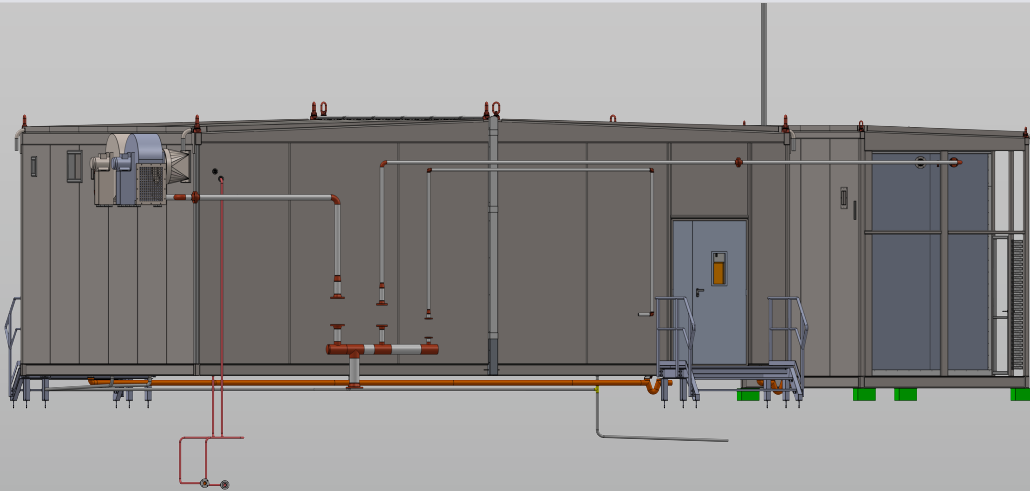




INDUSTRIAL ENCLOSURES • LABORATORIES

ALEX SISTEMI S.P.A.

Custom-engineered laboratories



THERMAL TEST RANGE

-35 °C / +70 °C

ATEX / IECEx • Fire-rated



Custom-engineered laboratory enclosures for hazardous industrial environments — fire-rated, blast-resistant and suitable for ATEX / IECEx classified areas.

* PRODUCT OVERVIEW

Alex Sistemi laboratories are custom-engineered enclosures dimensioned to project requirements and built in carbon steel, stainless steel or aluminium to ensure structural integrity under severe environmental and operating conditions. They serve demanding industrial sectors including oil & gas, power generation, petrochemical, chemical and marine. Standard-compliant construction covers fire-rated and blast-resistant solutions, integrated fire-fighting and gas-detection

systems, and suitability for ATEX / IECEx classified areas. Every laboratory is engineered, manufactured and tested to deliver reliable operation across onshore and offshore installations.

Laboratories

* SPECIFICATIONS

Overall dimensions

Custom engineered per project requirements (L × W × H)

Thermal test range

−35 °C / +70 °C

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