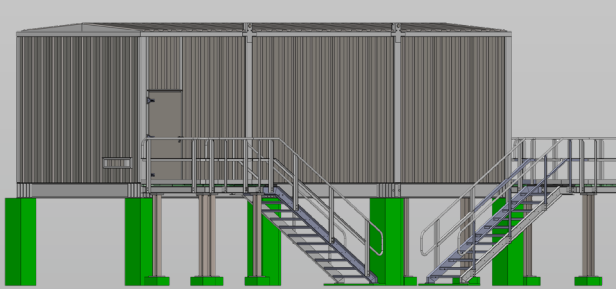




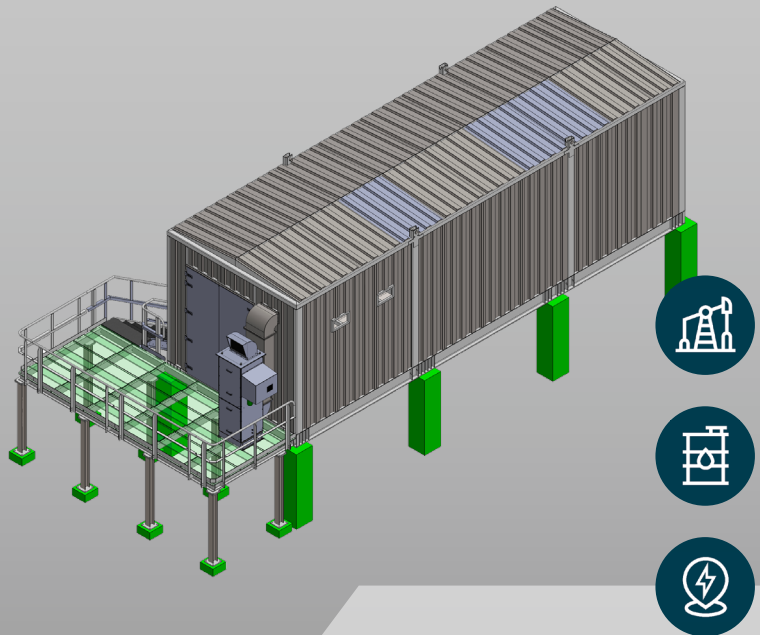
E-House electrical buildings



HAZARDOUS-AREA SUITABILITY

ATEX / IECEx

Blast-resistant • Fire-rated



Prefabricated modular electrical buildings — blast-resistant auxiliary rooms, electrical substations and local equipment rooms — engineered and tested in-house to client specification.

* PRODUCT OVERVIEW

Blast-Resistant Auxiliary Rooms

Structures that protect personnel and critical equipment in industrial areas at high explosion risk, typical of Oil & Gas, petrochemical and power plants. Each unit is engineered, built and tested in-house to client specification, in full compliance with the specified blast loads and applicable international standards.

Modular Electrical Substations

Prefabricated substations that house and protect power distribution and control equipment across complex industrial sites, ensuring reliable management and distribution of electrical power. Engineered, built and tested in-house, with full integration of the electrical equipment to project requirements and applicable standards.

Local Equipment Rooms

Technical enclosures for electrical equipment, instrumentation and control panels installed close to the process areas. Engineered, built and tested in-house to client specification and applicable international standards, ensuring equipment protection and safe local control.

E-House

* SPECIFICATIONS

Configurations

Blast-resistant rooms; Substations;
Equipment rooms

Design approach

Custom engineered & tested
in-house

Hazardous areas

Suitable for ATEX / IECEx classified
areas

Protection

Fire-rated / blast-resistant

* MATERIALS

Carbon Steel

Stainless Steel (INOX)

Aluminium

* INSTALLATION

Onshore

Offshore

* ENVIRONMENTAL AND OPERATING CONDITIONS

- **Structural design:** Engineered for severe conditions – pressure, temperature, wind and snow loads, seismic actions.
- **Onshore & offshore:** Structural and environmental design ensures performance and integrity under all installation conditions.

* SAFETY AND PROTECTION

- Design compliant with applicable standards and regulations.
- Resistance to severe operating conditions.
- Fire-rated and blast-resistant solutions.
- Integrated fire-fighting and gas-detection systems.
- Suitable for ATEX / IECEx classified areas.
- High operational reliability.

* TESTING AND QUALITY CONTROL

Dimensional
control

Painting & coating
test

Electrical
continuity, rigidity,
earthing, insulation

Functional
equipment test

Rain
test

Load / drop
test

Pressure
test

Leak
test

Weld inspection
PT · MT · UT

Thermal
-35 °C / +70 °C

* CERTIFICATIONS

ISO 9001:2015

UNI EN ISO 19443

CSA W47.1

A660 CANADIAN STD

ISO 3834-2:2021

UNI EN 1090

ISO 45001:2018