## **Standards** and services



### Business area:

— individual and business customers

## Modules dedicated to:

- residential buildings
- public buildings
- hotels
- accommodation buildings (such as dormitories)
- administrative and office parts
- of industrial facilities

## Geometric product characteristics:





Finishing standard:

— large format boards

Equipment standard:

— individually arranged with the

— tiles

— coatings

client

Concept I

**Standard internal dimensions:** 

— Width: 1.50–2.50 m

— Length: 2.0–3.50 m

— Height: 2.25–2.5 m

Concept II



Concept III

# **Research-backed** technology





Pekabex Research and Development Department br@pekabex.pl

The project is implemented under the Intelligent Development Operational Program 2014-2020 under Sub-Action 1.1.1. "Industrial research and development work carried out by enterprises." Project name: "Research and development work on the development of an innovative prefabricated bathroom module along with its production technology." Value of the project: PLN 8,803,680.00 Funding value: PLN 4,034,479.50

European Funds Smart Growth 

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# *E* Pekabex<sup>®</sup>

# **Bathroom** modules

Modern modular



construction - the answer to the needs of the times

Pekabex's Research and Development Department is conducting research and development work on the development of an innovative prefabricated bathroom module – along with the technology for its production – intended for residential construction, public utilities as well as administrative and office parts of industrial facilities.



 $\rightarrow$  www.pekabex.pl



reinforced both in the

traditional way and with the

making it possible to reduce

GFRP composite meshes,

the height of this element.

30% relative to ordinary

concrete while

maintaining the

material's high

mechanical

performance.

a structural glued joint

eliminates the need for

ensures the flexibility of

the connections, which is

essential in the process

of transportation and

assembling of the

module.

mechanical fasteners and



in concrete) guarantees the highest quality and tightness of the room.

Fibre reinforcement eliminates the need to reinforce slab elements with classic reinforcement meshes, allowing the walls and top slab to be slimmed down to 60 mm while maintaining all safety and operational requirements.

# Advantages of prefabricated bathroom module



**Compatible** with the system of modern modular (wall) construction for residential buildings, public buildings as well as administrative and office parts of industrial facilities.

Integration of module structural elements, systems and turnkey finishes and equipment in a technologically optimized production process at a modern prefabrication plant.

## High quality control and risk reduction.

Lead time reduction by speeding up the installation of finished bathrooms (transport+assembly+insertion of the module installation into the risers of the building).

Construction periods guaranteed.

**Improved construction logistics** by minimizing finishing work at the module's embedded site.

**Environmental protection** through process- and material-optimized (material quality and waste reduction) production technology and reduced assembly time.

Utility of solutions and finishing standards.