

## APPLICABLE FOR:

- ✓ Civil Defence Shelters
- ✓ Blast-Hardened Structures
- ✓ Critical Infrastructure / Strategic Assets
- ✓ Command and Control Centers
- ✓ Hazardous Industries (Oil & Gas, Chemical and other)



ESL-CO2 Removal unit

## Temet's ESL-CO2 Regenerative Carbon Dioxide (CO2) removal unit:

The fully automatic unit has been designed to ensure staff survival in any facility with a gastight envelope that needs to be fully closed for a long period of time. Temet's CO2 removal system is a standalone unit used during the close-up mode when no fresh or purified air is available at the facility.

The unit comprises of two parallel lines. When the first line is removing CO2 from the air inside the protected area, the other line is regenerating. The oxygen level can be controlled by the system if the optional Temet LKJ-O2 oxygen supply system is installed.

## Highlights and Characteristics:

- Installed in numerous applications and approved by various government and civil organizations
- Occupies less space than any other corresponding system with no need for additional storage space for new or used filters
- Fully automated stand-alone unit
- Connectivity to building management system (BMS) and shelter control system (SCS)
- Ground shock isolated
- Self-diagnostics included to ease the maintenance and service of the unit