



CERTIFIED HABITAT SOLUTIONS

WELDING HABITAT: ATEX & IECEX CERTIFIED SOLUTIONS

Revolutionary ATEX and IECEX Certified Zone 1 Pressurized welding enclosure to make the world's most hazardous areas safer.



KEY FEATURES OF THE CAIRN COCOON WELDING HABITAT

Modular and Flexible Design

- Constructed from anti-static and flame-retardant material
- Adaptable and can be installed around any part of your energy facility, providing a robust barrier against ignition sources and flammable atmospheres.

Pressurization for Safety

- The habitat is maintained at a pressure of at least 25pa using a portable fan, ensuring that flammable gases cannot infiltrate through the habitat panels or openings.
- An air lock system maintains pressure during entry and exit, further preventing gas ingress.

Advanced Control System

- A sophisticated control system continuously monitors for flammable gases, toxic gases, oxygen depletion or enrichment, pressure, high temperatures, and airflow within and around the habitat.
- It automatically shuts down hot work tools in case of an alarm condition, and provides visual and audible alerts to ensure immediate awareness and action.

Customizable Modules:

- The modular nature of our control system allows for the integration of additional devices such as gas detectors, emergency stops, and alarms, tailored to meet specific project risks and challenges.