








Modular construction

Unibep Group's business area

-  Building construction
UNIBEP SA
-  Energy and industrial construction
UNIBEP SA
-  Infrastructure
UNIBEP SA
-  Development activities
UNIDEVELOPMENT SA
-  Modular construction
UNIHOUSE SA



4 953

number of flats and units built by Unihouse SA using modular technology

As at 31.03.2024

290 k m²

usable floor space constructed

As at 31.03.2024

1 700

employees of the Unibep Group

As at 31.03.2024

About us

Unihouse is part of the Unibep Group, which has been on the market for over 70 years and is one of the largest construction groups in Poland. Unihouse is not only a manufacturer of wooden modules, but also a general contractor of multi-storey buildings such as hotels, dormitories, residential buildings, educational institutions or senior citizens' facilities.

We take care of the construction projects - we design, manufacture and build our customers' visions. Unihouse timber modules are mainly made of natural, environmentally neutral materials, ensuring safety and high comfort. We take the issue of ecology very seriously, focusing on ESG aspects in line with the strategy of the entire Unibep Group.

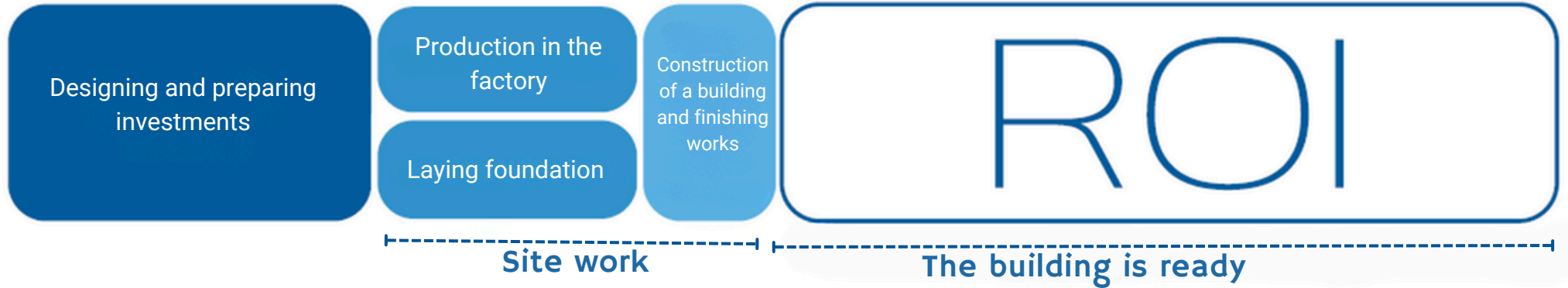
The Unihouse SA team





Modular construction

Lead time



Traditional construction



Benefits and features of prefabricated natural building



SPEED

Reduction of lead time by at least 50%



ENERGY EFFICIENCY

Lower operating costs for a modular building



HIGH DEGREE OF PREFABRICATION

We supply turnkey modules



EFFICIENT TRANSPORT AND ASSEMBLY

Assembly of a complete building takes several days



RELIABILITY

Repetitive production and independence from weather influences



HIGH QUALITY

The modules are manufactured with precision under the strict supervision of factory quality control team



SUSTAINABILITY

For generations and high utility comfort



ACUSTICS

Double inter-module partitions filled with wool provide high acoustic comfort confirmed by tests



THERMOIZOLATION

Thermal transmittance of partitions lower than what is required by WT2021



FIRE RESISTANCE

Confirmed by ITB fire classification up to REI120



Ecology



ESG strategy

We are pursuing our sustainability goals by integrating environmental, social and corporate responsibility into our business strategy, which brings long-term benefits for society and the planet.



DNSH Rule

Our operations comply with the 'No Significant Harm Principle', ensuring environmental protection and sustainability, minimising negative impacts on the ecosystem.





Reduced carbon footprint

We are minimising our carbon footprint, which means reducing greenhouse gas emissions and contributing to the fight against climate change.



Reduction of CO 2

Reducing the carbon footprint of manufacturing processes and building use is a step forward in meeting global climate goals, reducing the impact on the greenhouse effect.



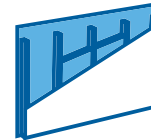
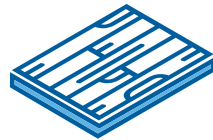
Wooden construction

Wood is the only building material that stores CO₂, making Unihouse constructions environmentally friendly and supporting the sustainable management of forest resources.

Implementation stages

DESIGN

PRODUCTION



1

2

3

4

Design in BIM

We have our own multidisciplinary design teams and place great emphasis on the high quality of project documentation - we design in BIM technology, which guarantees a better production process and avoidance of potential conflicts.

Floor/ceiling production

All possible installations that are necessary for the daily use of the rooms are installed in the floors and ceilings right away.

Wall production

For the most part, this is an automatic process - the wooden elements are cut to size according to the design, then they are nailed together on a special production "table" and the subsequent wall layers are mounted according to the design - and the holes for the installations are cut out. The interior of the walls is filled with mineral wool according to the acoustic and fire requirements.

Module assembly

Once the floors, walls and ceilings have been manufactured separately, the module is assembled. Everything is done according to a detailed design for each module, which is part of a larger whole. Multi-specialist technicians perform the necessary installations: electricity, ventilation, heating, doors, windows and other necessary equipment.

PRODUCTION

CONSTRUCTION



5

Finishing work

Once all the installations have been performed, it is time for the finishing work. Walls, ceilings and floors are finished in accordance with the design. The type of materials and colours used are tailored to the client - they depend only on the Investor's idea and budget.



6

Equipment

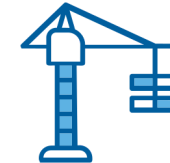
The modules can be supplied fully equipped with sanitary appliances, fittings, furniture, movable furniture, full kitchen equipment, etc. The range depends on the Investor's needs and preferences.



7

Transport of finished modules

The modules, thus assembled, ready and equipped, are transported to the construction site by truck and, if necessary, by ship.



8

Assembly of buildings on site

When the modules arrive at the construction site, they are directly placed on top of one another using a crane and connected together to form the building structure.



9

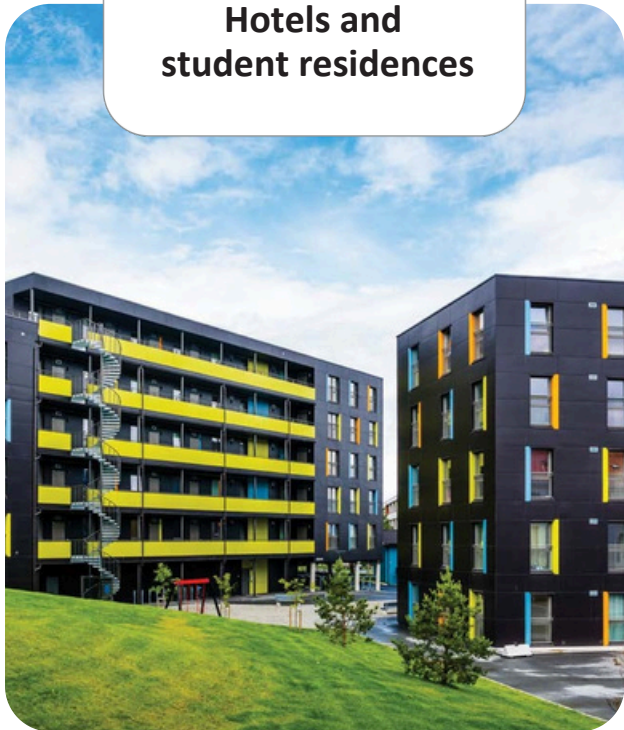
Final result

The modules are placed and integrated and the buildings are delivered turnkey.

Unihouse modular construction possibilities



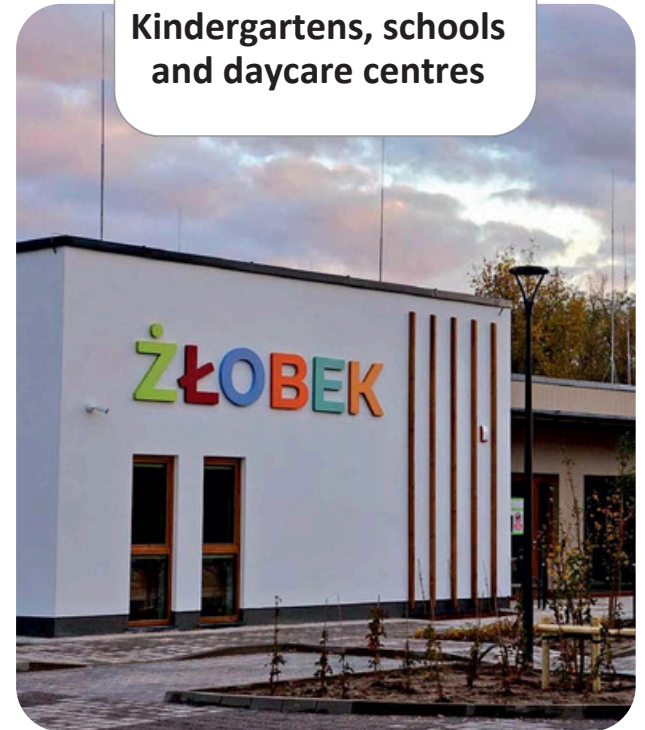
Hotels and student residences



Senior citizens facilities

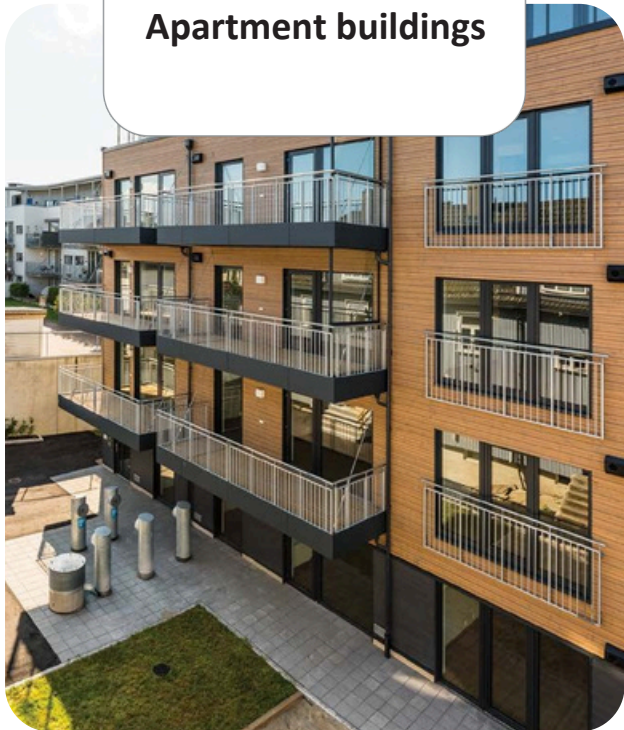


Kindergartens, schools and daycare centres

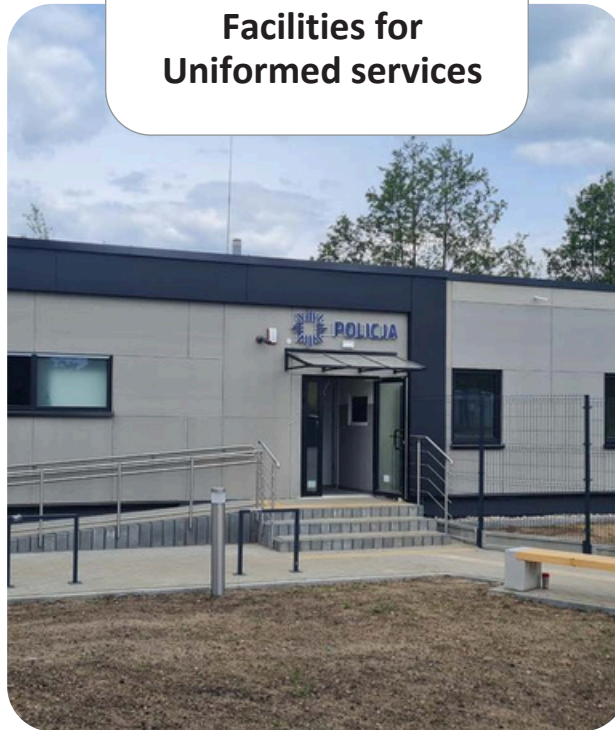




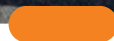
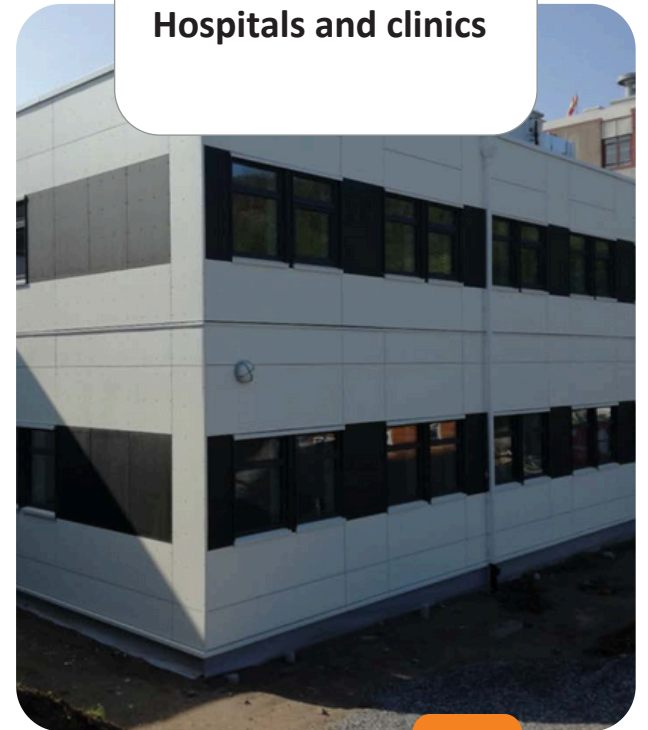
Apartment buildings



**Facilities for
Uniformed services**



Hospitals and clinics



Certifications and approvals



European Technical Approval
ETA- 15 /0241

European Technical Approval Certificate of constancy of performance 0402-CPR-SC0708-16



Environmental management system certificate
ISO 14001:2015



Occupational health and safety management system certificate
ISO 45001



ISO 9001:2015 Quality Management System certificate



Association of prefabricated building manufacturers



Norwegian Association of Manufacturers of Housing



Norwegian Central Validation of Building Qualifications



Norwegian Technical Approvals



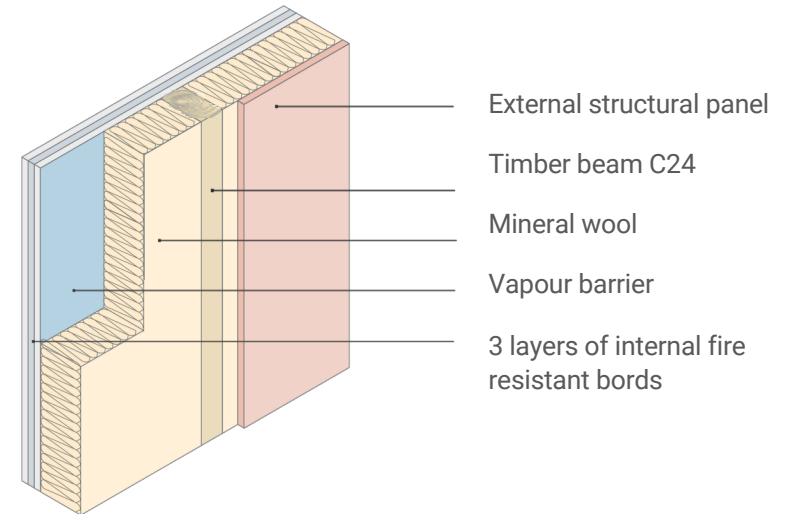
Unihouse product certificate of conformity with German standards



German quality mark for prefabricated timber-frame house elements

Fire resistance

Fire resistance classification REI 90 (120)*. Fire classification issued by ITB.



A load-bearing wall in timber frame construction, filled with mineral wool, with a cladding of outer construction panels and inner fire-resistant boards that serve as a partition in the event of a fire.

*Modular partition walls

Example of a repetitive floor plan



Number of apartments: 24

Number of units: 27 + 1*
(*Serving as a lift shaft)

Floor area of modules
(total / usable):
2077.30 m² / 1595.16 m²

Floor area of flats
30.62 m² to 63.15 m²

Floors: 4
(in reinforced concrete
construction and three in
modular technology)

Examples of projects



Municipal building Kamienna Góra

Usable floor area (approx.): 1,600 m²
Number of buildings: 1
Number of storeys: 4
Number of modules: 27 + 1*
(* 1 module as lift shaft)



Holiday homes Park of Poland

Usable floor area (approx.): 3,150 m²
Number of buildings: 92
Number of storeys: 1
Number of modules: 92



Police station Ruskowy Bród Białołęka, Warsaw

Usable floor area (approx.): 121 m²
Number of buildings: 1
Number of storeys: 1
Number of modules: 4



School in Pruszków

Usable floor area (approx.): 2,600 m²
Number of buildings: 1
Number of storeys 3
Number of modules: 50



Apartement building SIM Świdwin

Usable floor area (approx.): 1,900 m²
Number of buildings: 1
Number of storeys: 4
Number of modules: 30



Nursery “To the river” Warsaw

Usable floor area (approx.): 1,400 m²
Number of buildings: 1
Number of storeys1
Number of modules: 43

Examples of completed projects



Kalbach senior centre

Usable floor area (approx.): 5,500 m²
Number of buildings: 1
Number of storeys: 3
Number of modules: 75



Residential buildings Kernen

Usable floor area (approx.): 2,200 m²
Number of buildings: 3
Number of storeys: 3
Number of modules: 54



Flats for refugees Potsdam

Usable floor area (approx.): 4,050 m²
Number of buildings: 2
Number of storeys: 5
Number of modules: 90



Social housing Kriftel

Usable floor area (approx.): 5,900 m²
Number of buildings: 4
Number of storeys: 3-4
Number of modules: 88



Residential complex for employees of the SWSG clinic in Stuttgart

Usable floor area (approx.): 12,100 m²
Number of buildings: 6
Number of storeys: 4-5
Number of modules: 221



Residential building Künzelsau

Usable floor area (approx.): 5,000 m²
Number of buildings: 4
Number of storeys: 4
Number of modules: 112

Examples of completed projects



Apartment building Skattegården, Sweden

Usable floor area (approx.): 2,806 m²
Number of buildings: 1
Number of storeys: 3
Number of modules: 112



Student residence Nardobakken Trondheim, Norway

Usable floor area (approx.): 5,300 m²
Number of buildings: 1
Number of storeys: 4-5
Number of modules: 176



Housing estate Kaldnes Tønsberg, Norway

Usable floor area (approx.): 8,150 m²
Number of buildings: 4
Number of storeys: 5
Number of modules: 203



Signaturhagen residential complex Kongsberg, Norway

Number of buildings: 4
Number of storeys: 4



Heimdalsporten housing estate Trondheim, Norway

UUsable floor area (approx.): 12,000 m²
Number of buildings: 4
Number of storeys: 7-8
Number of modules: 455



Klovertunet-Vestbyen housing estate Jessheim, Norway

Number of buildings: 7
Number of storeys: 6

Unihouse S.A.

ul. Rejonowa 5, 17-100 Bielsk Podlaski, Polska

mail: info@unihouse.pl

phone +48 85 730 34 77

www.unihouse.pl



FACEBOOK



LINKEDIN



YOUTUBE

