

LGS PANELISED BUILDING SYSTEMS

Factory-made panels.
Assembled on site.

MANUFACTURED IN LITHUANIA



NP5 FACTORY / ŠIAULIAI, LITHUANIA

01 DESIGN

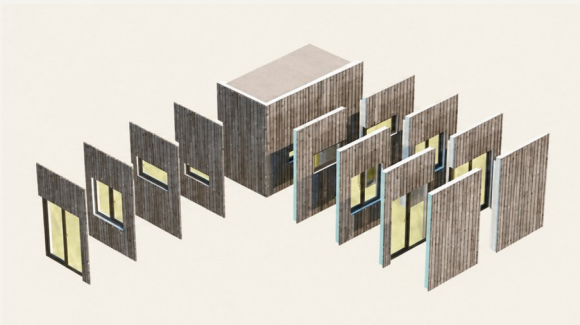
02 MANUFACTURE

03 ASSEMBLE

CHOOSE THE ROUTE FOR YOUR PROJECT

One manufacturer. Two delivery formats.

NP5 designs and manufactures project-specific building systems in Lithuania. Start with your own architectural plans or discuss an NP5 building model.



PANELISED SYSTEM

Components for on-site assembly

Wall panels, roof panels and intermediate floor elements are prepared for the project.



MODULAR SYSTEM

The Jewel: factory-built modules

Volumetric units are delivered and connected on site. Layout and finish level are selected.

A coordinated manufacturing chain

UAB NP5 designs LGS solutions and manufactures panels. NP5 Constructions UAB produces the cold-formed galvanised steel profiles used in the structural elements.

WHY NP5

Five strengths. One coordinated system.

The priorities behind the system - and what they mean for your project.

**A++ ENERGY EFFICIENCY***

Panel layers and junctions are specified around the building's energy and airtightness requirements. Performance is assessed for the complete building.

**STRENGTH & DURABILITY**

Galvanised steel profiles, connections and layouts are selected through structural calculations for the project, its geometry and design loads.

**FAST, CLEAN ASSEMBLY**

Factory-prepared, marked elements follow project documentation. This reduces extra cutting and processing on site; the programme is agreed for each project.

**LIGHTWEIGHT & RECYCLABLE**

The steel frame is recyclable. A lighter structure can reduce foundation loads compared with concrete solutions; the foundation still requires its own design.

**SMART PACKAGE / FAIR PRICE**

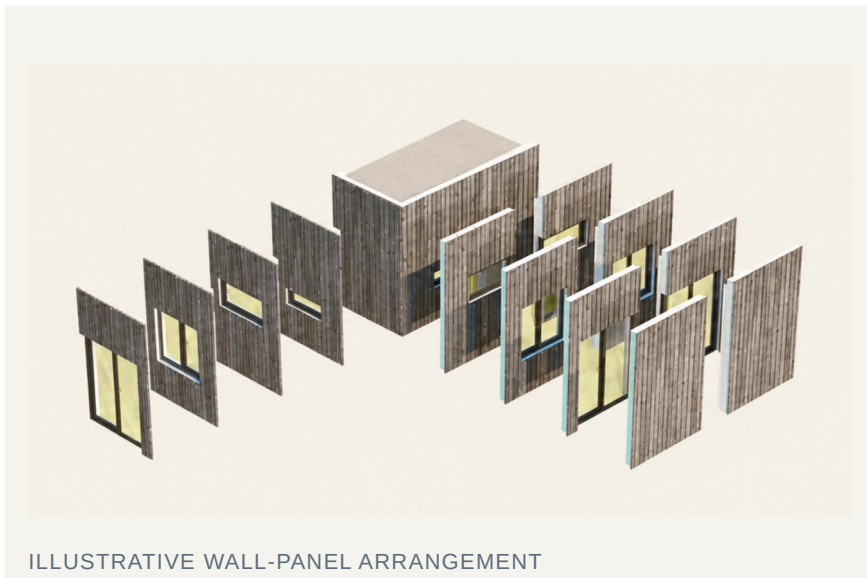
A clear specification defines the elements, finishes and responsibilities. Compare equivalent supply scopes, not incomplete headline prices.

*A++ is a project-specific target, not a universal rating for every package.
Reuse and recycling of other materials depend on separation and connections.

PANELISED SYSTEM / SCOPE OF SUPPLY

The panel kit. Defined for your building.

A coordinated set of building elements, manufactured in parts and assembled to the project documentation.



ILLUSTRATIVE WALL-PANEL ARRANGEMENT

Wall panels

LGS wall assemblies with the specified layers.

Roof panels

Roof elements matched to the structural solution.

Intermediate floors

Elements between storeys, where required.

Foundation interface

Wall panels are installed on reinforced concrete slab foundations. This is separate from intermediate floor construction.

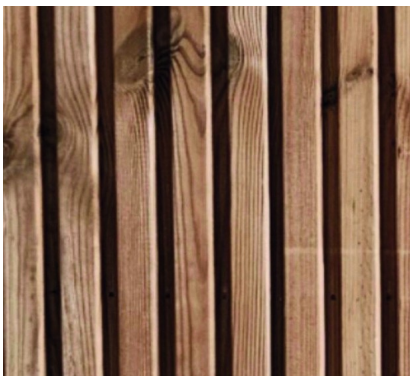
Agree the scope, not just the price.

Your quotation defines the structural elements, insulation, facade, windows, delivery and assembly. Foundations, permits, building services and interiors are included only when expressly agreed.

FACADE OPTIONS

Your architecture. Your choice of finish.

Factory-made panels can be specified with different facade solutions. The finish, supporting layers and fixing system are coordinated for the project.



Thermally modified timber

Ventilated facade option



Wood-plastic composite (WPC)

Ventilated facade option



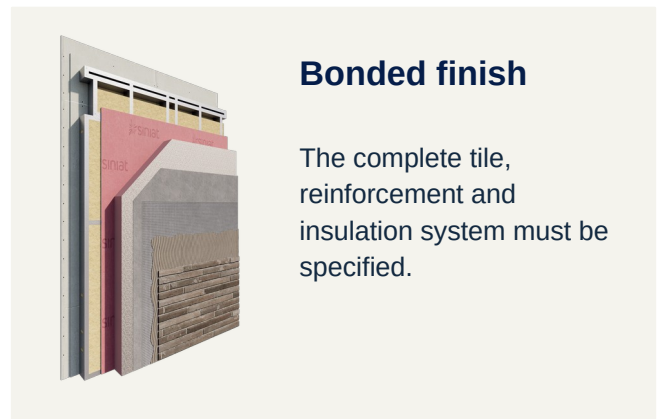
Clinker-look tile finish

Fixing system per specification



Ventilated

Cladding and subframe are coordinated with the wall build-up.



Bonded finish

The complete tile, reinforcement and insulation system must be specified.

Illustrative material and wall examples. Colours, fixing details and performance are confirmed for the selected project. Full layer schedules belong in the technical specification.

RESIDENTIAL ARCHITECTURE / SELECTED CONCEPTS

Architecture with room for choice.

The Rusty Box and Cupcake illustrate different architectural expressions. Each project is engineered and manufactured to its agreed scope.



THE RUSTY BOX / DESIGN VISUALISATION

Flat-roof architecture

A reference for contemporary single-storey residential design.



THE CUPCAKE 80 / DESIGN VISUALISATION

Pitched-roof architecture

A reference for panelised residential projects with pitched roofs.

Architectural concepts shown. Layout, build-up, price and delivery scope are confirmed per project.

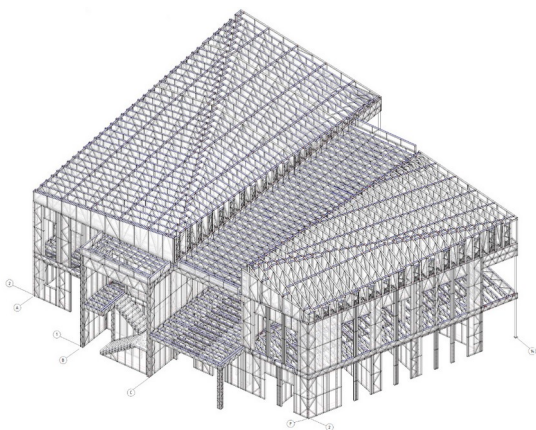
COMMERCIAL & ADMINISTRATIVE PROJECTS

Designed as a whole. Manufactured in parts.

For larger buildings, NP5 manufactures the structural elements in sections for assembly on site - not as a single factory-built volume.



BUILT PROJECT / ADMINISTRATIVE BUILDING, ŠIAULIAI



NEARLY

1,000 m²

NP5 designed and manufactured the LGS wall panels, intermediate floors and complex roof structures.

INDUSTRIAL / INFILL / HYBRID

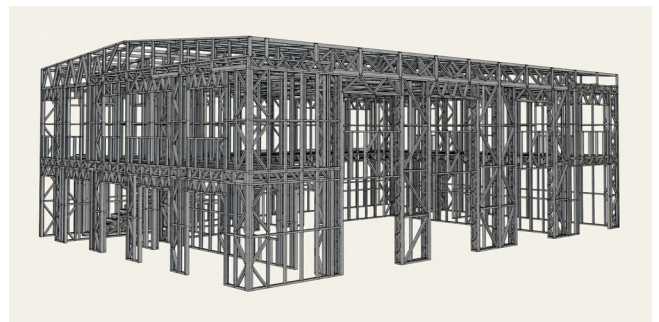
More applications. The same design discipline.

Structural solutions are developed for the intended use, geometry and project loads. Interfaces with other structures are coordinated in the design.

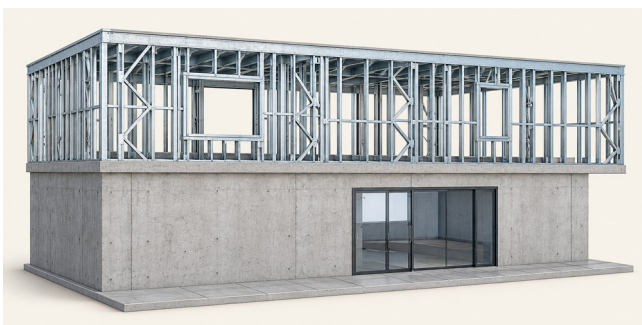
INDUSTRIAL & STORAGE EXAMPLE



BUILDING ON SITE



STRUCTURAL MODEL



Hybrid construction

LGS elements combined with a concrete or other primary structure.



Infill wall systems

LGS wall elements within a separately designed primary frame.

LOWER IMAGES: CONCEPT ILLUSTRATIONS, NOT COMPLETED-PROJECT PHOTOGRAPHS

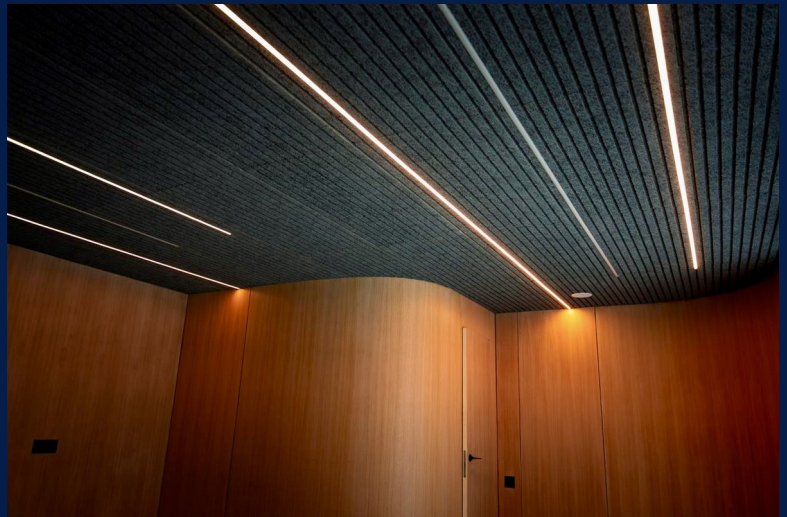
MODULAR SYSTEM

THE JEWEL

Compact architecture.
Factory-built modules.



ACTUAL EXTERIOR



ACTUAL INTERIOR

For living, leisure, guest accommodation and rental projects. Choose a layout and an agreed level of finish.

2X

2 modules

4X

4 modules

4X XL

4 XL modules

Modular units have their own structural floor. Transport, site access, foundations and connections are assessed for the selected configuration.

QUALITY & DOCUMENTATION

Documented production. Defined scope.

Digital structural design is linked to automated forming, cutting, punching and marking. The project defines the elements before production.



FACTORY PREPARATION

Project-specific elements, prepared and marked for assembly on site.

NP5 CONSTRUCTIONS UAB / CERTIFICATE REFERENCES

1397-CPR-0740**Structural steel components**

EXC2 / EN 1090-4:2018 in the supplied certificate summary.

ISO 9001:2015**Quality management**

Scope applies to the certified activities.

ISO 14001:2015**Environmental management**

Scope applies to the certified activities.

ISO 45001:2018**Occupational health & safety**

Scope applies to the certified activities.

Building performance is verified separately.

These references do not certify every complete NP5 wall, roof or building. Request the current certificates and documents relevant to your chosen specification.

References reproduced from supplied NP5 documentation; current validity and scope require confirmation.

QUESTIONS TO RESOLVE IN YOUR SPECIFICATION

Clear answers. Before you commit.

A sound decision starts with the requirements for your building - and the evidence supporting the selected solution.

01 Will the building be warm?

Insulation, linings and junctions work as a complete envelope. NP5 specifies panel build-ups around the building's energy and airtightness requirements.

02 What protects the steel?

Galvanising protects the steel. The coating and moisture protection are specified for the location and exposure conditions.

03 What about sound?

Acoustic performance comes from the complete layered assembly and its junctions. Agree the target for your building and request matching evidence.

04 What about fire performance?

Fire performance depends on the complete protected assembly. The required ratings and supporting documents are defined for the selected solution.

05 Can our team assemble the kit?

Marked elements and project documents support the installation team. Assembly guidance, lifting arrangements and site responsibilities are agreed before delivery.

06 What does the price include?

The quotation defines the specification and work scope. Delivery, installation, foundations, services and finishes must be explicitly included or excluded.

Let's discuss your project.

A single building or a wider development.
Start with the brief; define the right supply scope.



DEVELOPMENT CONCEPT / ARCHITECTURAL VISUALISATION

SEND YOUR DRAWINGS, LOCATION, INTENDED USE AND PREFERRED SCOPE.



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