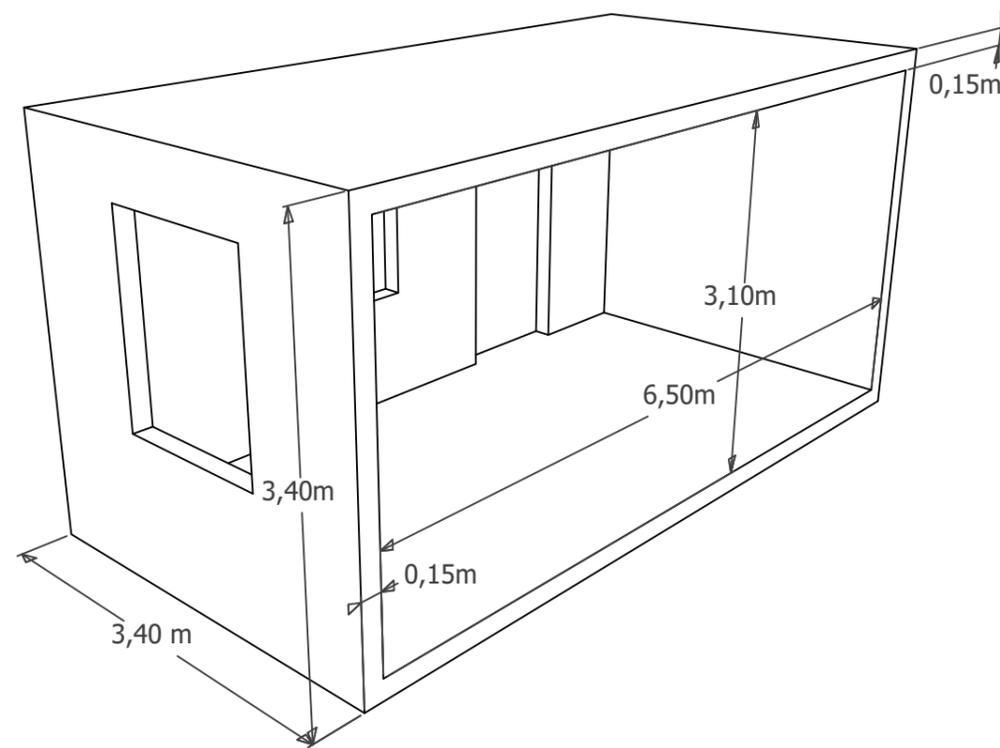


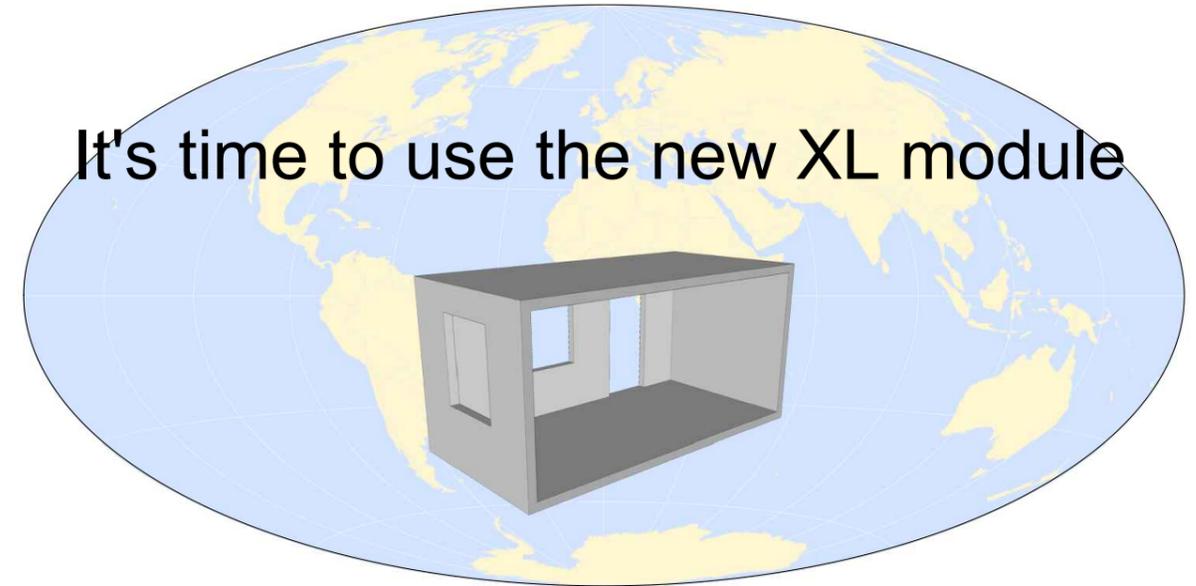
C-MODULE AUSTRIA NEW XL VERSION

MACHINES-PLANTS

WE BUILD YOUR SOLUTIONS



It's time to use the new XL module



Here some special features:

- The module can be used in different positions and applications because of the stability (two-layer reinforcement cage), and can therefore also as a corridor element, stairway, lift shaft, etc. The displacement of the modules in order to form interior or exterior balconies is thereby possible. It allows an architectural diversity.
- Accuracies of / - 3 mm are achieved.
- By using the finished modules, you have only some machines and equipment on site.
- XL because the module now has a width and height of 3,4 m with a length of 6,8 m. The base modules are 21,13 m² and the extension module is 22,10 m². In order to reduce the weight of the modules and to keep the crane performance low, we recommend the use of lightweight concrete with a specific weight of ~ 1450 kg / m³ and a final strength of 33 - 40 N / mm².
- Based on our years of experience in this field, we can offer an excel business plan tailored to your needs. This also includes an excel calculation of the module and production costs per m² usable area.

Summary of the general information:

Scope of application: The flexible modular design can cover almost all building types in private and public areas with the possible room heights.

Material thickness: Wall: 15 cm. Ceilings and floors: 15 cm.

Weight: Depending on the size of openings (doors and windows) and the type of concrete (14 - 19 tons per module).

Dimension-System matrix: 3.40 x 3,40 x 6.80 m

Statics: Depending on the earthquake zone or the expected earthquake intensity, up to 12 floors possible. For connecting the modules on the foundation as well as among each other, depending on the requirements, different solutions are available.

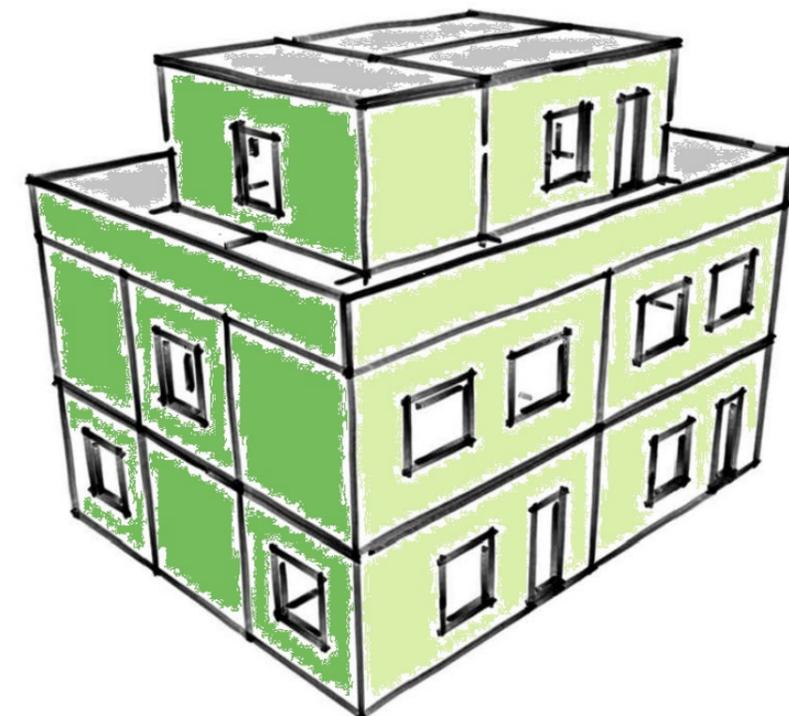
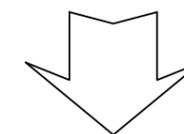
Reinforcement: Double layer mesh with 3D inlays.

Building physics: Almost all facade insulation systems can be mounted, the sound insulation is judged according to the selected material thickness.

Fire rating: Fulfilled by the wall thickness (ultimately according to local standard).

Performance example: In a 3-shift operation with 2 modular formworks can be expect 6 - 8 modules, depending on the concrete types.

For large projects and special solutions such as rounding corner or higher wall thicknesses with integrated insulation etc. are possible by special mould.



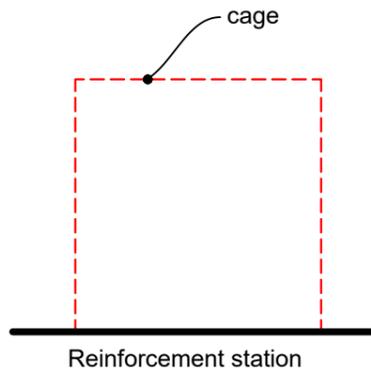
ERICH PETER MACHINES-PLANTS GMBH

A-7083 Purbach, Hofgartengasse 7 - phone: +43-6643358378

email: office@machines-plants.at - www.machines-plants.at

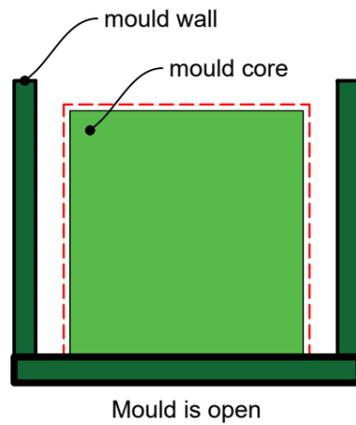
C-MODULE PRODUCTION

CAGE PREPARING



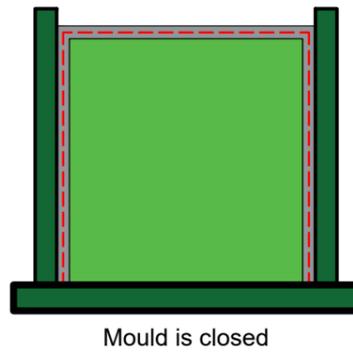
- Here, the reinforcing cage is made of steel mesh and bars and lifted by crane into the open modular formwork.

REINFORCEMENT INSERTION



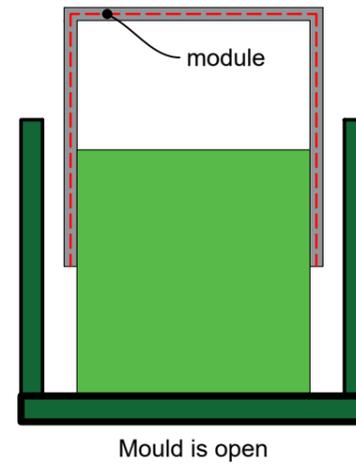
- The reinforcing cage is in the modular formwork. Door and window openings are formed. Piping for the electrical installation can be fixed on the reinforcing cage.
- Now the four side walls are closed hydraulically.

FILLING CONCRETE



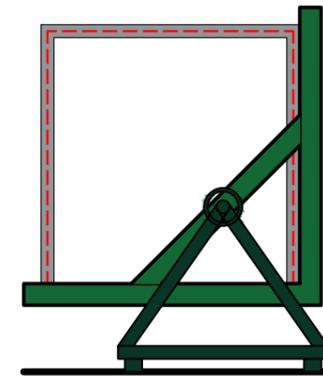
- The modular formwork, which has already been heated to 35°C now filled quickly with very liquid concrete and mechanically deaerated depending on the concrete type.

MODULE LIFT UP



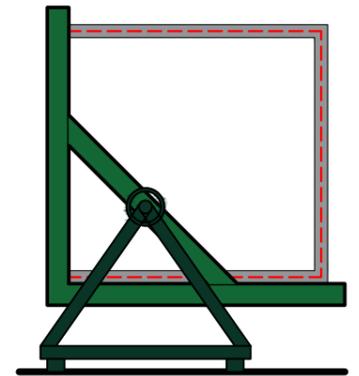
- Depending on the concrete type, the modular formwork is opened after 4 to 6 hours and the concrete module is lifted out of the modular formwork by means of a lifting device and placed in the tilting device.

MODULE ROTATING STEP 1

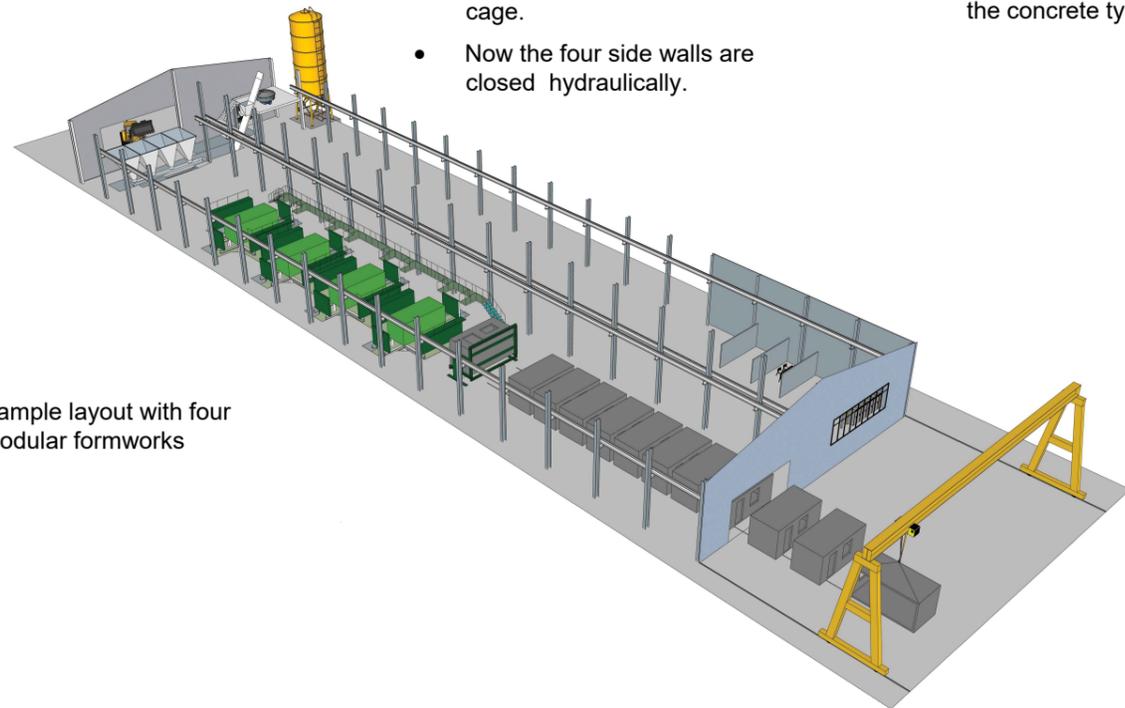


- The parked module is rotated by 90°.

MODULE ROTATING STEP 2

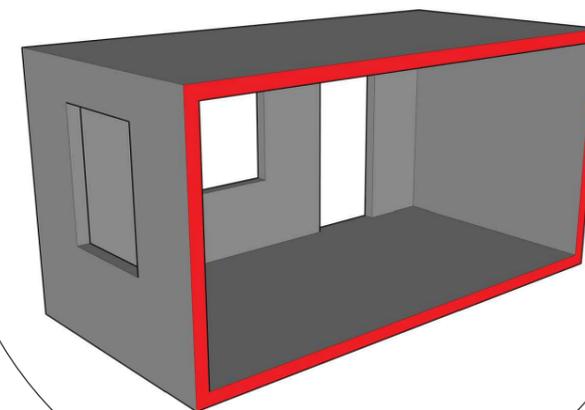


- Now the concrete module is in the transport- or later fixing position. It will be brought by hall crane to run out track, through which the module leaves the hall.



- Sample layout with four modular formworks

C-MODULE IS READY

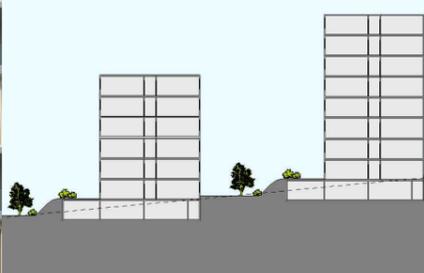


- Ready for storing or transport to the site.

Facade as open design



Multi floor building



Facade modern - young



Multi floor building

