



Pan Sys Technologies

Built to Perform. Delivered to Your Door

Distributor of

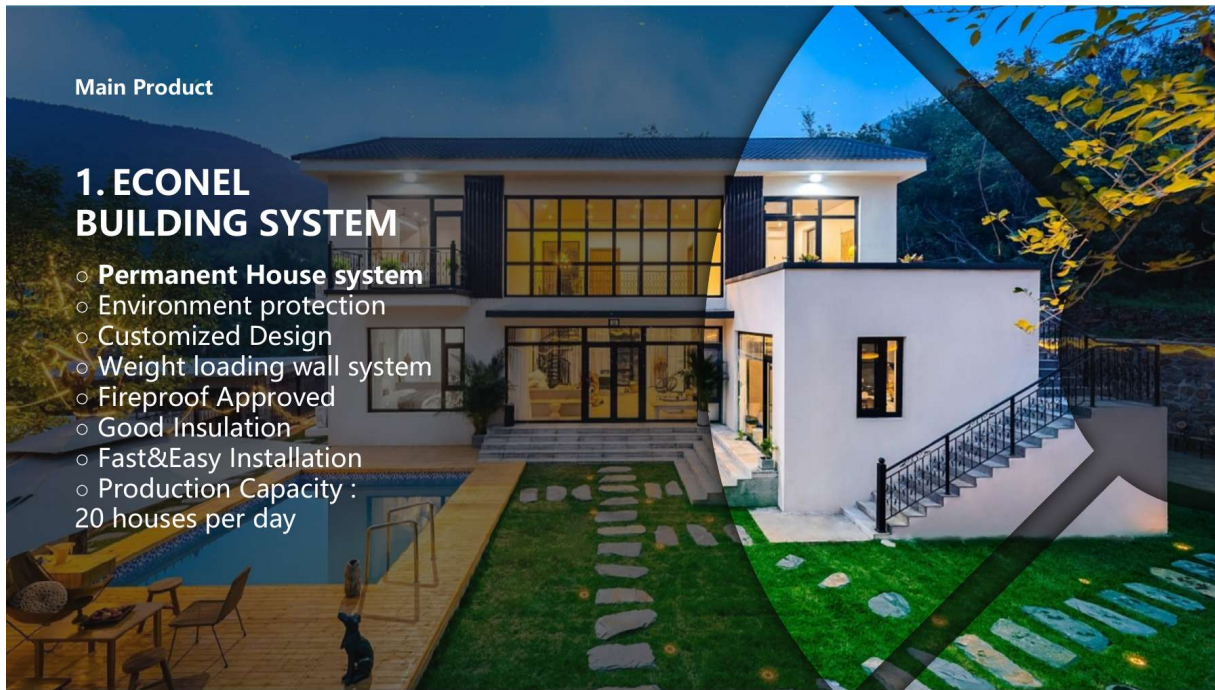


Manufacturers of

ECONEL SYSTEM : Prefabricated Construction



PanSys Technologies is distributor of an intelligently designed Panel System construction process. It utilizes an advanced technological, scientific and innovative enterprise. We specialize in manufacturing, research & development of Eco-friendly Building Systems and smart homelife products. Our brand is ECONEL, which has been deployed in more than 100 countries. The Econel™ system, developed by UPS, breaks the limitations of traditional building, greatly improving the assembly rate of houses and saving installation time and labor costs. Our company can offer one-stop service on design, production, and facilities of decoration materials and furniture.



Main Product

3. ECO-BOX CONTAINER SYSTEM

- o Economic Temporary House
- o Customized Design
- o Container Modular Design
- o Fireproof Approved
- o Good Insulation
- o Fast&Easy Installation
- o Production Capacity : 140 units per day



3 Main Products



1. ECONEL BUILDING SYSTEM

- o Permanent House system
- o Environment protection
- o Customized Design
- o Weight loading wall system
- o Fireproof Approved
- o Good Insulation
- o Fast&Easy Installation
- o Production Capacity : 20 houses per day



2. ECO-BOX HOUSE SYSTEM

- o Half Permanent House System
- o Premade with all decoration and furniture
- o Modular Design
- o Fireproof Approved
- o Good Insulation
- o Fast&Easy Installation
- o Production Capacity : 20 units per day



3. ECO-BOX CONTAINER SYSTEM

- o Economic Temporary House
- o Customized Design
- o Container Modular Design
- o Fireproof Approved
- o Good Insulation
- o Fast&Easy Installation
- o Production Capacity : 140 units per day

WHAT IS THE ECONEL SYSTEM

- Green Tech with 45 Patents
- Save 80% Overhead Cost & Labor Cost
- 96 mm Thickness Wall with the same Thermal Insulation of 250 mm Brick and Concrete Wall
- Over 50 Years of Building Lifespan

ECONEL is an innovative product designed from special formulated materials. It is recognized and approved by various certification bodies globally. ECONEL benefits clients worldwide by providing the most sustainable and environmentally friendly products. Incorporating this product in the construction industry eliminates any possibility of error during the construction process as it involves simple method of installation – which indirectly reducing the construction period. Requiring simple and speedy method of installation, low numbers of plants and machineries are involved that lessens skilled labor that's needed onsite. Hence, this reduces the overhead and labor costs significantly!

Main Structure

1. Wall: Foam Cement Panel
2. First Floor Flooring: Foam Cement Panel
3. Beam for Roof: Built-in Galvanized Steel
4. Roof: Foam Cement Panel
5. Truss Support Floor: H Steel

Fittings and Equipment

6. Window: PVC, Aluminum Alloy or Broken Bridge Aluminum Window with Single, Double or Triple Glass
7. Door: PVC, Aluminum or Wooden Door
8. Main Entrance Door: Steel Security or Wooden Door

Decorations

9. Floor: Ceramic Tile, Wooden Flooring
10. Wall: Latex Painting, Culture Stone, PVC Plate
11. Ceiling: Gypsum Board, PVC Ceiling, Aluminum Ceiling
12. Roof: Asphalt Shingle, Metal Deck



“Easy to assemble without requiring much effort or labor and machinery”

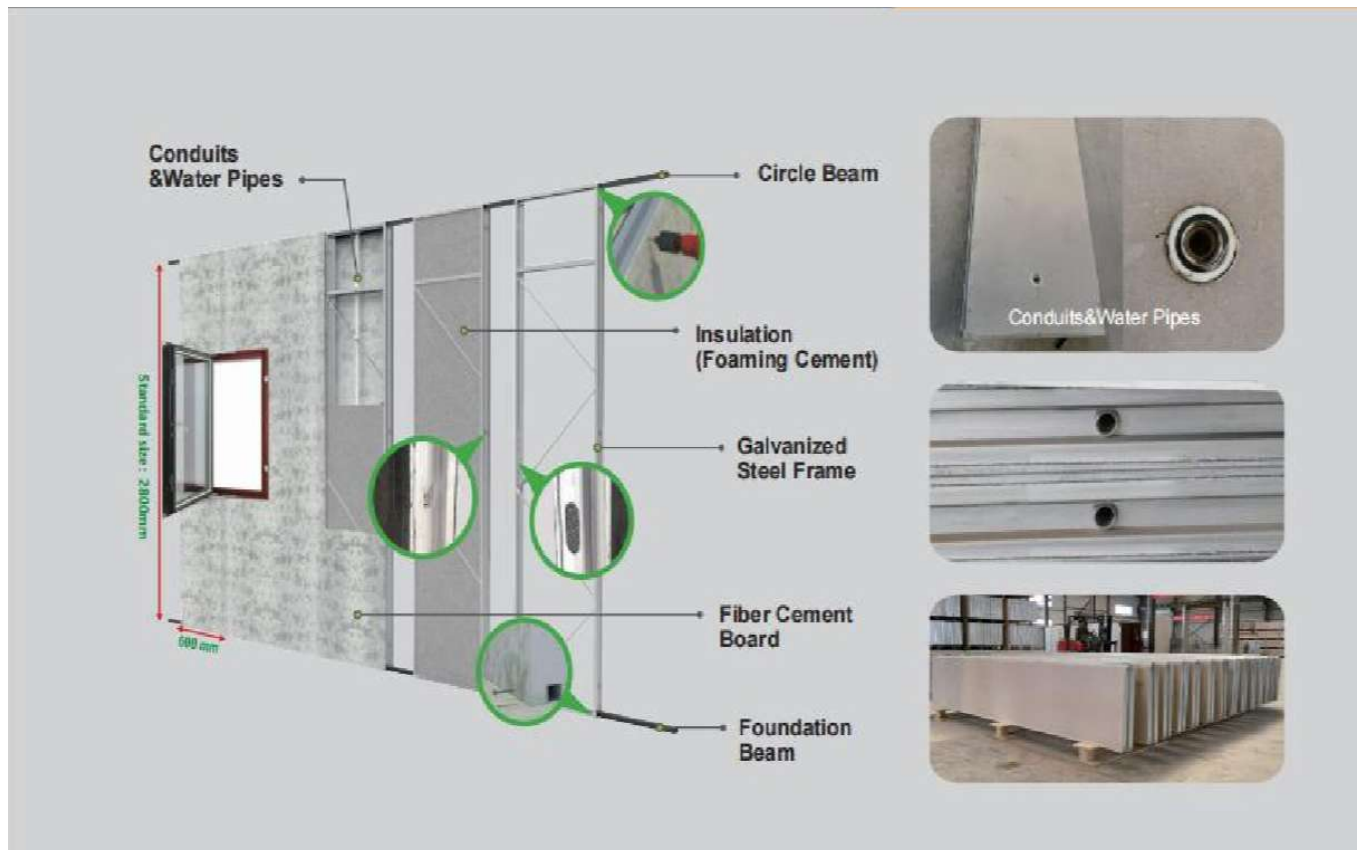
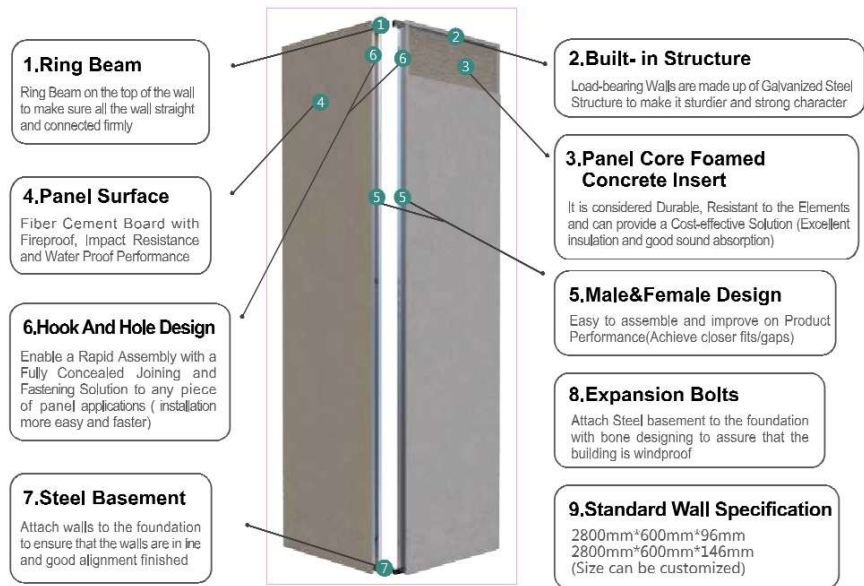
There are several aspects to consider when building the house. Many advantages can be enjoyed by owners, architects, and engineers by choosing ECONEL system.

ECONEL New Building Materials

Light Wall Panel

ECONEL board is a new type of building wall material jointly developed by UPS and German Engineers.

It integrates the advantages of fire prevention, light material, self-supporting and self-insulation. At the same time, the IBS design concepts integrated all housing elements into the board, thereby simplifying the construction process and ultimately saving the overall cost of the project.



ECONEL – Advantages of The Building System

The main materials of ECONEL panels are cement and steel, which meet the requirements of sustainable development and green environmental protection. We define the ECONEL system as a “Block Building system” because the biggest advantage is its fast and convenient installation, with a very good potential for market promotion.

The advantages of the ECONEL prefabricated building are as follow:

1. High construction efficiency, saving 80% of the construction costs compared with traditional buildings. The main building materials are prefabricated in factories and then erected at the construction site.
2. Industrialized and standardized production line, with reliable and stable quality.
3. Diversified house's main body and decoration design.
4. ECONEL's new building system can effectively reduce environmental problems such as construction waste, dust, construction sewage and noise.
5. Provide one-stop service from the main structure design, production, construction to decoration design, help to save much time for communication.

House Product Spec	ECONEL House	Brick & Concrete House	Lite Steel Structure House
			
Product Lifespan	More than 50-70 years	Around 50 years	Around 40 years
Fire-resistance	2 hours	2 hours	1 hours
Installation	10m2/worker	0.7m2/worker	3m2/worker
Structural Integrity	600mm with Built-in	Concrete Column	610mm with Additional
Decoration	Easy and Various	Timely, complex	Easy and Various
Earthquake Resistance	Level 8	Not Anti-Earthquake	Level 8
Wind Load	180km/h	118km/h	120km/h
Sound Insulation	40dB	38dB	30dB
Thermal Resistance Coefficient	0.869W/m.k (96mm wall thickness)	0.869W/m,k (250mm wall thickness)	Less than 0.869W/m,k (Determined by material)

ECONEL Building System – The Advantages

Easy Assembly – save 80% on Total Construction Cost

- Saving Time cost: Time to connect 2 panels = 2 minutes
- Saving Labor cost: 1 man day = 8-10 square meters
- Saving Equipment cost: No cutting, No welding
- Saving Foundation cost: 40-50% reduction



Reserved the holes for the beam installation in advance.
Save measurement time in the field, and avoid measurement errors and waste time.

New Technology Green Material

- No Asbestos or harmful chemicals. Attached with special waterproof adhesives
- Structure and Insulation surface all in one
- Can be recycled

General construction process utilizes a track system laid on the foundation, onto which the panels are positioned. The process is very fast and requires only basic construction tools and minimum skilled physical labor. A demonstration of how this process is done can be seen here:

<https://www.youtube.com/watch?v=PCvAzs-QHgg&list=PLkUYn2xW-hULvRfPXkYzex1KJ7fpc2F4Y>

Property Examples

Homes



2025 Villa Project in USA

The project is located in Texas, USA. Highly modernist exterior design. 171 m², 3 bedrooms, 3 bathrooms. Perfect combination of comfortable living experience and captivating appearance





Multi-Family/Commercial



2025
dormitory Park
project

CATL Workers' Park Project in Hungary, totally 40000m2 with 14 units 3 floor dormitory building and 6 functional areas building. From the design to installation one stop service.



Prefabricated Box/Container Systems



2023
Prefabricated

In 2023, America exported 30 sets of Apple cabin. All the work is prefabricated in the factory with one-stop service



2024
Prefabricated

In 2024, Dominican Republic exported 10 sets of 2-floor Apple cabin. All the work is prefabricated in the factory with one-stop service

