SISIMO®: the freedom of traditional building meets the efficiency of prefabricated construction systems.

Economic development and urbanization increase the demand for affordable housing in the world. That is why SISIMO® has redefined construction and prefabrication beyond any expectations.

The result, the SISIMO® Building Technology, is much more than just a more efficient construction method. It is best described as an innovative, permanent modular construction for prefabricated buildings, based on a three-dimensional lattice module of galvanized steel wire. This lattice is filled with materials of different nature and origin to create a hybrid structure to serve as framework.

Using the SISIMO® Building modules, load-bearing walls, foundations, columns, floors and roof structures can be designed and constructed fast, cost-efficiently and with high structural quality.

**The SISIMO® module: a simple, yet intelligent building system**

The basic structure of the SISIMO® building module is the steel wire lattice. At the extreme sides of the lattice, infill panels are inserted, which reduce the lattice's load-bearing capacity but can be filled with concrete. The type of infill panels used depends on the purpose of the wall, load bearing or non-load bearing, etc. The infill also acts as an aerator and anchoring for the building material used without load-reinforcing bars in place during the concrete filling:

- 37 lattice (0.20 m galvanized steel wire)
- 37 lattice (SP), (concrete wall, load-bearing wall...)
- Structural lattice (concrete)
- Finishing (plastering, natural stone, paving, ...)

Includes SISIMO® Software sicAD™

A strong and computer-aided design and a precise fabrication program especially developed for the SISIMO® building concept.

- Environment
  - The SISIMO® concept is suitable for every socio-economic environment because of its high productivity, its brilliant simplicity and its modest demand of materials and skilled labor.

- High-quality construction
  - The SISIMO® concept is crucial to reduce energy savings and contributes to the protection of the environment. Depending on the climate, you can choose between concrete or timber, depending on the availability of local materials and the type of super-insulation required.

- Lightweight
  - SISIMO® module weighs between 2 and 3 kg, eliminating the need for heavy or expensive building materials even on-site. They are easy to locate and assembled quickly.

- Sustainable
  - SISIMO® modules provide maximum strength during concrete placement, Once complete, SISIMO® structures resemble load-bearing structures.

- Eco-friendly
  - Non-polluting production process – Reusable job structures – Great energy efficiency.

- Certificated
  - The SISIMO® was the first building system in the market to receive the European Technical Approval (ETA 04.000).

- Fireproofness
  - The assembled SISIMO® system is fireproof: non-combustible concrete system, thus fireproofing through the assembled system (horizontally, vertically, ...). No evacuation point.

- Earthquake-resistant
  - Prior to calculations and reports made by the University of Louvain (Belgium) and the Industrial Institute University (Italy).

- Aesthetic proof
  - A SISIMO® building is extremely resistant to the complex strains and stresses due to the forces employed by the loads over time and the seasons.

- Recyclable
  - The surface variability of the SISIMO® concept provides a concrete beam method with unlimited design possibilities.

- Cost-effective
  - The SISIMO® building technology is a cost-efficient building method for all parties involved in the building process.