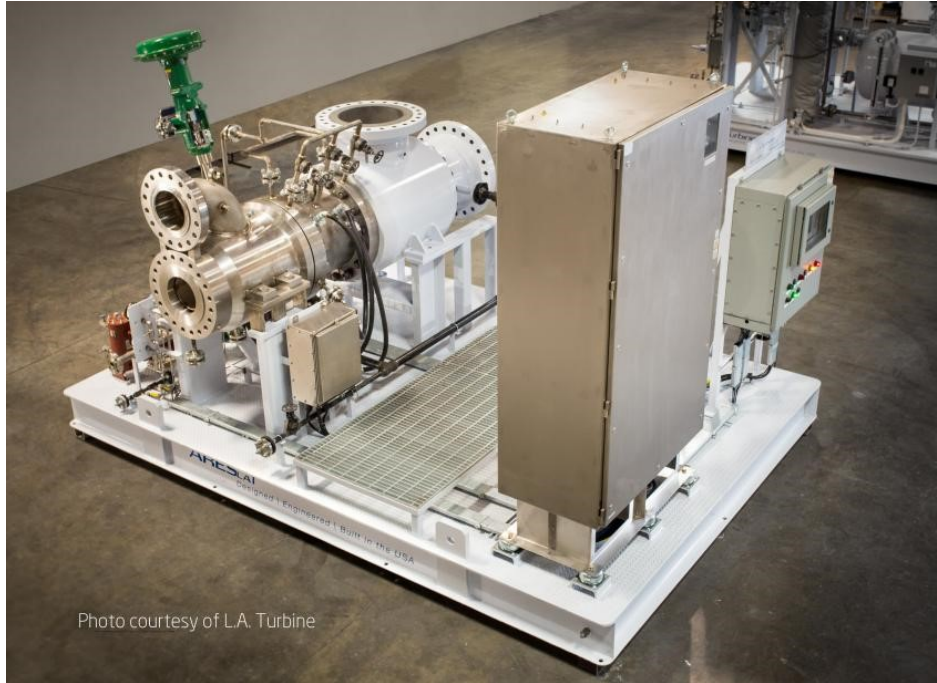


Spin doctors

Working with the world's leading magnetic bearings manufacture to develop a UL compliant hazardous area control system.



Project Brief

To develop a UL compliant purged & pressurized enclosure for a high-powered magnetic bearing control system

Challenges

Create a standardised enclosure design that was suitable for a wide range of low & high-temperature ambient conditions

Many of the internal components were heavy, requiring complex and precise mounting arrangements

The core control module had a high heat output when in operation

The requirement to use all UL approved components to ensure acceptance in the North American market

Outcome

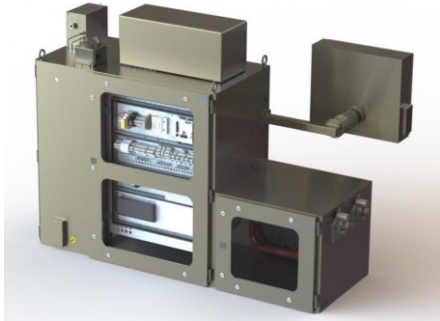
A heavy-duty, insulated UL approved 4X enclosure, with a custom internally mounted purge system, suitable for installation with low ambient temperatures

A UL approved air conditioning unit installed for installations with high ambient temperatures

Certification: UL

Expo Products and Services

Custom Enclosure Service



With Expo's fully custom process, a dedicated engineer will work with you to develop exactly what you need and agree on a detailed budget and project timeline with milestones. As this is a highly flexible service, we can adapt the plan if your project requirements change.

[Click here](#) for more information.

Design and Consultancy services

Expo Technologies' team of consultants and certification engineers have the experience and knowledge to support our customers through the certification process for equipment to be used in Hazardous Areas.

From concept design through to maintenance, Expo Technologies works with you to reduce the risks and accelerate your entry into global markets.

[Click here](#) for more information.

