

# Emergency Refuge Chambers

The Strata Emergency Refuge Station is a steel constructed refuge chamber that provides quality breathing air to miners in an emergency underground.

- Chambers can be designed to meet individual customers' needs; including physical size and equipment installed.
- Primary operation includes attaching to the mine's main airlines and power sources for an indefinite supply of breathable air and electric power. If mine air is lost, an on-board carbon dioxide scrubber and oxygen cylinders provide 36 to 48 hours of breathable air. If mine power is lost, 36 to 48 hours of battery back-up power operates the CO<sub>2</sub> scrubber, air conditioner, lighting and warning systems.
- Air conditioning units are included to regulate the interior temperature and humidity.
- Stations come standard with fork lift slots, lifting and towing lugs for ease of movement.



AUSTRALIA - Strata Worldwide

# Emergency Refuge Chambers



## FEATURES

- Remote control reverse cycle air conditioner to maintain comfortable environment
- 36 to 48 hr battery back-up power and back up air supplies. These systems are fully scalable
- Low volt LED lighting
- Cushioned seating for all occupants
- Long-Life drinking water and food
- Escape Hatch
- Chemical toilet in a private compartment
- Storage areas
- Airlock Entry with heavy plastic curtains to minimize contaminants entering the station
- Fire extinguisher
- High quality Mine Air Filter System (AS 1715/16)
- External LED location lights and warning siren
- Fully reflective signage for greater visibility

## SPECIFICATIONS

| Size   | Length  | Width   | Height  |
|--------|---------|---------|---------|
| 20 man | 6400 mm | 2133 mm | 2133 mm |
| 16 man | 5600 mm | 2133 mm | 2133 mm |
| 12 man | 4600 mm | 2133 mm | 2133 mm |
| 8 man  | 3800 mm | 2133 mm | 2133 mm |

Sizes can be customized to suit any customer requirements