

SAFETY FIRST

Underground refuge chamber



This chamber is designed to protect the lives of up to 20 workers in case of an emergency underground.

It is made of solid steel plate walls which are built to withstand harsh conditions underground.

The chamber includes:

- A mine radio and telephone for communication to the surface along with a Wi-Fi access point for viewing personal locations via electronic tags fitted to cap lamps.
- Mains power plus a battery back-up inverter (36hrs) system for running power to the lights, emergency lights, siren, carbon dioxide scrubber and air-conditioning to control the heat inside the chamber.
- The unit has filtered mine air plus oxygen cylinders that work in tandem with a carbon dioxide scrubber system to ensure that there is breathable oxygen.
- Water and food supplies, such as muesli bars and ration packs.
- A pack of playing cards to help overcome boredom.

What happens if someone needs the toilet, you ask?
Good news! The chamber contains a small toilet, just in case.