Flat Pack Modular Housing

Project-based accommodation, built around a flexible modular system.



PROJECT CONCEPT | Illustrative two-storey accommodation campus

6 m × 3 m	18 m²	Project design
Nominal standard module	Nominal module footprint	Layouts and specifications

Applications

Factory staff dormitories
Accommodation close to the workplace.

Rental apartments
Room layouts adapted to rental projects.

Construction & mining camps
Living quarters for project workforces.

Student accommodation
Modular dormitory and support spaces.

Site offices & facilities
Offices, meeting rooms and welfare units.

Emergency accommodation
Temporary housing and support facilities.

A coordinated building system

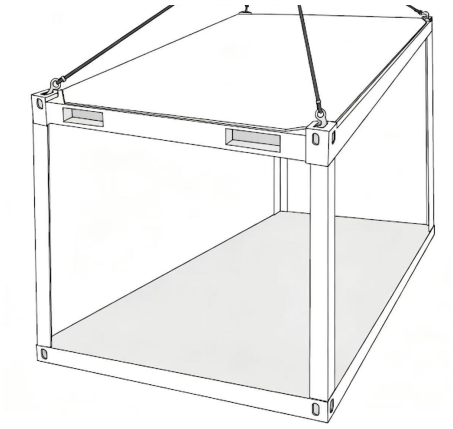
Steel frame, insulated envelope and interior fit-out specified as one project.



Factory-packed units



Actual shipment photograph



Bolted frame assembly

REFERENCE CONFIGURATION & PROJECT OPTIONS

Steel structure	Hot-dip galvanized square-tube steel frame, with a white finish and bolted corner connections.
Wall system	Rock wool wall panels; 75 mm exterior PU wall panels available as a project-specific option.
Roof system	Galvanized steel roof with 75 mm glass wool insulation. Secondary gable roof and gutters can be specified.
Floor build-up	18 mm magnesium board + 2 mm vinyl flooring. Optional 50 mm sprayed polyurethane insulation beneath the floor.
Doors & windows	Reference unit: one 970 × 1970 mm steel door and two 920 × 1120 mm double-glazed uPVC windows; white frames.
Electrical fit-out	Wiring, switches, power outlets and lighting. Components and electrical layout selected for the destination market.
Plumbing & sanitation	Water supply and drainage layouts for the project. Separate shared toilet and shower modules, including five-user layouts.

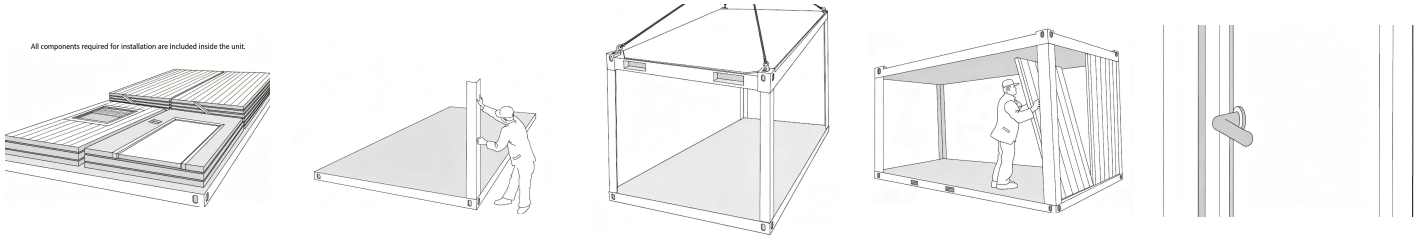
Project accessories & interior options

External stairs and corridors · Module connection accessories · Beds and wardrobes · Air conditioning · Water heaters · Factory packing

Configurations shown are selectable project references. Final materials, quantities, finishes and service scope are confirmed in the project specification.

From packed unit to project layout

Factory-packed components assembled on site to an agreed installation plan.



01 Unpack

Position the pack and check components.

02 Set columns

Locate corner posts and bolt them to the base.

03 Fit roof frame

Lift the roof assembly and secure connections.

04 Install panels

Fit wall panels and route service wiring.

05 Finish & connect

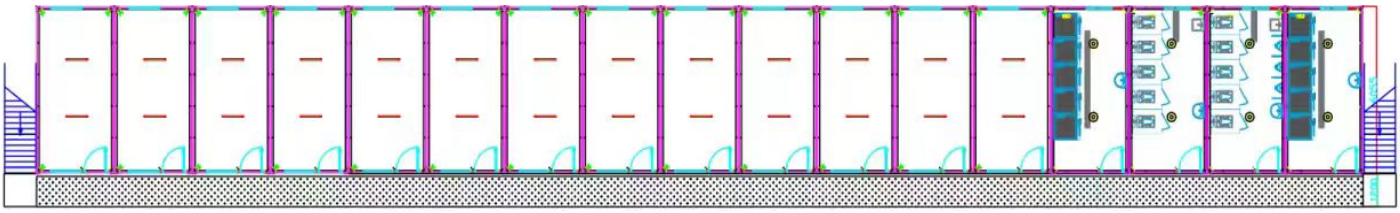
Fit doors, windows, trims and service connections.

Installation overview only. Use crane lifting and follow the full installation manual and project lifting plan.

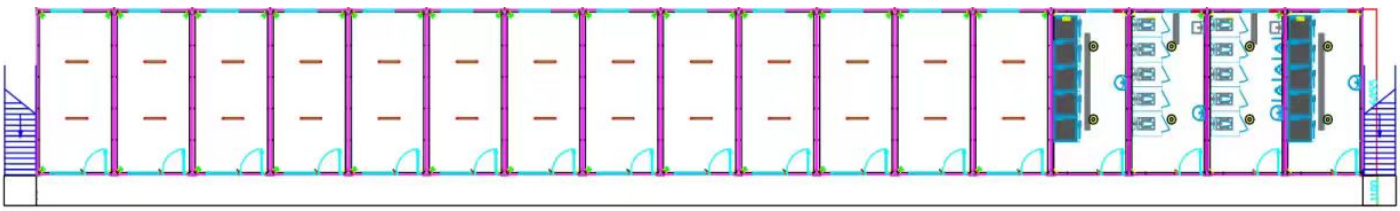
Two-storey accommodation concept

Repeated rooms with shared sanitary facilities, external corridors and end stairs.

UPPER FLOOR



GROUND FLOOR



Reference arrangement adapted from a custom project drawing; not to scale. Final plans are developed around the selected module sizes and site conditions.

Project planning

Room mix, occupancy, bathrooms, access, module grouping and future expansion.

Building package

Frames, wall and roof systems, stairs, corridors, gutters and agreed fit-out.

Site coordination

Foundations, utilities, drainage, structural design and local approval requirements.

Standard module: nominal 6 m × 3 m. Custom dimensions and multi-storey arrangements are subject to project engineering and applicable local requirements.