INTERBERG completes its wide product portfolio with this Modular House Solution program that makes INTERBERG to be the only company in the world involved in the emergency power supply and stored energy business being capable to offer and to provide complete, full and ultimate solutions, thanks to its unique capability to supply a real full product package:

- Batteries (Lithium, NiCd, Lead-Acid),
- Battery Chargers / Rectifiers,
- Uninterruptible Power Supply (UPS) Systems,
- Off-Grid Solar Power Generation Systems,
- Off-Grid Wind Power Generation Systems,
- Hybrid Solar-Wind Power Generation Systems and

**MODULAR HOUSES**

to keep being the most innovative company in the world’s energy business, offering stored energy and emergency power supply solutions to everybody, whilst supporting those in need through humanitarian and disaster relief solutions with the supply of our Modular Houses that provide unparalleled comfort to the occupants thanks to our unrivaled capability to supply the complete package of solutions that includes the autonomous production of energy (off-grid solar and wind power systems) and the preservation and administration of the produced electricity (batteries).

INTERBERG Modular House Division is specialized in developing, designing and manufacturing prefabricated houses, modular houses and light steel villas. INTERBERG is already successfully promoting its prefabricated houses, modular houses and light steel villas in Europe, the Middle East, Africa and Latin America.

**MAIN PRODUCT LINES**

Our Modular House Product Lines: Modular Houses, Steel modular Villas, Prefabricated houses for residence, joint houses, golf adjunctive houses, vacation resort villas, tourism and week-end houses, hunting houses.

**Traditional Prefabricated Houses**

The traditional prefabricated houses can be used as: Homes, Offices, Rest-rooms, Control-rooms, Classrooms, Hospitals, Dormitories, Show-rooms, Warehouses, Shops, Workshops, for Public and Social purposes (libraries, dispensaries, police stations, military barracks) etc.

Advantages of the prefabricated houses:

1. Easy to assemble and disassemble. It can be removed more than 10 times, and it can last 20 years or longer
2. This house is a kind of light steel structure modular housing and it has low cost and good ability to assemble and disassemble on site.
3. The floor, ceiling, water system, electricity system are optional for your choice.
4. The assembly and dis-assembly of all the components of the prefabricated house can be easily made. This makes the traditional prefabricated house style to be widely used for workers dormitories and on-site offices, etc.
Container Houses

Container House Technical Specifications:

- Container Steel Frame: Container’s frame is manufactured of high-quality galvanized structure steel.
- Container Exterior Surface Covering: Color steel sandwich panel with EPS, PU or Rockwool insulation. Container’s body sheet is demountable; therefore it is easily replaced if it is damaged for any reason in the future.
- Container Interior Surface And Ceiling Covering: PVC paneling (if required fiber-cement lam can be used.)
- Container Wall insulation: 50mm thick expanded poly-styrene foam (16kg/m³). Fire resistance class B1.
- Container Roof insulation: 80mm mattress glass-wool (14kg/m³)
- Container floor system and covering: 2.5mm thick PVC roll over 15-16 mm thick non-combustible fiber-cement board.

Light Steel Villas

The main structure of this kind of prefabricated house is its light steel or sandwich panel structure that provides the building a 9-12 grade hurricane resistance level.

GENERAL CHARACTERISTICS

Green & Sustainable

Mineral wool which is used primarily for insulation in the structures can be recycled.

The structure is made from steel and once the client has no further use of the structure the steel can be recycled.

Our manufacturing facilities are energy efficient with strict governance on wastage of materials and water supply.
Cost Saving

Transportation costs are reduced by up to 75% compared with Traditional Architecture or modified containers.

Construction time is reduced by up to 40% saving time and money.

The ability to change internal layouts or relocate structures provides cost savings.

Flexible Combination

These modular cabins can be assembled and then dis-assembled for retransportation via road, train or sea.

Individual cabins can be linked together to form larger structures at ease, through the SLK (Smart Linking Kit).

Internal wall panels can be removed and changed at the clients’ discretion to provide flexible layout options.

This clearly improves the comfort conditions and ensures the ‘Modular’ concept to be real and true, as the client will always have the last word as regard to the house’s final layout, fulfilling the idea of full modularity.

Fast Construction

Turn-key solution due to all components being flat packed, including the roof structure, floor, wall panels, doors, windows and interior decoration.

Up to 40% time saving on construction over convention building techniques due to all structural elements being prefabricated.

Construction of a single cabin can be undertaken with only two skilled workers.

Easy and Efficient Transportation

Sea Freight

The INTERBERG cabin structure, when flat packed for transportation, is designed in accordance with a standard ISO shipping container. The corner casting structure enables lifting capability utilizing a crane in the same manner as a standard ISO shipping container.

On Site Transportation
The dimensions of the forklift pockets on the cabin structure are 85mm x 260mm which enables forklift capability on site.

On-Road and On-Rail Transportation
Due to the structure being of the same dimensions as a standard ISO shipping container, both road and on-rail transportation are possible and easy to handle.

Quick Installation

INTERBERG Modular Houses are easy to install. Complete, thorough and easy-to-follow erection and installation instructions are provided. For most of the models no specialized installation teams will be required. For major projects involving a large number of buildings INTERBERG can provide the corresponding assistance and/or the services of an INTERBERG installation team.

FULL LOGISTICS PACKAGE

On request, INTERBERG can provide full logistics on ‘turn-key’ basis, especially in the case of industrial, mining, military and/or humanitarian or disaster relief projects. The Full Logistics Package will include the transportation, and complete installation of the houses on previously prepared adequate foundations.

WHY A MODULAR HOUSE?

Modular Homes Mean Savings

Modular buildings began simply, with prefabricated units to be used as construction trailers or temporary classrooms. Now, the only limit is your need and imagination. Modular space can be multi-storied and cover thousands of square metres. Custom designed prefabricated buildings can be as beautiful as they are functional.

Take a look and see why modular construction is the smart solution to your space needs!

Choose Modular Buildings When You Want ...

Speed - Modular buildings reduce your "time to occupancy" to unbelievable proportions; container homes can, even, be occupancy ready in a few days time.

Quality - Factory conditions offer the ability to perform extensive quality control, avoiding many imperfections frequently found in onsite projects. Protection from the elements increases quality, as...
does the ability to fabricate modular space in a factory setting utilizing a specialized assembly line manufacturing process.

**Savings** - Modular construction is tightly controlled in the plant environment, substantially reducing waste and construction cost.

**Green** - Modular space is a great way to practice environmental responsibility. Pre-fabrication of modular space keeps waste to a minimum, permits disassembly to reduce the demand for raw material, and minimizes the impact on the surrounding site environment. Modular buildings are inherently “Green” since they can be relocated and reused time and again.

**Flexibility** - Portable, re-locatable, prefabricated buildings - all communicate flexibility that is one of the key elements of modular space. Whether you require temporary or permanent buildings, modular is the alternative solution you’ve been seeking for your commercial modular needs.

**Choice** - You have the option to design a modular floor plan according to your unique needs, or to choose from a number of existing floor plans. To create a custom look, you can select from a wide array of interior and exterior finishes.

**VARIETY AND MODELS**

INTERBERG Modular Homes welcomes and accepts the client’s (end user’s) own home design wishes and ideas and adapts these, as much as possible, to the existing pre-designs.

For those wishing a ready-made solution and just getting the keys when the erection is completed, INTERBERG offers a variety of models, designs and floor plans adapted to all pockets.

Here a few examples of house models:

**LIGHT STEEL VILLAS**
interberg batteries
mirador de despeñaperros 17
28400 collado villalba (madrid)
Spain
Prefabricated Houses
Renewable Energy and Modular Houses

Solar Off-Grid Power Generation Systems provide a reliable, economic and environmentally friendly alternative for electrical power supply needs and is, therefore, ideal for remote and rural electrification, but also for ordinary residential use, as it provides full independence from the public power grids and protects you from rising energy costs and eventual abusive tariff practices. INTERBERG Off-Grid Power Generation Systems (Solar or Wind) are environmentally friendly and a cost-effective energy supply that contributes to reach a better, cleaner, economically affordable and sustainable source of reliable energy that is available to everyone everywhere. Off-Grid Power Systems are both a financially intelligent and environmentally conscious investment that offers the following:

BENEFITS AND ADVANTAGES

Positive Financial Returns
Most solar and wind power projects are cash-flow positive from day one, based on creative and widely available financing vehicles, frequently sponsored, financed or supported by governmental and international development projects and agencies.

Protection against rising electricity prices
The generation of electricity provided by an Off-Grid Power System provides full and absolute independence from the national power grids, thus ensuring a permanent protection against rising electricity prices. The electricity generated by your Off-Grid Power System will not be affected by the cost fluctuation of fossil fuels or by the development and maintenance of electricity delivery infrastructures whatsoever.

Renewable Power Generation
Solar or Wind electric power is a 100% renewable energy source. In addition, it is environmentally friendly as it is emissions free.

Reliable and Low Maintenance
Off-Grid Power Systems are made of solid, long lasting materials and components that ensure a very long system life expectancy. Their configuration and characteristics make the Off-Grid Power Systems be easy maintenance and also easy operation.

Zero Emissions
Solar Energy generation produces no emissions. Therefore, they can be easily sited in dense populated areas, on rooftops, car parking structures or on the ground.
Storage Batteries for Solar Systems:

Different options (listed from best to worst) can be found in the market for this essential component of a PV system:

- Lithium (LiFePO4) batteries,
- Ni-Iron batteries,
- Ni-Cd (Interberg SNC) batteries,
- Vented Tubular Plate (OpzS) Lead-Acid batteries,
- Sealed Tubular Plate (OpzV) Lead-Acid batteries,
- Sealed VRLA-AGM batteries and
- Sealed VRLA-Gel batteries.

Energy Saving Tips

There are plenty of ways to cut down on energy costs. These are just a few:

1. Turn off your appliances when you’re not using them. Computers and televisions continue to use energy even when they’re in standby mode.

2. Only run your dishwasher, dryer, or washing machine with full loads.

3. Use energy-efficient light bulbs in your household lamps.

4. Set your thermostat at a comfortable but moderate temperature - not too warm in the winter, not too cool in the summer.

5. Take shorter showers and avoid baths.

6. Seal your windows and doors. Preventing warm or cold air from escaping will make a significant difference and you will be contributing to the climate preservation.
interberg Modular Houses and Off-Grid Power Systems for a Clean Environment!

interberg Modular Houses And Off-Grid Power Systems for a better and comfortable life for everyone!