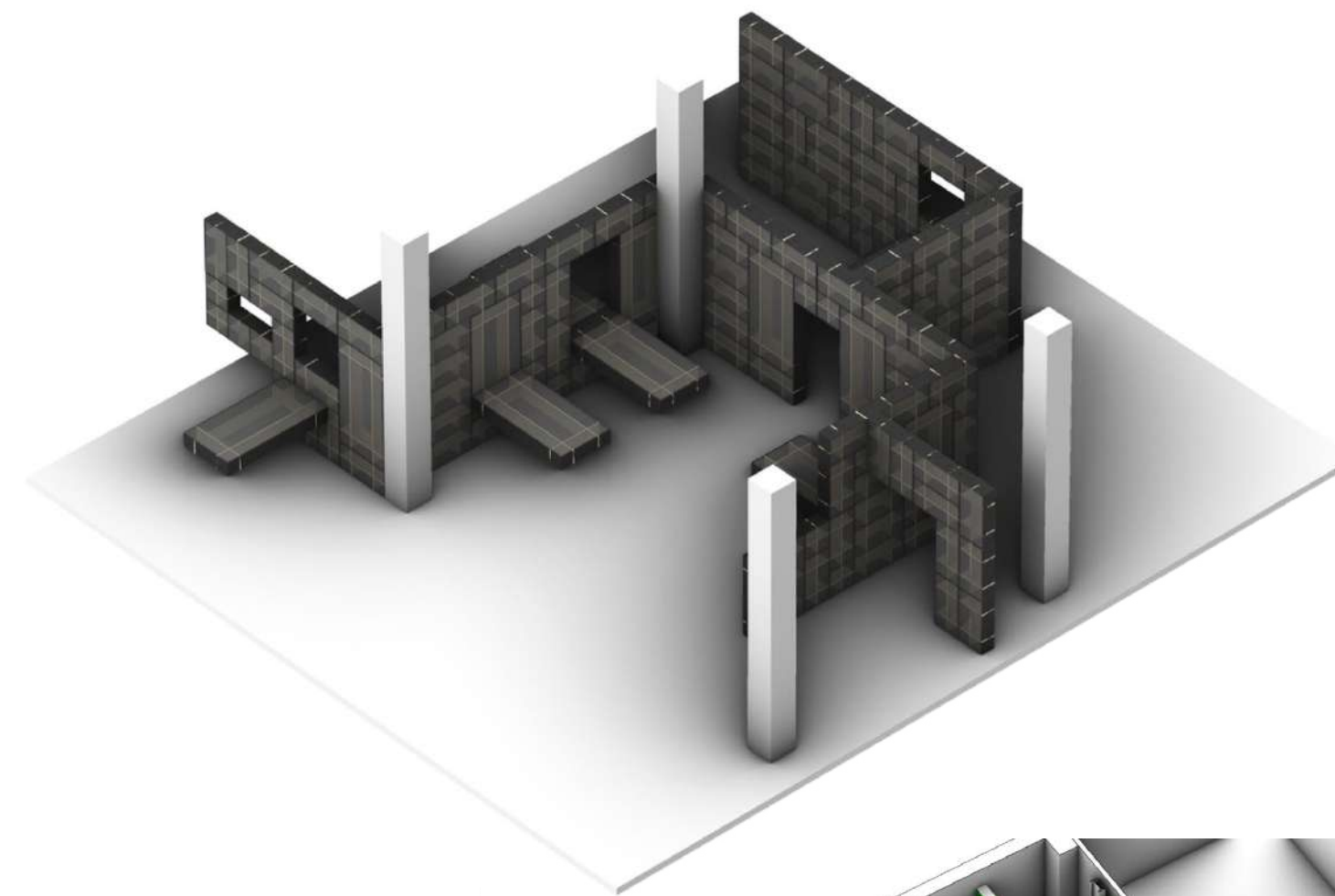
A project by:



MATEREA

Automated building blocks is a physical and digital system based on **generative algorithms** which, thanks to a total integration of the design and manufacturing processes, optimize space design and module production times.

Through the **digital twin**, the system offers a direct connection with advanced and digital manufacturing tools, enabling **custom and on-demand production** that reduces manufacturing times, overproduction and waste.



Common spaces and services

1/2

CoFactory was designed with the aim of promoting **hospitality**, **collaboration** and comfort for companies and its residents.

The following are included in the use of the spaces:



sockets



free wifi



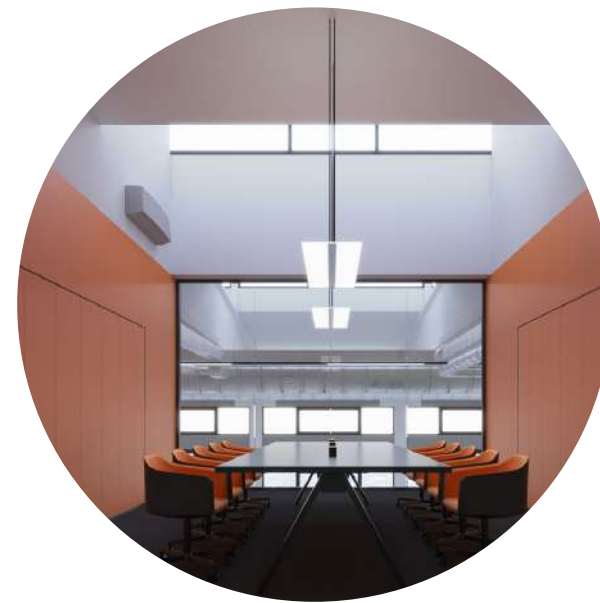
unlimited
water



Common spaces and services 2/2

Booking one or more workstations, the use of offices or laboratories, allow **access to a vast range of services** and shared spaces. Among these, an assembly area dedicated to finalizing the project and a shooting area where visual content can be produced.

CoFactory is also a place for **holding events**: on the ground floor there is a stage that hosts pitches, keynotes, talks and more.



Meeting rooms



Kitchen



Reception



Theatre



Assembly area



Shooting area



2 Warehouses

- 1 warehouse for consumable products
- 1 warehouse for panels and raw materials

The digital platform

The Designtech app forms the **digital infrastructure** underlying our physical spaces.

The platform allows the **effective management** of spaces, direct **interaction** with the Designtech community and the **optimization** of open innovation and venture development activities through our efficient and codified diligence processes.

FUNCTIONS

 Space management

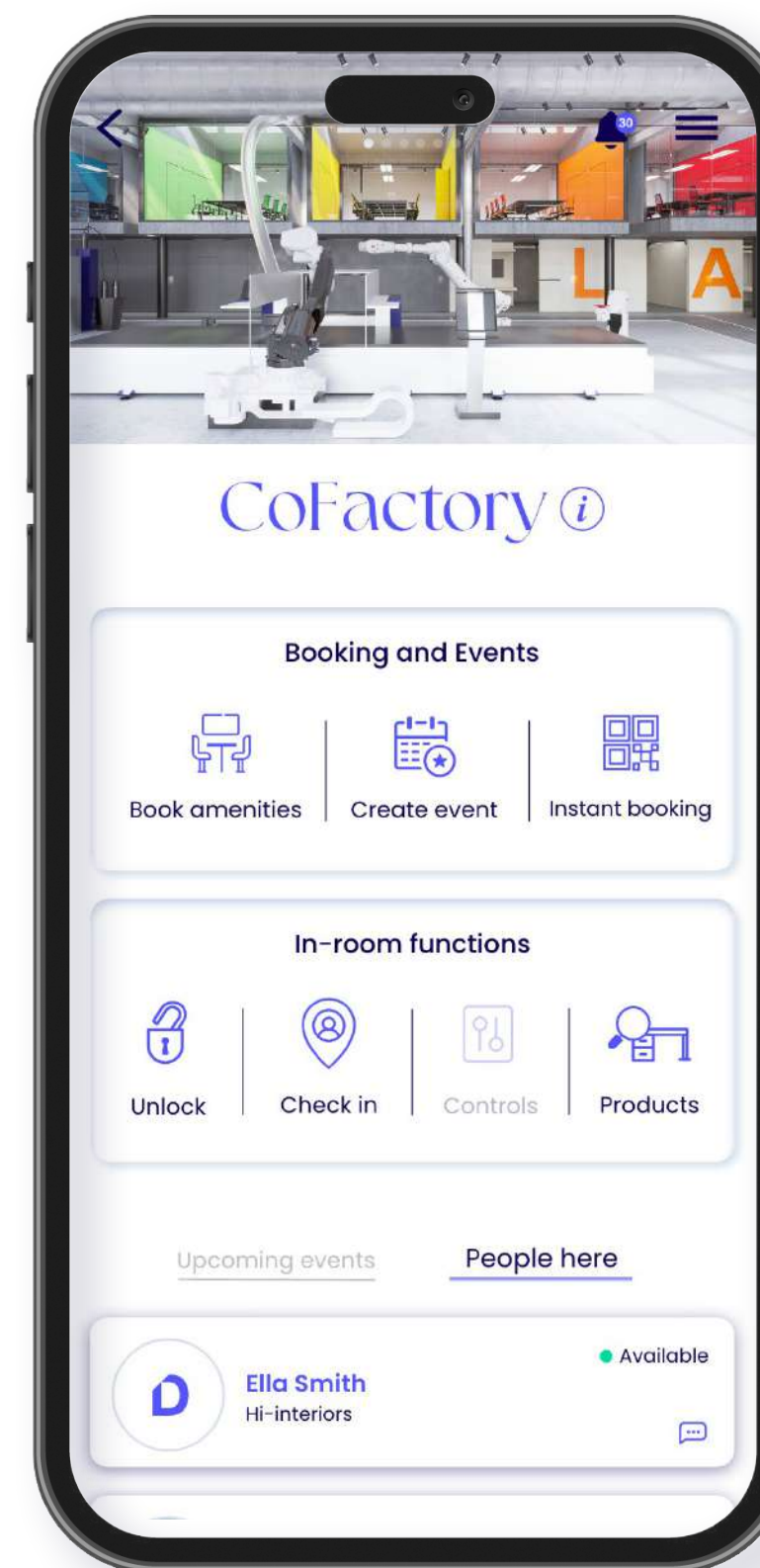
 Innovation Management

 Product Placement

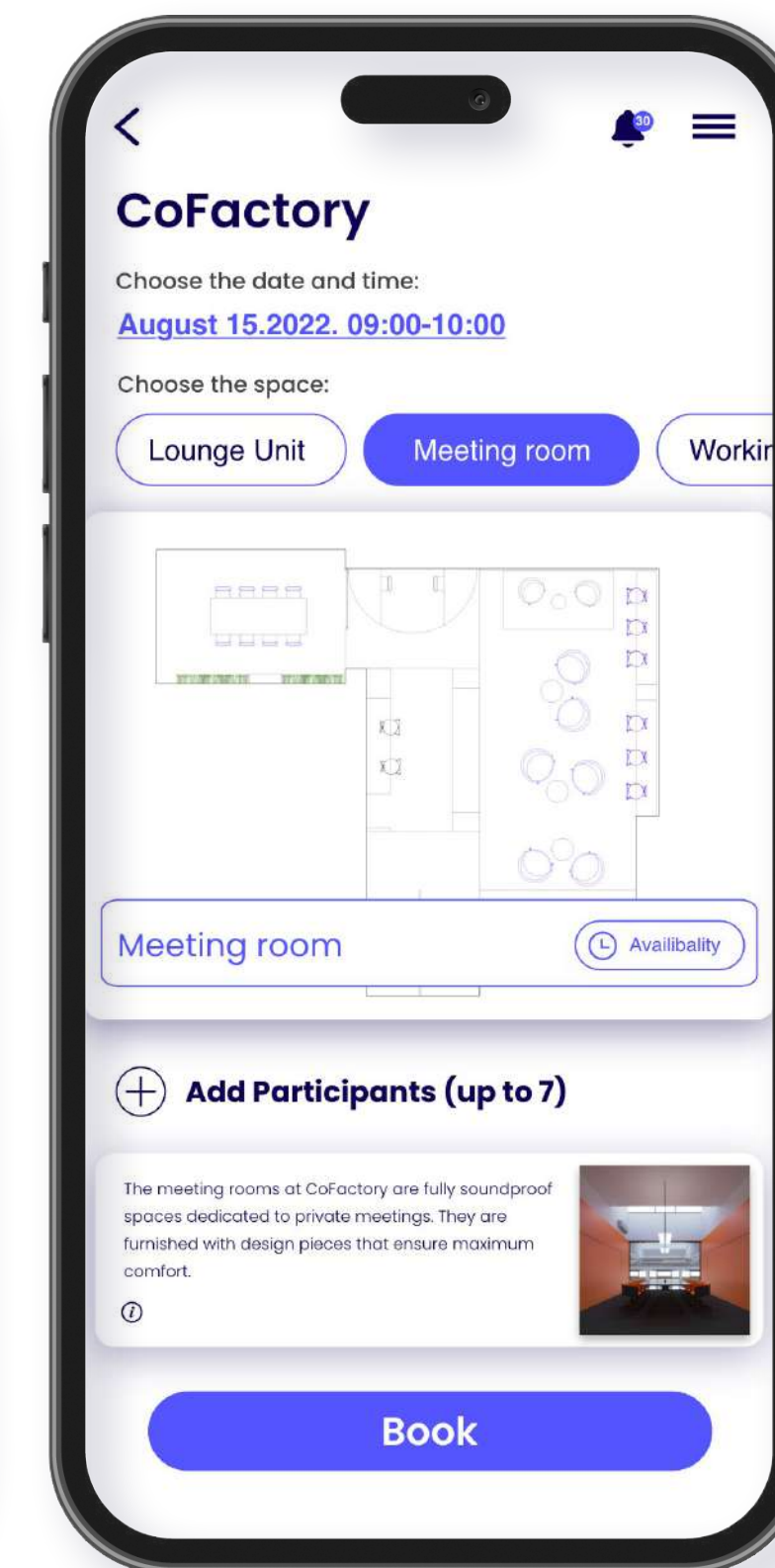
 Cloud Manufacturing

 Community Management

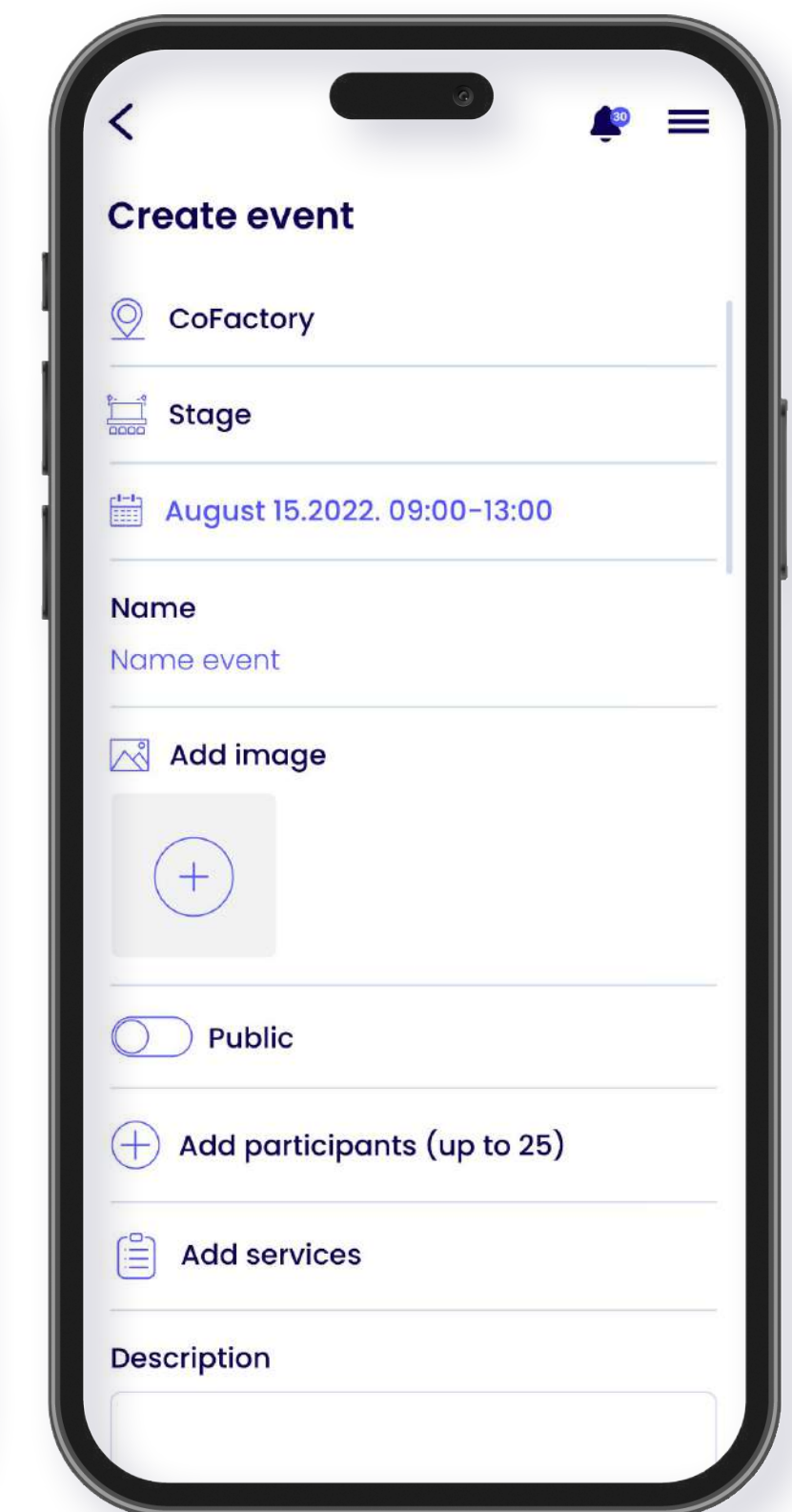
 Diligence Processes



HOME



BOOK THE SPACE



CREATE YOUR EVENT

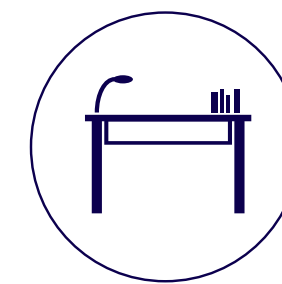
Benefit 1/2

Well being



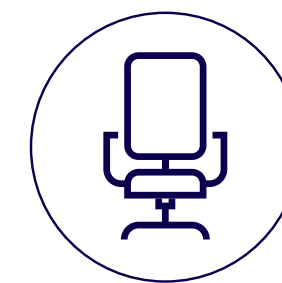
Quality light

High-quality smart lighting that promotes productivity and reduces eye strain.



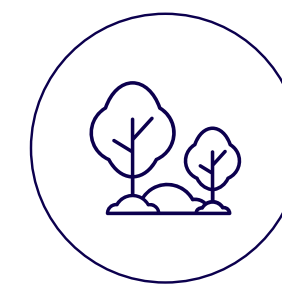
Adjustable tables

Height-adjustable tables for personalized comfort that promotes postural health.



Ergonomic workstations

Ergonomic seats to prevent tiredness and reduce the risk of musculoskeletal disorders.

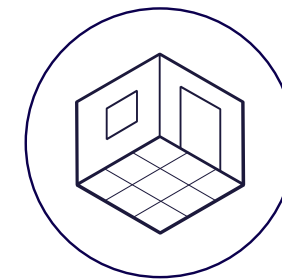


Open air spaces

Access to the external courtyard for outdoor and lunch breaks.

Benefit 2/2

Additional services



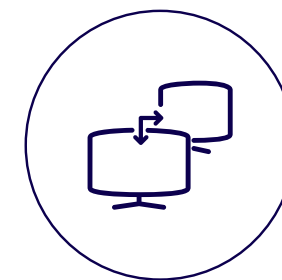
Custom made spaces

Adaptable spaces to the specific needs of each resident.



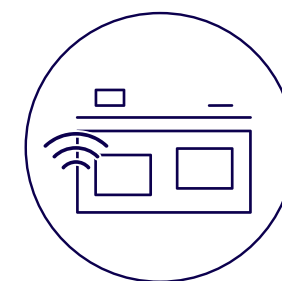
Concierge support

A concierge available to guarantee an optimal and personalized experience.



Screen sharing systems

Quickly share screen content, optimizing collaboration and presentations.



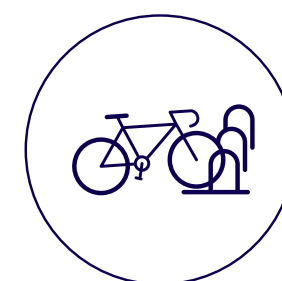
Smart kitchen

An equipped shared kitchen that encourages interaction and promotes a sense of community.



Car parking

Dedicated offices' residents are entitled to use 1 car park.



Parking for bikes and scooters

Dedicated area in the courtyard of the structure.

The advantages of joining CoFactory



Become part of
our **COMMUNITY** of
innovators



Participate in the
OPEN INNOVATION
paths organized by
Designtech

Community

The use of CoFactory spaces and services implies the involvement in the creative and innovative **ecosystem** of Designtech, which opens up multiple **opportunities for collaboration** and development.

CoFactory represents a dynamic and stimulating environment that encourages meetings with **designers, startups and industry professionals** to build meaningful relationships and contribute to the flow of inspiration and professional growth.

The added value of being part of this community also lies in the possibility of **attending to events** that encourage continuous training and updating on the latest trends in the field.



Innovation services

The Open Innovation Labs

Designtech organizes open and shared innovation paths, called Labs, with the aim of stimulating the genesis of new use cases enabled by transformative technologies and guiding the **creation of PoC** (Proof of Concept) that can transform the design industry.

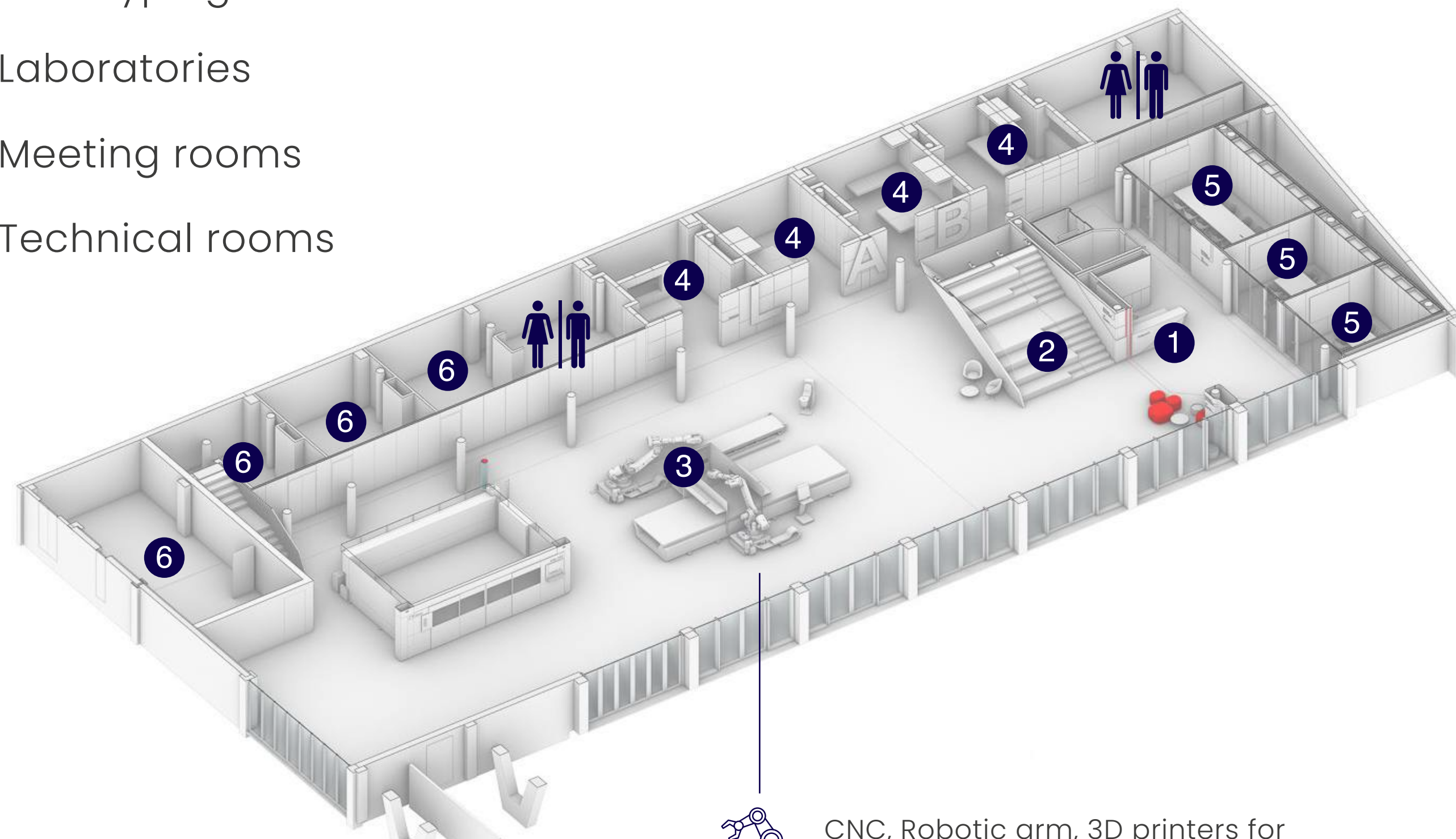
CoFactory is the landing place for PoCs and, thanks to its advanced technological equipment, guarantees the **final realization** of the projects.

Accessing CoFactory spaces and becoming a resident opens up the chance of **taking part in the Open Innovation Labs** promoted by the hub and developing new innovative solutions.



Layout

- ① Reception
- ② Staircase/event space
- ③ Prototyping area
- ④ Laboratories
- ⑤ Meeting rooms
- ⑥ Technical rooms



CNC, Robotic arm, 3D printers for large and small formats

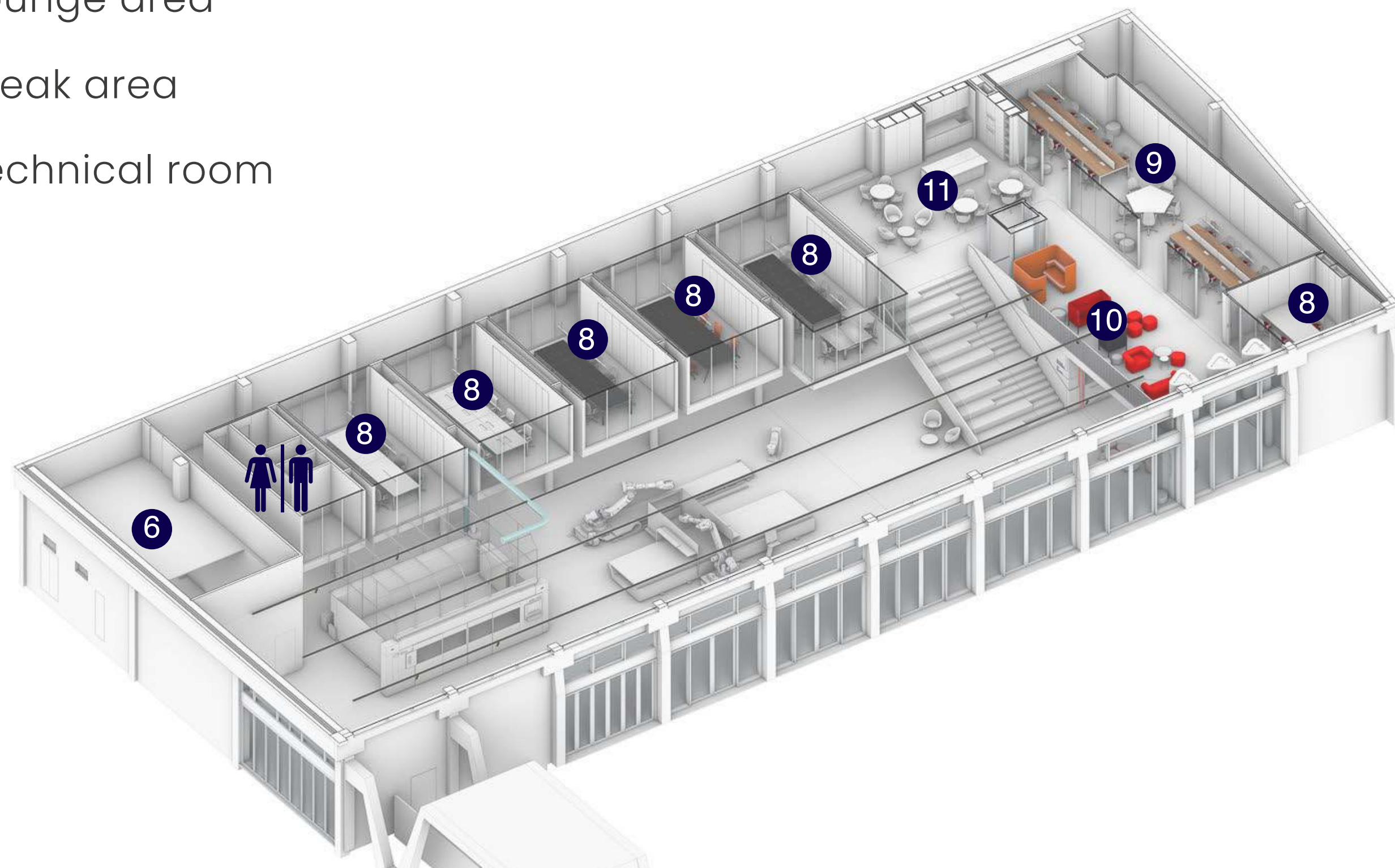
Ground floor

First floor



Layout

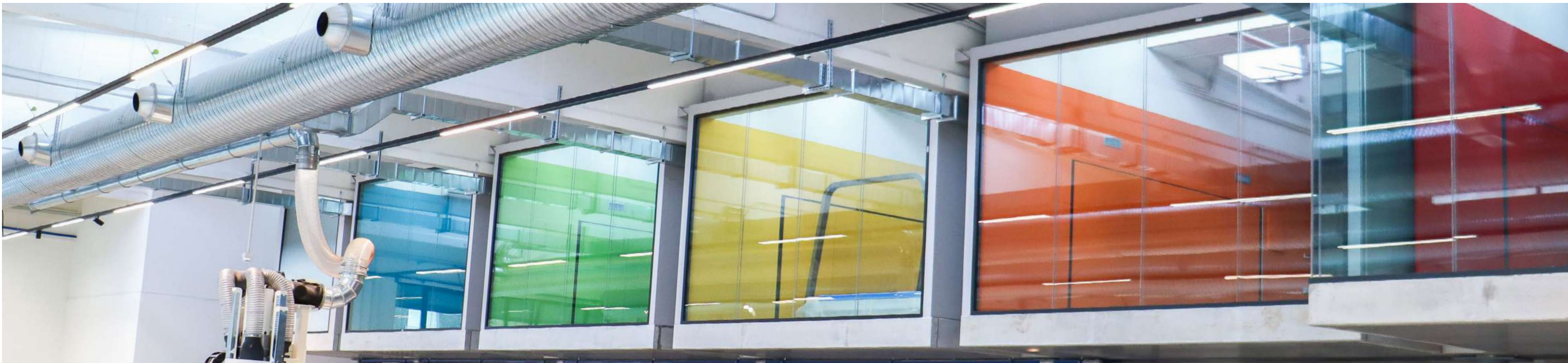
- ⑧ Offices
- ⑨ Coworking space
- ⑩ Lounge area
- ⑪ Break area
- ⑥ Technical room



Ground floor

First floor





	Lab	Coworking	Grey office	Blue office	Green office	Yellow office	Orange office	Red office
SQM	25	–	18	28	28	28	28	35
SERVICE	Workstations with operative seats, cabinet, workbench (possibility of adding machinery)	Dedicated workstations in the coworking area with operative seat	Workstations with operative seats, cabinet, smart lighting	Workstations with operative seats, cabinet, smart lighting	Workstations with operative seats, cabinet, smart lighting	Workstations with operative seats, cabinet, smart lighting	Workstations with operative seats, cabinet, smart lighting	Workstations with operative seats, cabinet, smart lighting
MEETING ROOM USE*	6 hrs/month	1,5 hrs/month	3 hrs/month	6 hrs/month	6 hrs/month	6 hrs/month	6 hrs/month	8 hrs/month
RESIDENCESHIP	€5,000.00 + VAT/month	€400.00 + VAT/month	€3,000.00 + VAT/month	€5,000.00 + VAT/month	€5,000.00 + VAT/month	€5,000.00 + VAT/month	€5,000.00 + VAT/month	€7,000.00 + VAT/month
MINIMUM PERMANENCE	12 months	3 months	6 months	6 months	6 months	6 months	6 months	6 months
SIZE	8 people	–	5 people	8-10 people	8-10 people	8-10 people	8-10 people	10-12 people

*hours per month included in the rental fee; when the monthly credits have been used, extra hours will be invoiced at the end of the month.

For further information
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