

Keeping cool

Working with a leading manufacturer of industrial heating systems to develop a large, multi-compartment Ex p panel.



Project Brief

The client required a very large purged and pressurised enclosure to contain the control systems and thyristors for a large heating application in a hazardous area.

Challenges

Design and construct a large multi-compartment Ex p enclosure suitable for a wide operating temperature range of -20 to +70oC

Bespoke door-mounting arrangement required for client's certified buttons and lamps.

Thyristors have a high heat output, so a special cooling solution was required.

IECEx certification was required for zone 2

Outcome

A heavy-duty, 4 door enclosure, with a custom internally mounted X-purge system for elevated external temperature operation

Certified internal anti-frost heating for low temperature system starts

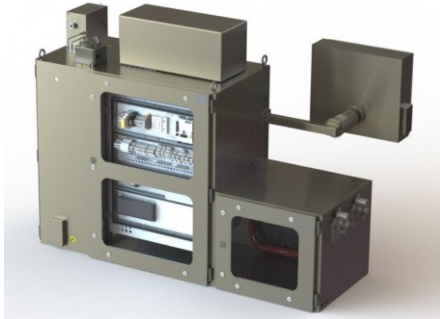
Special non-gland cable transit system

An IECEx approved air conditioning unit installed to remove the high internal heat load

Certification: IECEx

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.



Certification consultancy

Our Certification Engineer works with the customer through a standard, well-proven process to make sure the design is compliant with the Expo's Schedule of Limitations (SoL), ensuring successful project completion. The SoL defines the scope of what can be certified under Expo's populated enclosure certificate and is broad enough to cover most applications.

[Click here](#) for more information.