

Ingeteam

READY FOR YOUR CHALLENGES

www.ingetteam.com

INGEHOUSE

Modular Solutions for Premanufactured Electrical Rooms

- 01 Integral Solutions**
- 02 Sectors and Applications**
- 03 Systems and Equipment**
- 04 Value Proposal**
- 05 Ingeteam Solutions**

01 Integral Solutions

INGEHOUSE offers Modular Solutions for Premanufactured Electrical Rooms for the integration of electrical systems in premanufactured, strong, transportable relocatable encirclings.

Its modular, flexible design can be adapted to any requirement and any equipment configuration. The transport logic is considered from the design phase.

Depending on the equipment configuration to be installed and on the physical limitations of the installation, INGEHOUSE system has encirclings in two versions.

INGEHOUSE ISO

Enclosure with standard measurements ISO container (ISO 668, ISO 1161) for efficient and safe transport and handling by any means.

Larger enclosures can be supplied as a combination of several modules
It allows stacking to get rooms with several levels.



INGEHOUSE MOD

Modular solution for customized designs on the basis of the project and customer needs.



INGEHOUSE is the alternative to traditional electrical rooms, offering a fully assembled, tested solution from the workshops themselves, transportable, adapted to the most severe environmental conditions and easy to install on site, as well as relocatable when required.



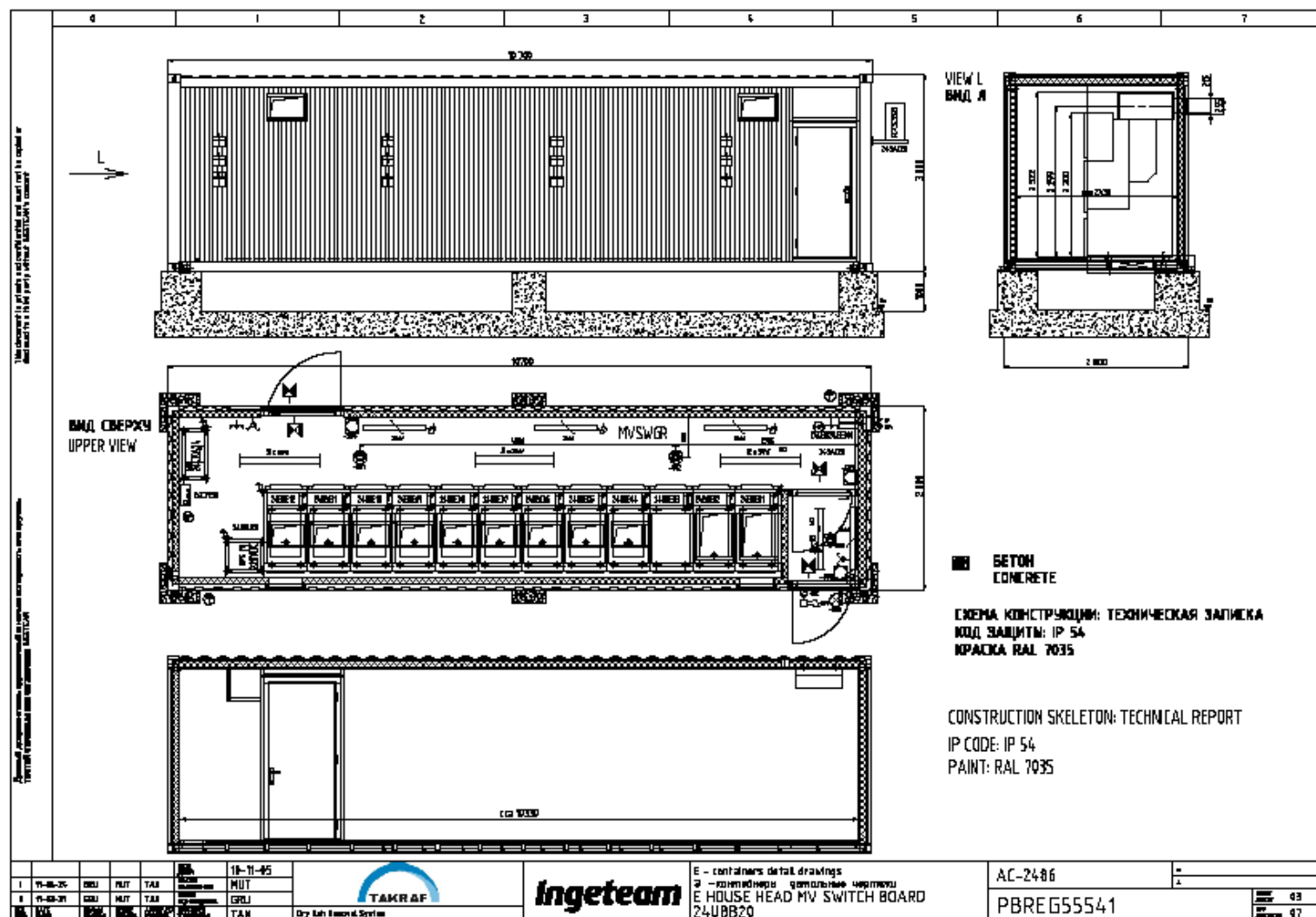
02 Sectors and Applications

INDUSTRY

The INGEHOUSE solution is widely used in different industrial sectors and especially in:

- Mining
- Oil & Gas
- Iron & Steel Industry
- Water Resources and Environment





Russia
Mining



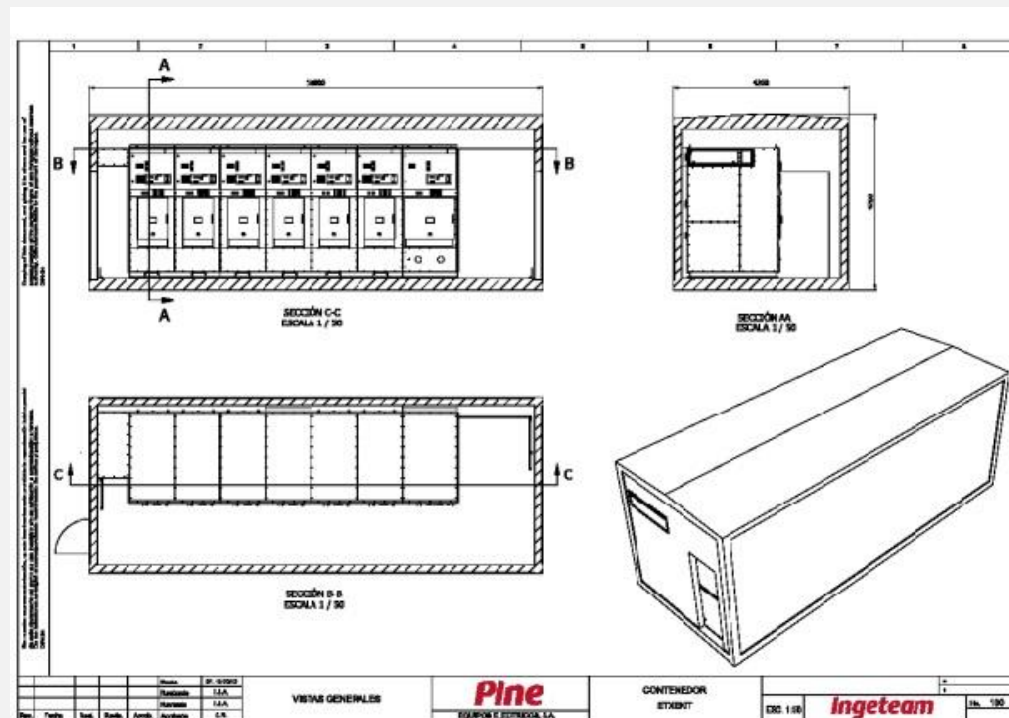
ENERGY

INGEHOUSE offers modular solutions adapted to meet the requirements of various sectors:

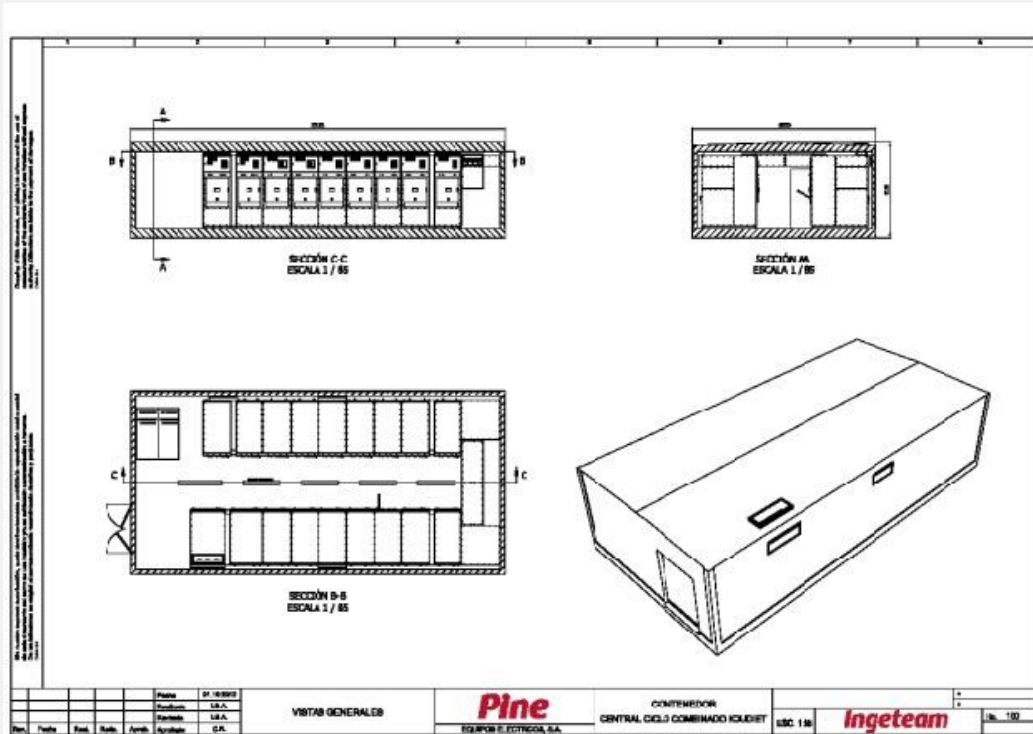
- Wind Generation
- Solar Generation
- Distributed Generation and Storage Networks (DER)
- Substations



Thermal Power Station



Angola Combined Cycle Plant



Italy
Photovoltaic Plant



03 Systems and Equipment

GENERALITIES

Characteristics:

1. Modularity: for easy transport they can be divided and assembled on site.
2. Variety of construction elements: structural steel structure and different types of enclosure.
3. Designs for special conditions: corrosive environments, high dust concentration, extreme seismic activity, extreme temperature environments.



INDOOR EQUIPMENT

Access:

Access design adapted to each implantation.
Access control and presence.



Safety:

Fire detection and extinction systems suitable for the use and characteristics of the electrical room.



HVAC:

Different systems and dimensioned solutions to dissipate the thermal loads of the equipment and keep the enclosure in the prescribed temperature range.



Presurization:

Independent equipment for pressurizing and filtering dust (cartridges or sleeves) with self-cleaning.

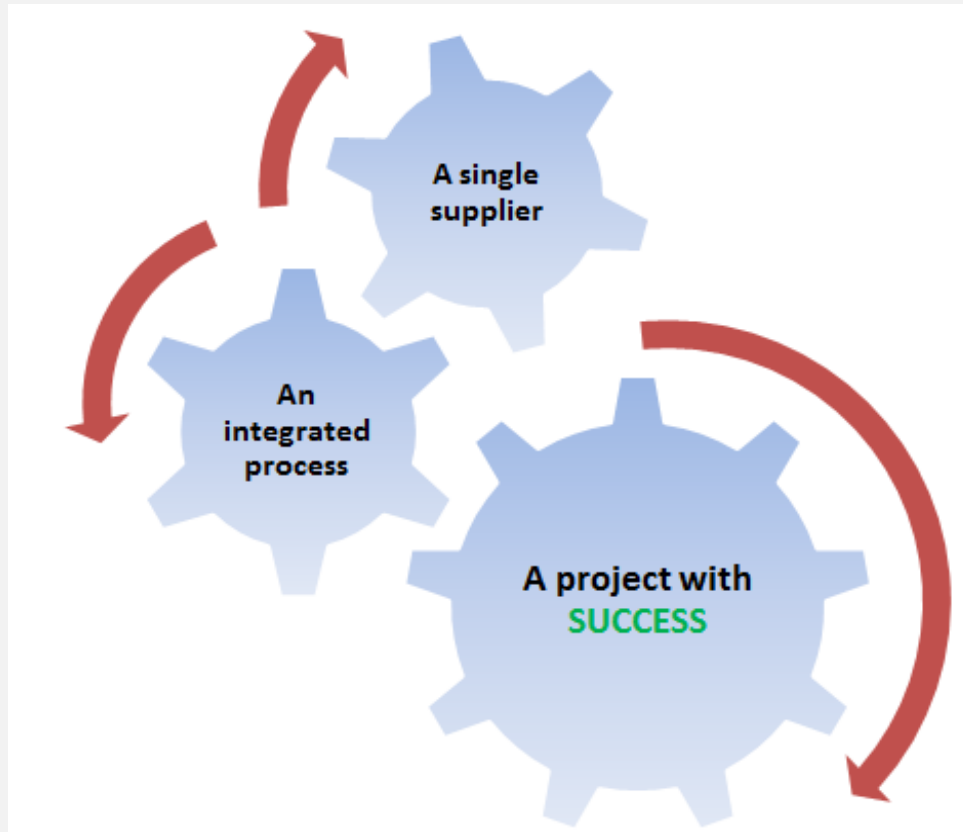
Lighting:

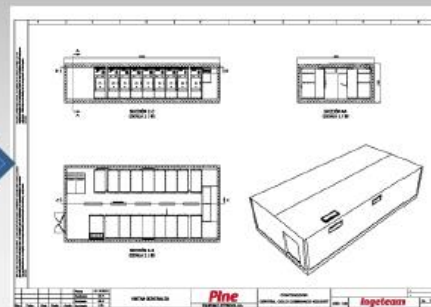
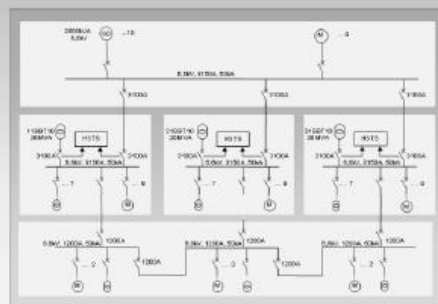
- Interior
- Exterior
- Safety



04 Value Proposal

INGEHOUSE is an **integral** solution that **enables customers** to deal with a **single supplier**, from the design phase to the final installation on site.





Client

Inge-house

INGEHOUSE significantly reduces the investment cycle time, from the issue of the purchase order to the commissioning of the equipment:

- The delivery time of an entire INGEHOUSE room is only 2 3 weeks longer than the delivery time of the equipment separately.
- The equipment is delivered fully tested in either its basic functionality or that of the auxiliary facilities (FAT tests).
- Transport logistics are simplified and shortened.
- Field works (civil works) are drastically reduced in cost and time.

INGEHOUSE reduces the amount of investment, operation and maintenance of the installation:

- There is no need for site work.
- No highly specialized personnel are required for installation.
- The designs are optimized for the needs of the client, and can be expanded according to future needs.
- It can be installed near major consumers, reducing losses and cost of interconnection.

INGEHOUSE reduces the necessary resources that the property must dedicate to the different activities of the investment and **guarantees** a commissioning in a minimum time:

+	-
ROI Supply Integration Reliability Design Flexibility Possibility of Modifications Relocatable	Investment Cost Delivery Term Purchase Management Project Management Transportation Logistics Civil Works & Facilities Service Commissioning Works Maintenance

05 Ingeteam Solutions

INGEHOUSE is a **flexible** solution, capable of housing any type of configuration of Power Distribution Equipment and Control Systems, among others: :

- Battery Power Storage Systems
- Flexible AC transmission systems (STATCOM)
- Variable speed drive systems
- MV distribution centers in fixed, compartmentalized, removable execution:
 - ✓ Distribution Cabinets up to 36 kV
 - ✓ Transformation Centers
 - ✓ Motor Control Centers (MCC) up to 7.2 kV