



SMART IBS

Smart Industrialised Building System

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DESCRIPTION

The technology is a method for constructing a building, such as house or school by using the precast concrete technology with smart mechanical joints. It also a precast based system suitable for various formation of buildings using reinforced concrete materials.

Needs

- New method in construction technology.
- Variety of building shapes can be produced.
- Earthquake prevention embedded in between elements.
- Transportable components.

Application

- Ability to form various building shapes while not restricting the architect or interior decorator creativity.
- Connections between elements can be used or extended to embed the earthquake protection devices to strengthen the whole buildings against earthquake, high wind or tsunami.

Benefits

- Time saving because it uses the same components for various types of buildings.
- Renovation works in the future will require less effort because the materials can be disassemble and assemble easily.
- The construction process requires less manpower since all components are prefabricated at the factory.
- The concrete using is a sustainable construction material and components are reusable.

Targeted Market

- Education industry
- Housing industry
- New township development
- Defense industry
- Ad-hoc industry (Cabin for school and offices)



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