

/strata protect

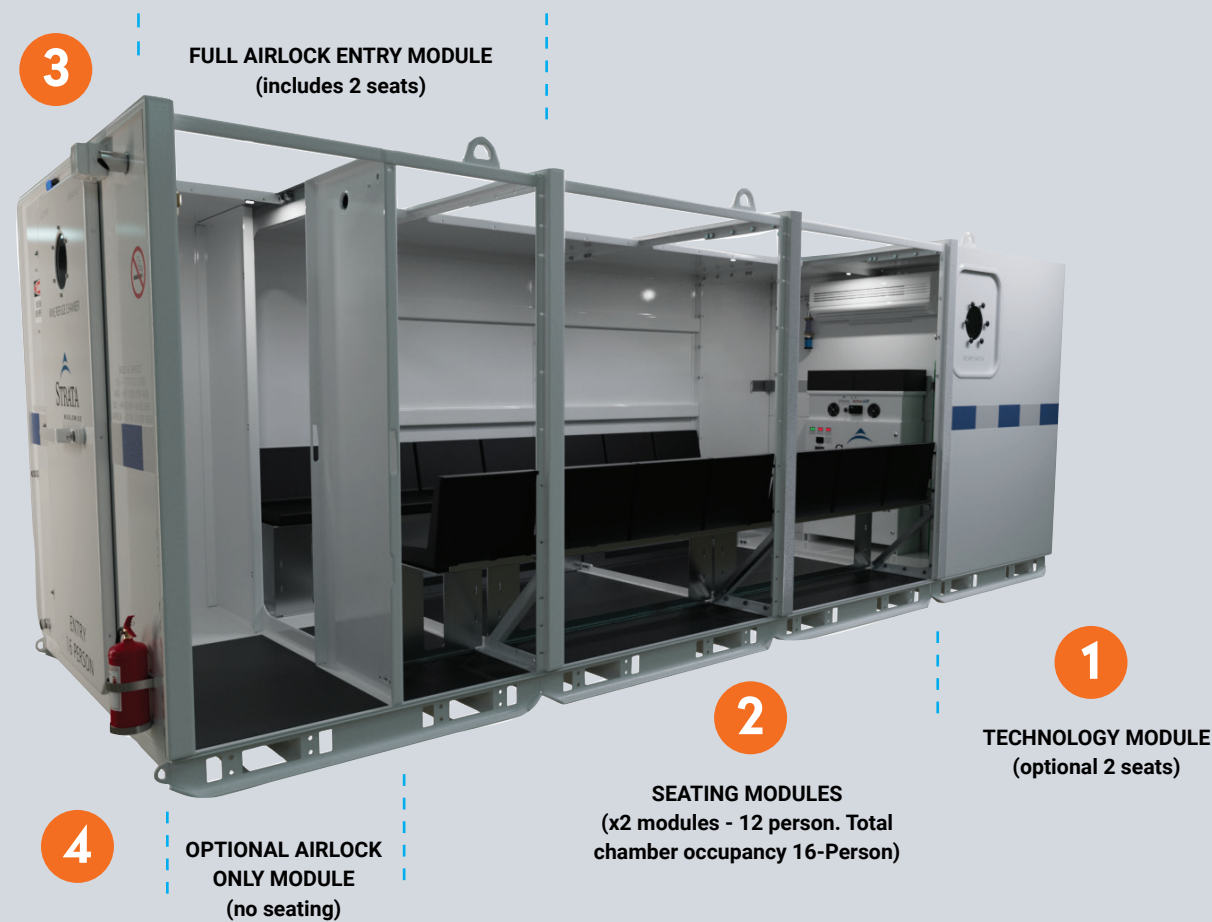


The Strata ERCM is a modular-style emergency refuge chamber. It is constructed in sections that can be assembled either before or after delivery. The modular design offers several advantages, including greater sizing flexibility, easier transport and handling, shorter delivery lead times, and overall lower cost of ownership.

Strata **Emergency Refuge Chamber Modular** (ERC)

A Cost-Effective Modular Chamber that Offers Increased Flexibility





STAND-ALONE BREATHABLE AIR SYSTEM

- Strata ActiveAIR® carbon dioxide scrubber removes CO2 using soda lime
- Premium grade soda lime with 10-year shelf life from date of manufacture (DOM) packaged in spill-proof cartridges
- Automated timer with audio-visual alarms for cartridge change-out schedule. Back-up chart provided.
- Built-in O2 and CO2 gas detectors with digital read-outs
- Individual cylinder, valve-mounted regulators with flow meters, to regulate O2 supply.

ERCM MODULAR SECTIONS

- 1. Technology Module** – The rear section which contains essential systems and components including the Strata ActiveAIR® breathing air system with gas monitoring, air cylinders, batteries, power station, and air conditioner.
- 2. Seating Module** – Middle section with seating for six (6) people. Seating modules can be added or removed to adjust capacity, either at the time of ordering or at a later date.
- 3. Entry Module** – The front section which includes the entry door, emergency lighting, siren, and fire extinguisher. The standard entry module leads directly into the main chamber compartment and includes seating for six (6) people.
- 4. Airlock Entry Modules** – The Airlock Entry is used in environments where a safety airlock is needed to prevent toxic gases from entering the chamber. The airlock consists of the main entry door and a secondary interior door or curtain that leads into the main chamber. An optional purge air system can be used to flush the air from the airlock before entering the main chamber. The Full Airlock Entry Module includes seating for two.

BENEFITS OF MODULAR DESIGN

- **Greater Flexibility** – Size and capacity of the chambers can be modified at a later date as the needs of the project, site and workforce change.
- **Optimized Handling** – Chambers delivered in sections help to overcome handling and shaft restrictions. The chamber is fully assembled underground.
- **Faster Production** – Standardized sections enable units to be produced more quickly and easily
- **Faster Delivery** - Standardized sections are easier to inventory, which reduces lead times and allows for faster deliveries.
- **Manufacturing Economies** – More cost-effective manufacturing leads to a highly competitive price while maintaining Strata's quality.

FEATURES

- Flexible sizing ranging from 4 to 36 person
- Onboard breathing air and power supplies ranging from 12 – 72 hours
- Connection facilities for main air and power sources
- Built-in CO2 and O2 gas detection sensors
- Optional CO, SO2, CH4, NO or NO2 gas detection
- Air conditioning and dehumidifying system
- Optional heat pump for either cooling or heating
- Optional airlock entry with or without purge air
- Optional wheel and hitch package
- LED lighting, location siren, and highly visible reflective signage
- Extended life food and water
- Padded seats
- Private lavatory

ERCM SPECIFICATIONS		
	DIMENSIONS	ESTIMATED WEIGHTS
TECH MODULE	2m wide x 1.5 m deep x 2.2 m tall	2800kg/6200lbs
SEATING MODULE	2m wide x 1.5 m deep x 2.2 m tall	1063kg/2350lbs
FULL AIRLOCK MODULE	2m wide x 1.5 m deep x 2.2 m tall	1130kg/2500lbs
AIRLOCK ONLY MODULE	2m wide x .75 m deep x 2.2 m tall	800kg/1750lbs
		*weights based on options



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