mods

BUILDING THE FUTURE

MODULAR SYSTEMS

dstgroup

index:

New ways of designing and building,
the same way of living.

mods systems
Our mods pods
mods Processes

mods systems

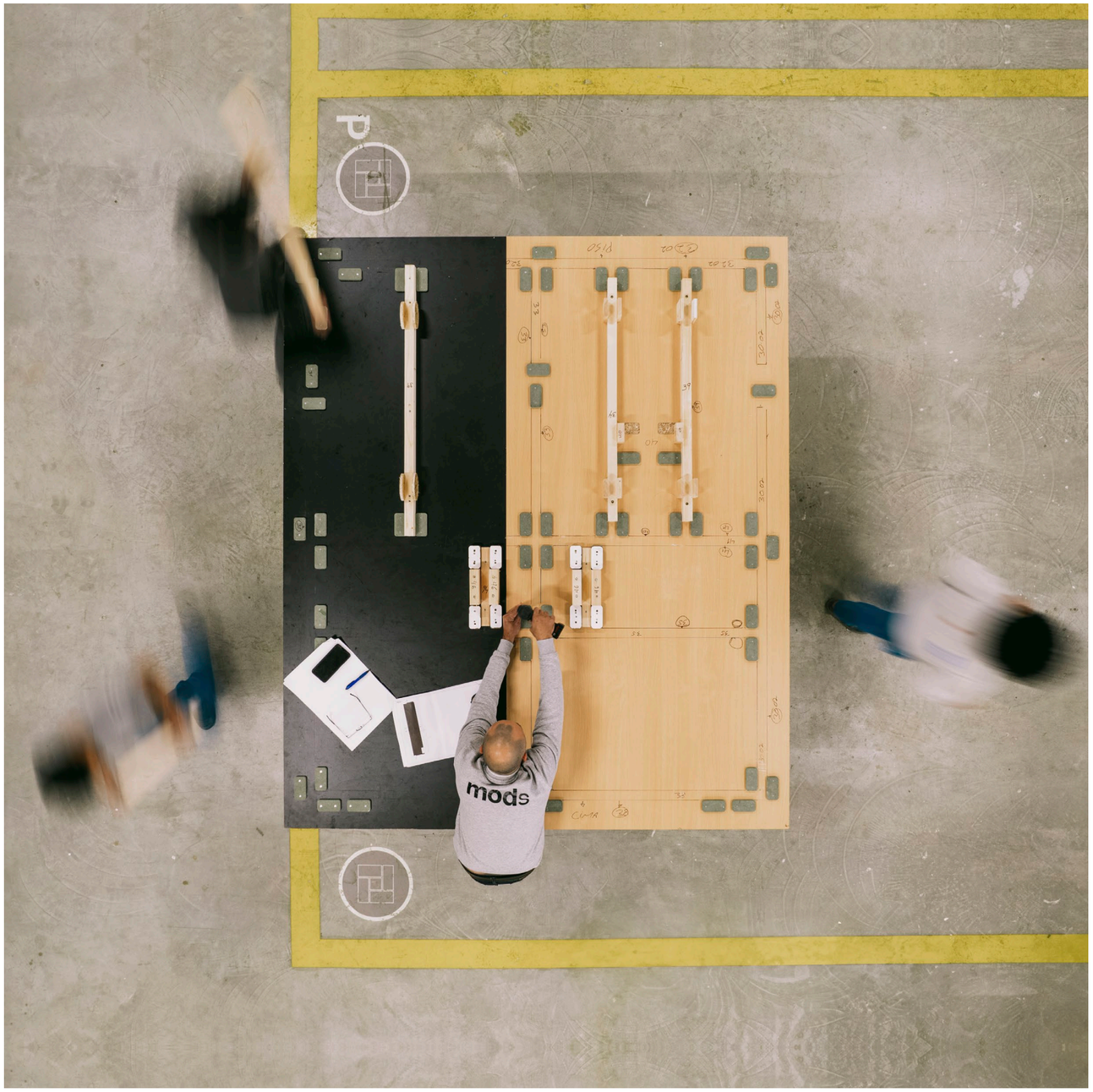
At mods, we position ourselves at the forefront of the construction revolution. Thinking about the future of construction means thinking about industrialised construction.
Through this construction process, we are able not only to promote safer and more efficient solutions but also more sustainable ones.

In a constantly changing world, where the need for faster and more efficient solutions is ever-growing, mods stands out as a company committed to meeting these challenges by offering innovation and excellence in every project.

Alongside architecture, we provide sophisticated and responsible modular construction solutions that meet each client's requirements.

At mods, we have developed a flexible, eco-friendly, and industrialised modular system capable of delivering and developing the best solutions, tailored to the needs of each project.

In partnership with renowned architects and driven by a passion for creatively reinventing spaces, our specialised teams work towards meticulously customised modular construction solutions.



We deliver projects more swiftly than in traditional construction, while maintaining the standards of excellence and the requirements that our clients deserve.
Each project is an expression of innovation, designed and manufactured to the highest quality standards.

Drawing inspiration from the automotive industry, our process focuses on optimising the value stream and seeks activities that streamline and eliminate all types of waste associated with the production of pods, enabling rapid and efficient construction, always with a commitment to quality and aesthetic appeal.

Our production systems are equipped with cuttingedge technology dedicated to efficiency and are 100% committed to the planet.

Our vision is to lead the revolution in construction, making modular construction the preferred choice worldwide. We aim to be recognised as pioneers in competitive, sustainable, efficient, and high-quality construction solutions.

Our mission is to deliver solutions that exceed our clients' expectations while minimising environmental impact.

We are committed to building, module by module, a new reality based on the perfect symbiosis between our expertise and the client's options.

We are revolutionising the construction industry: the future of construction is industrialised, efficient, and sustainable, and it is this future that we are creating together.

The future is now!

Our mods pods

Base

The mods pods are built on a base that adapts to the specific dimensions or application, and are available in a variety of sustainable materials such as wood, steel, or concrete.

Structure

The pod's chassis is available in different materials, such as timber profiles or LSF (Light Steel Frame) profiles, offering a harmonious blend of style and functionality while ensuring a solid foundation for a sustainable structure.

Infrastructure

The pod is equipped with a variety of infrastructures that ensure a functional and precise connection between the electrical, waste, and water supply systems at the location where the model will be integrated.

Cladding

The cladding that surrounds the pod structure is available in a variety of sustainable materials tailored to specific applications.

For simpler finishes, we offer two options: varnished treated wood and painted drywall with plasterboard. For more sophisticated finishes, we provide a choice between tiles and vinyl panels.

Accessories

The range of accessories that equip the pod ensures a perfect connection between functionality and aesthetics, providing a wide array of combinations suitable for the environment in which the model will be integrated.

It all starts with design! At mods, our commitment to innovation and excellence extends beyond just construction.

Our projects are created based on the principles of Eco Design, which indefinitely extends the value of the products, and DFMA (Design for Manufacturing and Assembly), through the continuous improvement of production processes in all their variables.

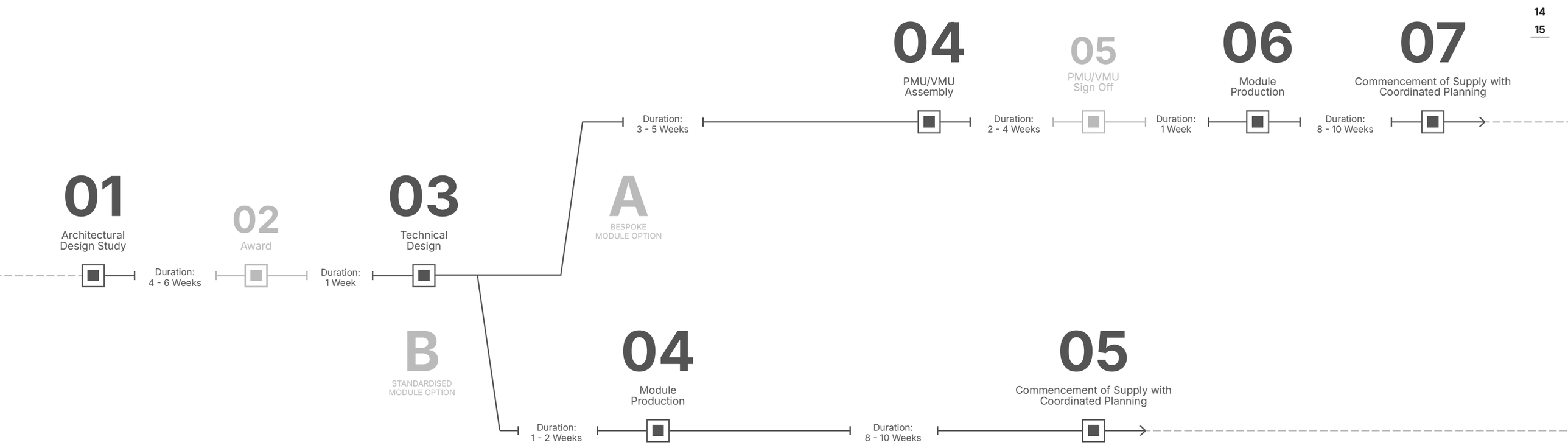
The design and preparation phase are crucial to ensuring that all processes remain continuous and efficient during the production and assembly stages.

Through a detailed 3D model in a BIM environment, we ensure the precise definition of each component, guaranteeing quality control and reducing waste at all stages of the project and production.

From the design phase to the preparation and quantification of the materials needed for production, each step is meticulously studied to ensure efficiency and accuracy.

Our goal is to ensure that the pods are delivered to the construction site according to the planning objectives, without delays, errors, or unforeseen issues.

The process



Use:
The times shown in the diagram are estimated times.

S

M

L

Typologies:

The "mods typologies" are classified according to a set of dimensions that adapt to various functional programmes.

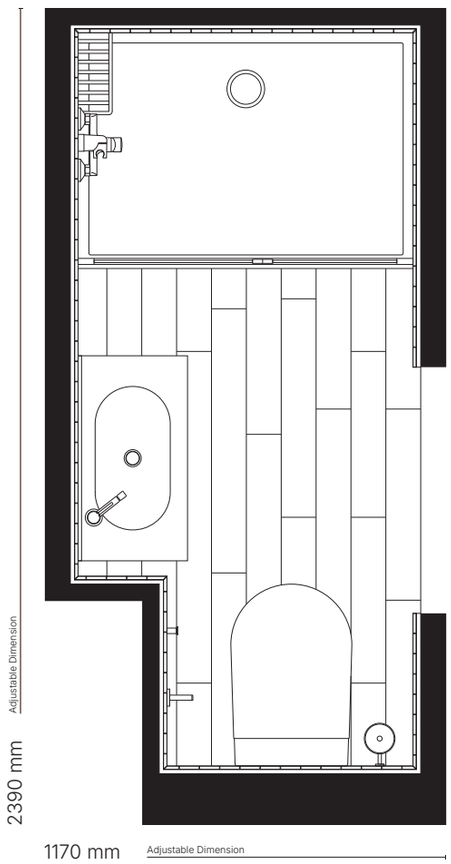
S001

The S001 model is a small bathroom designed to meet the needs of a small group of students.

Pod Installed at the Student Residence Building, Lumiar, Lisboa.
Designed by Architect António Labrincha, PGA Architects.

Adjustable
Dimensions

Scale 1:20


2390 mm
Adjustable Dimension
1170 mm
Adjustable Dimension

Specifications

1 Reinforced Concrete Slab
2390 × 1170 × 70 mm

2 Walls & Ceilings Built Using
Metal Profiles

3 WC Flooring in Classic Oak
Globaldis Vinyl, RioClic SPC

4 WC walls and ceiling in plaster
cardboard lined with mosaic
CINCA, white 300 × 300 mm

5 Valadares Shower Tray,
Aris 1000 × 700 × 45 mm

6 Wall-hung toilet Valadares,
Opus 500 × 350 × 360 mm

7 Erix Control Board, Square

8 CTESI shower screen,
Folia 1 folding door
1950 × 985 × 20 mm

9 Two-door furniture with
washbasin 610 × 900 × 350 mm

10 Rectangular Mirror
1100 × 600 mm

11 Single Lever Washbasin Mixer
MCT, Acur

12 Single lever shower mixer with
MCT shower, Acur

13 JNF Wall Hanger

14 JNF Roll Holder

15 JNF Wall-mounted
soap dish, Fine

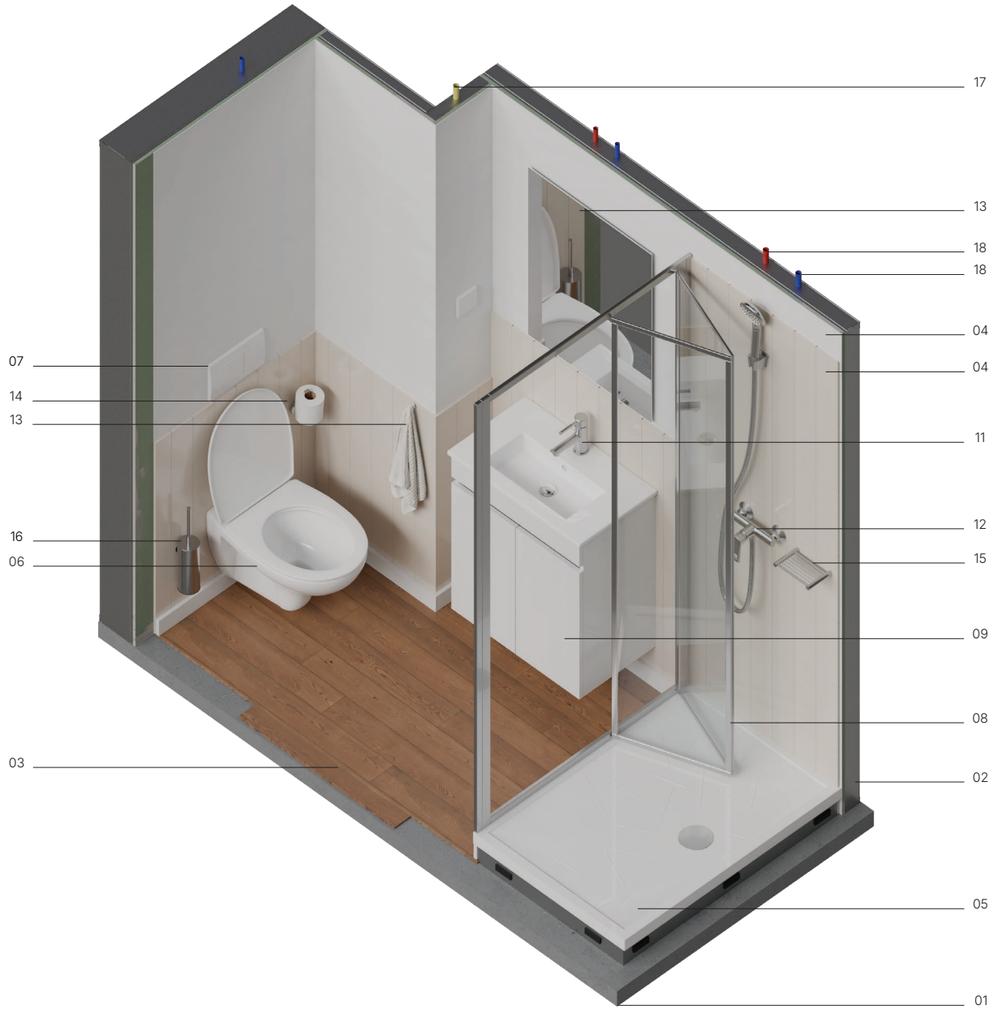
16 Toilet Brush Holder JNF, Fine

17 Electrical Grid

18 Hydraulic Network

Customisation

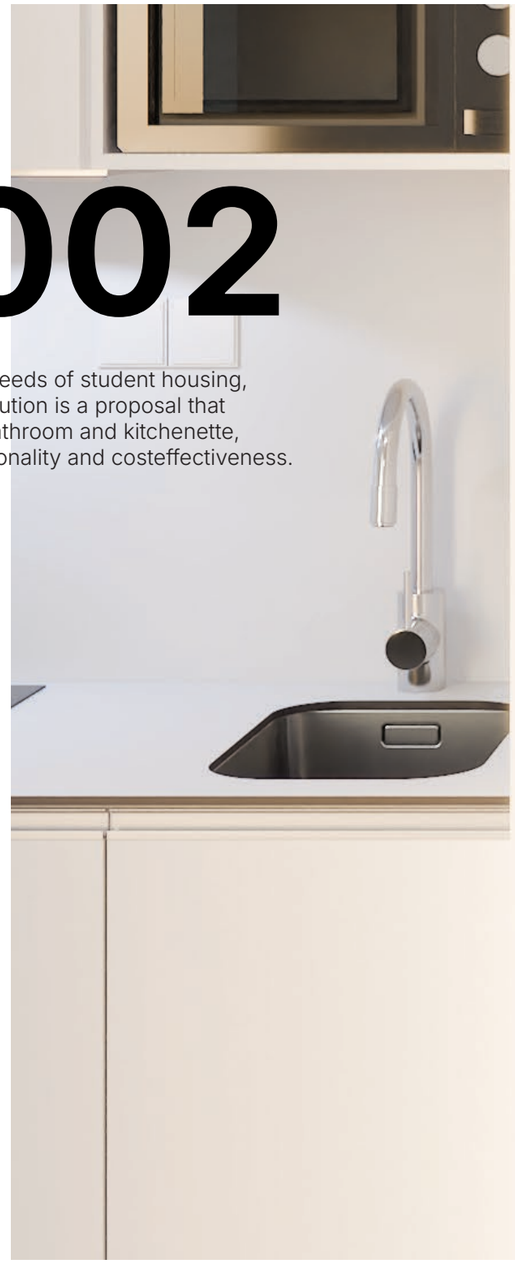
Floor covering;
Wall covering;
Sanitary equipment and fixtures;
Accessories.



*Presentation Suggestion

S002

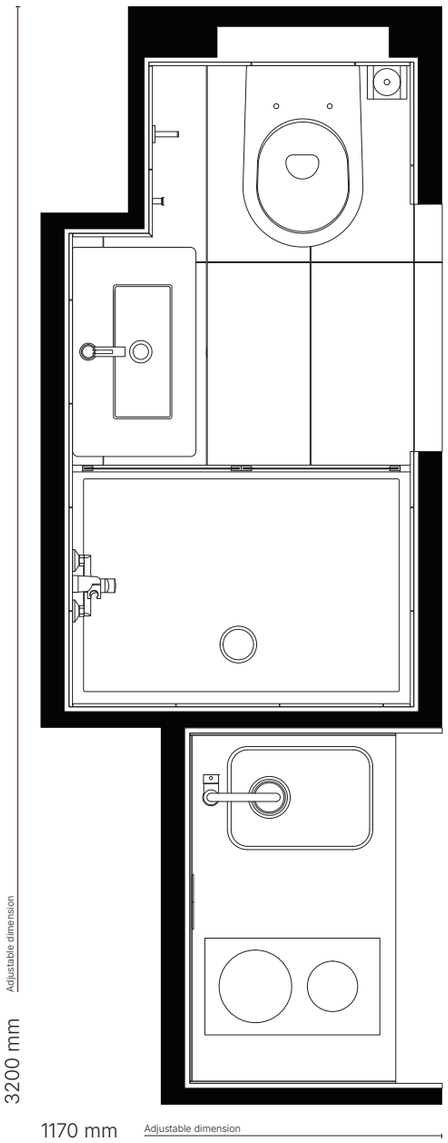
Adapting to the needs of student housing, the S002 pod solution is a proposal that incorporates a bathroom and kitchenette, combining functionality and costeffectiveness.



Pod Installed at the Student Residence Building, Lumiar, Lisboa.
Designed by Architect António Labrincha, PGA Architects.

Adjustable
dimensions

Scale 1:20


3200 mm
Adjustable dimension
1170 mm
Adjustable dimension

Specifications

1 Reinforced concrete slab base
3200 × 1170 × 70 mm

2 Walls and ceiling in
metallic profiles

3 Bathroom floor covered with
mosaic Revigres Urban,
Fog 300 × 600 mm

4 WC walls and ceiling in plaster
cardboard coated with mosaic
Cinca, 300 × 300 mm

5 Walls Kitchenette in plasterboard
white color

6 Valadares Shower Base,
Aris 1000 × 700 × 45 mm

7 Valadares floor-standing toilet,
Opus 350 × 530 × 395 mm

8 Valadares Control Board, Square

9 Profiltek shower screen,
Duna 2 folding sheets
1950 × 930 × 20 mm

10 Two-door furniture with
washbasin 610 × 900 × 360 mm

11 Rectangular Mirror
770 × 570 × 20 mm

12 Single Lever Basin Mixer MCT,
Grus Acur

13 Single lever shower mixer with
MCT shower, Grus Acur

14 JNF Wall Hanger

15 JNF Roll Holder

16 JNF wall-mounted soap dish,
Fine

17 Toilet Brush Holder JNF, Fine

18 Two-door counter covered with
thermolaminated panel HPL
Polyrey white color
700 × 1020 × 590 mm

19 Two-door storage cabinet
covered in HPL Polyrey
thermolaminated panel,
white in color
700 × 1020 × 400 mm

20 Teka Dishwasher stainless steel
433 × 307 mm

21 Single-control Banca Bica
High MCT, Crane Aquarius

22 Candy Microwave
CMG20TNMB

23 Extractor Candy CBG6250/1X

24 Candy Induction Hob
CID/30/G3

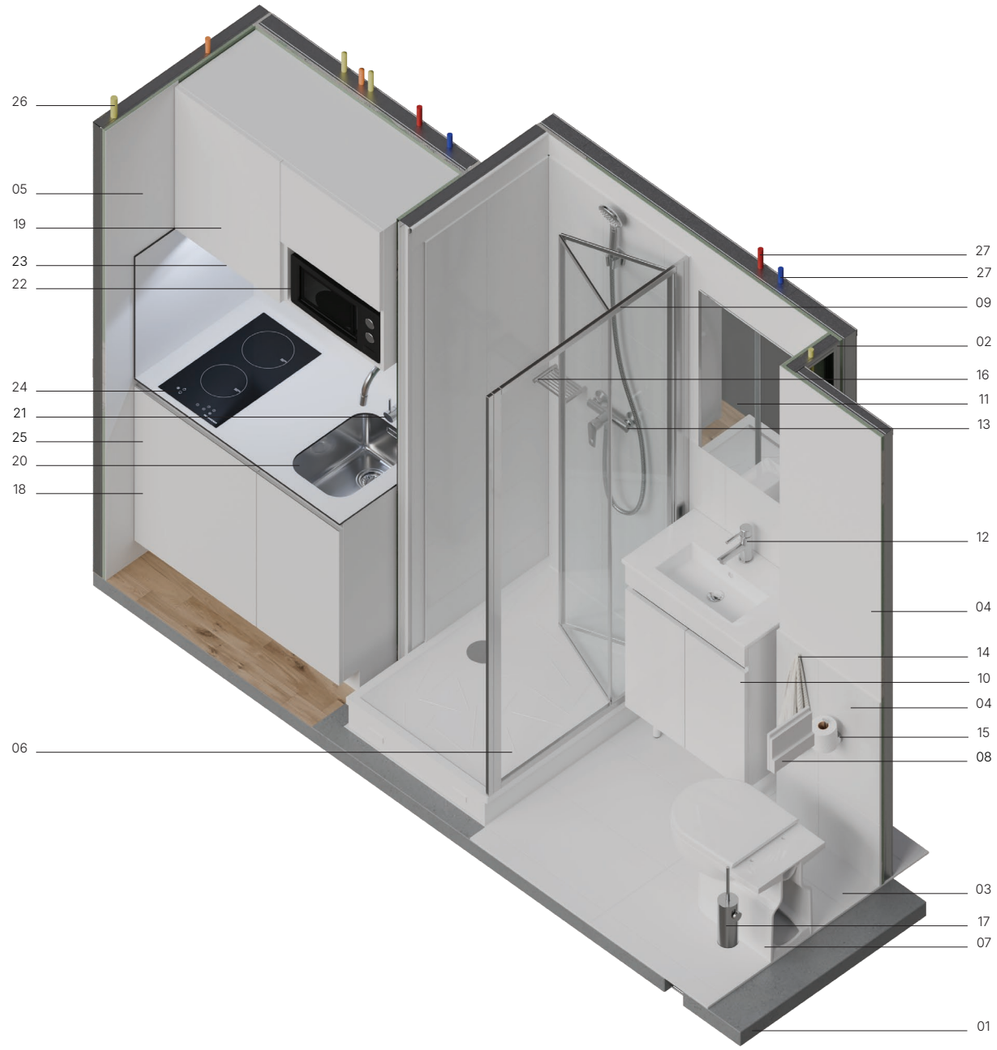
25 Candy Cru Refrigerator
164 NE/N

26 Electrical Network

27 Hydraulic Network

Customisation

Floor covering;
Wall covering;
Sanitary equipment and fixtures;
Accessories.



*Presentation Suggestion

VI

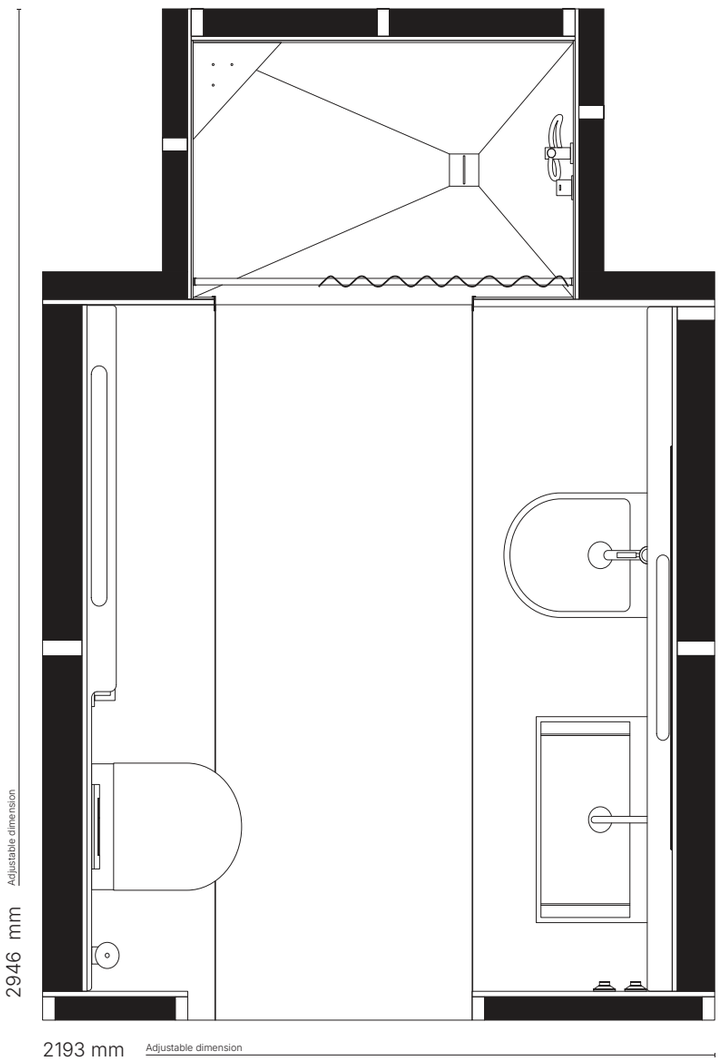
M001

The M001 Module, being a fully equipped bathroom model, presents itself as a versatile solution capable of integrating different types of family housing.

Pod installed at the Affordable House Building in Marvila, Vale Formoso, Lisboa.
Designed by Architect Inês Lobo.

Adjustable
dimensions

Scale 1:20


2946 mm
Adjustable dimension
2193 mm
Adjustable dimension

Specifications

1 Base in wooden profiles red cone and panel OSB 22 mm

2 Shower walls in profiles red bark wood and 12 mm OSB panel

3 General walls in profiles red bark wood and 16 mm Trilayer panel

4 Floor with coating Rocko Wall Tiles, cor branca

5 Shower walls with Rocko Wall Tiles, white color

6 General walls covered with “MV” acrylic varnish, white color

7 Washbasin Erix, Slab 1220 × 744 × 25 mm

8 Sanita Suspense CIFIAL, A2 531 × 360 × 344 mm

9 Geberit control board, Delta 51

10 CIFIAL Suspended Bidet, A2 533 × 363 × 292 mm

11 Valadares Wall-Mounted Washbasin, Aviz 600 × 400 × 100 mm

12 Rectangular Mirror 1174 X 1092 mm

13 JNF extendable shower enclosure with curtain

14 Single Lever Washbasin HAPA, ALT

15 Single-control set and HAPA Hand Shower, ALT

16 HAPA Bidet Single Lever, ALT

17 JNF Roll Holder

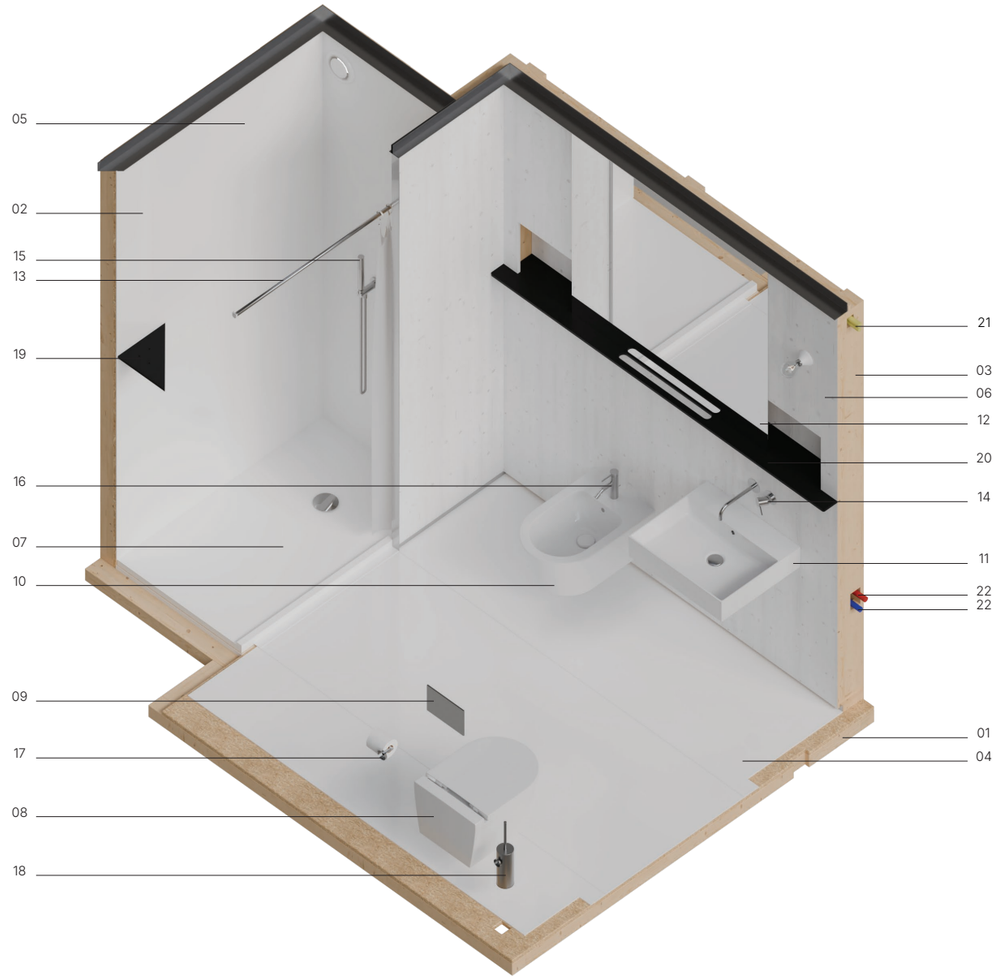
18 Toilet Brush Holder JNF, Fine

19 Phenolic shower shelf 12 mm

20 Shelf with towel rail phenolic 12 mm

21 Electrical Grid

22 Hydraulic Network



Customisation

Floor covering;
Wall covering;
Sanitary equipment and fixtures;
Accessories.

*Presentation Suggestion

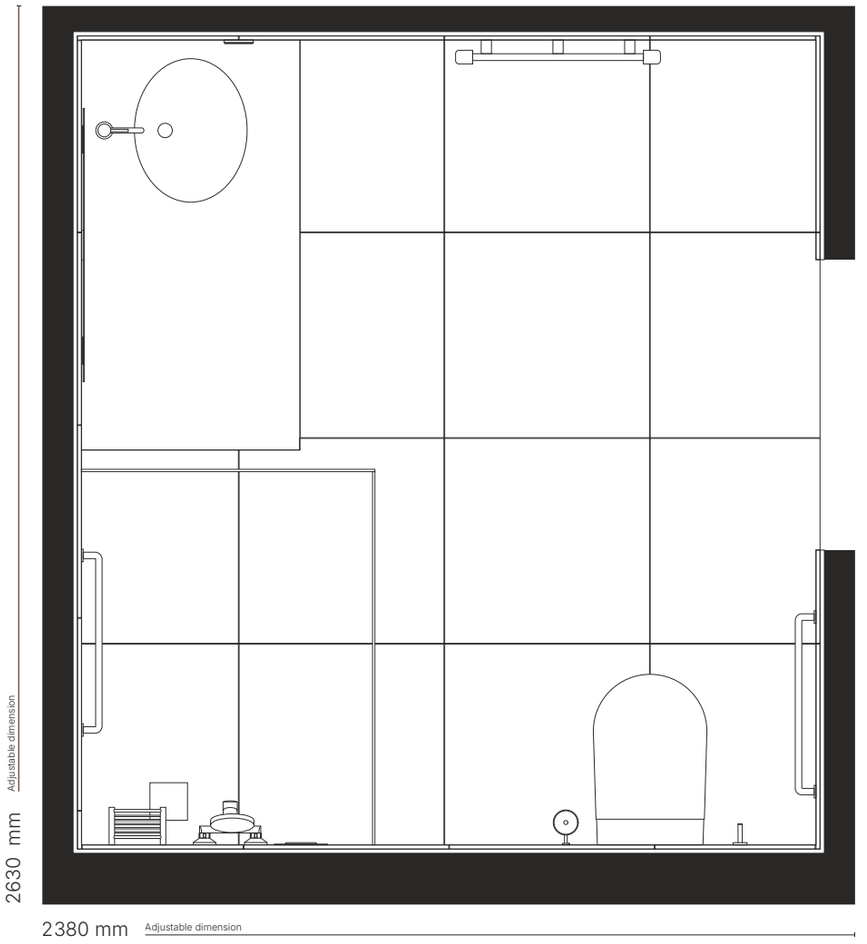
L001

Designed for senior residences, Model L001 is a spacious module equipped with a set of features that guarantee safe movement and facilitate its use.

Pod designed for the Senior Residence Building in Barão Forrester, Porto.
Designed by the Architect António Labrincha, PGA Architects.

Adjustable
dimensions

Scale 1:20


2630 mm
Adjustable dimension
2380 mm
Adjustable dimension

Specifications

1 Base in metal profiles with 22 mm OSB panel

2 Walls and ceiling in metal profiles with plasterboard panel

3 Floor with coating Revigres, Calacatta Oro 600 × 600 × 8 mm

4 White walls and ceiling with porcelain coating Revigres, Calacatta 600 × 300 × 8 mm

5 Wall-hung toilet Valadares, Opus 500 × 350 × 360 mm

6 Erix Control Board, Square

7 Dukes Divider, Deva 900 × 1182 × 1950 mm

8 Gotflow Vanity Unit with Washbasin Roble Kendal, Egger 1200 × 600 × 900 mm

9 Electric towel dryer, Baxi

10 Mirror with lighting Italbox, Retro 1000 × 800 mm

11 MCT Single Lever Washbasin Mixer, Gravel Acur

12 Single-control set and MCT Hand Shower, Grus Acur

13 JNF Roll Holder

14 Toilet Brush Holder JNF, Fine

15 JNF Soap Dish

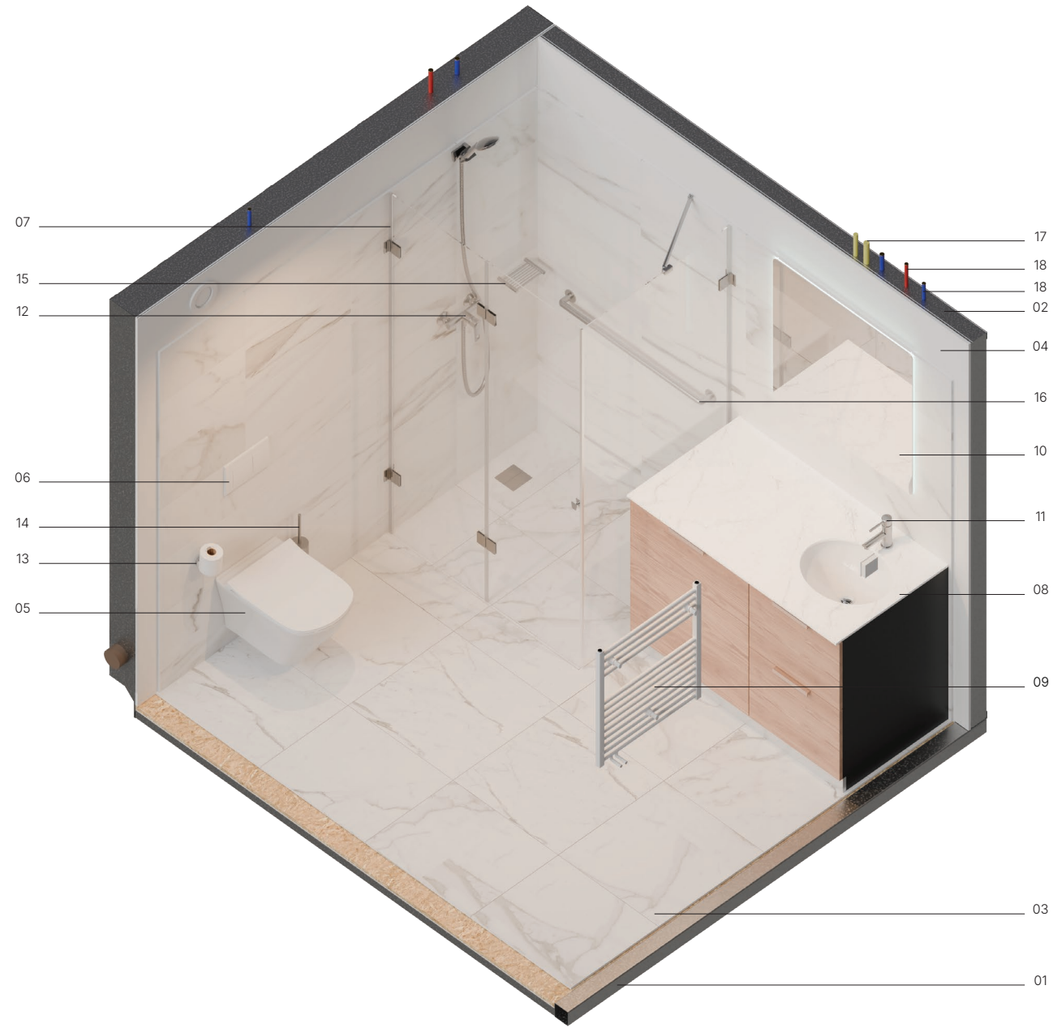
16 JNF support bars

17 Electrical Network

18 Hydraulic Network

Customisation

Floor covering;
Wall covering;
Sanitary equipment and fixtures;
Accessories.



*Presentation Suggestion

Logistics & installation

The mods pod delivery process continues our commitment to excellence, offering a fully personalised service that precisely meets the needs of each customer. We have a qualified team that ensures the correct packaging of the pods and we ensure the necessary equipment to deliver our products with the quality and safety that mods values.

1 Loading and transportation

Loading is done by the mods team, which has the ideal means for its execution. Transport, depending on the location and customer needs, is carried out by qualified carriers for that purpose.

2 Unloading and lifting

With the lifting equipment installed on site, the pods are unloaded and handled, ensuring the efficient execution of this stage. Depending on the client's needs, we provide specialized equipment as anadditional option that facilitates both the unloading and lifting of our pods, ensuring the safety and quality required for the entire process.

3 Cargo handling

The mods engineering team has developed a system that allows the module to be moved easily and efficiently.
If the client wishes, this system is available to the teams under their responsibility until the final positioning of the pod.

4 Leveling

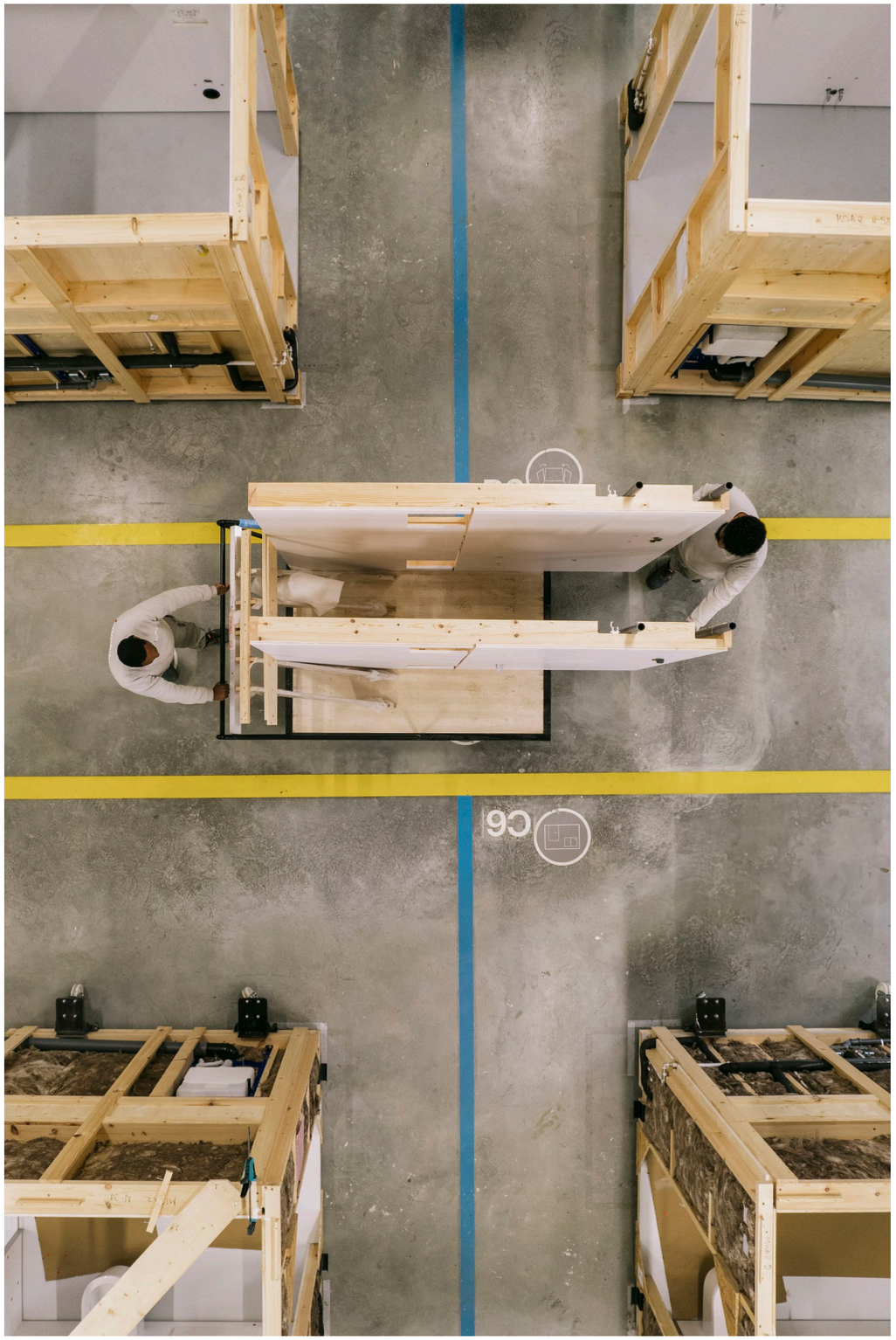
The positioning of the modules must meet the applicable technical conditions, ensuring the stability and adequate leveling of the product. It is the Customer's responsibility to ensure quality standards in accordance with the instructions determined by mods.

5 Quality control

mods guarantees strict quality control, through 100% inspection of each module, from the reception of the raw material to shipping.

Works not included:

- Connection work to the building's network, as well as well as the materials necessary for this purpose;
- Any and all elements projecting from the outer perimeter of the pod's layout, such as duct pipes and all connection accessories between the pod and the building's general networks.
  The connection to the building's network must take this assumption into account;
- Unloading and assembly to the final position as well as connection work to the existing network and respective accessories;
- Engineering and labour to assist in unloading and assembly process;



We build an efficient and sustainable future.

Prefabrication and investment

Quality

Looking to the future

Prefabrication and investment

“Time is the moving image of immobile eternity.”
Plato

The passage of time is something inexorable to the entire human condition, assuming a primordial relevance in the current times. Time is a valuable and irreversible resource and it is in the industry that we tend to see this idea most highlighted. Our pods are built in our facilities, in a controlled and industrial environment allowing us to obtain the following benefits:

1. **Predictability of costs and deadlines**
2. **Reduction of deadlines**
3. **Cost reduction**
4. Increased quality and durability
5. “First Mover” and market differentiation
6. Sustainability and efficiency

1 Cost reduction

Waste reduction;
Economy of scale;
Simplification of the purchasing process.

2 Reduction of deadlines

Faster return on investment;
Anticipates the profitability of constructed spaces;
Accelerates the cash flow process;
Reduction of financial and banking costs;
Reduction of installation times.

3 Predictability of costs and deadlines

Elimination of unexpected costs and budget overruns;
Provides confidence and security to the investor;
Allows for more rigorous planning of the investment plan by the investor;
Risk mitigation.

4 Increased quality and durability

High standard build quality;
Rigorous and multi-level quality control process;
Greater longevity and less need for future maintenance;
Continuous improvement process.

5 “First mover” and market differentiation

Competitive advantage over the competition;
Designation of innovation in the construction process.

6 Sustainability and efficiency

Better waste management;
Greater energy efficiency;
Less disruption to the work and its surroundings.

mods pods optimize a reduction up to:

50% production time
75% on-site management
75% after-sales
75% maintenance
70% waste

Quality

The success of a project is defined by the relationship between the way it is conceived, its execution and the achievement of the client's objectives and needs. Quality control ensures that everything progresses as expected.

Quality Control encompasses several phases and activities that are included in two major stages: Process Planning and Factory Production Control.

In Process Planning, quality control studies the needs through documents such as specifications, requirements, designed parts, identifying possible limitations and resources necessary for the good execution of the project.

The data collected allows the production process to be defined and work measurement and control methodologies, acceptance and rejection criteria, among others, to be selected. At the same time, an inspection and testing plan is drawn up for each of the pod's six production phases.

Manufacturing activities are carried out under controlled conditions, seeking to ensure the standardisation of production processes.

Once processes are consolidated and production begins, workers are responsible for ensuring product quality and detecting non-conformities. The supervisory bodies in each sector act as a second filter that acts during the production process.

Look at the Future

Build.

Over the past decades, we have been building. Others before us built homes, jobs, connections, health. We build everything around us, we build culture. It's a love affair. This great story was written and is always written with values in the heart.

This new chapter that we are starting to write with mods is the password for the revolution.

We will continue to build, but not without first deconstructing. paradigms like the shipyard, inhospitable, hard, far from home, less safe; or all construction, not smart, without quality controls, thermally and acoustically inefficient, hostile. These have been, until today, the traditions. Now, it is time to change them.

At the heart of mods is a commitment to sustainability.

We believe it is possible to build responsibly and minimize environmental impact. Our construction process prioritizes the optimization of the value flow and seeks activities that minimize waste, from the production of the pods to the moment of final assembly. We equip our production systems with cutting-edge technology, committed to efficiency and caring for the planet. At mods, we believe that everything starts with conscious design.

We focus our environmental concerns and social in all our processes. No material will be used in vain, and all will be chosen in order to increase the recyclability and durability of our solutions. All work generated will be, as they always were, doors wide open pair for the social elevator and for freedom.

mods' journey is an inspiring example of innovation and commitment to a sustainable future. By adopting BIM technology and processes inspired by the efficiency of the automotive industry, we eliminate waste, guarantee we have efficiency and quality control in all stages of the process.

We will build spaces where curiosity and creativity flourish, spaces that will positively impact the world.

Pod by pod, we build the future.

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dstgroup