

# CHEMSAFE FUNDAMENTALS



## THE THREE KEY PRINCIPLES

### MAINTAIN

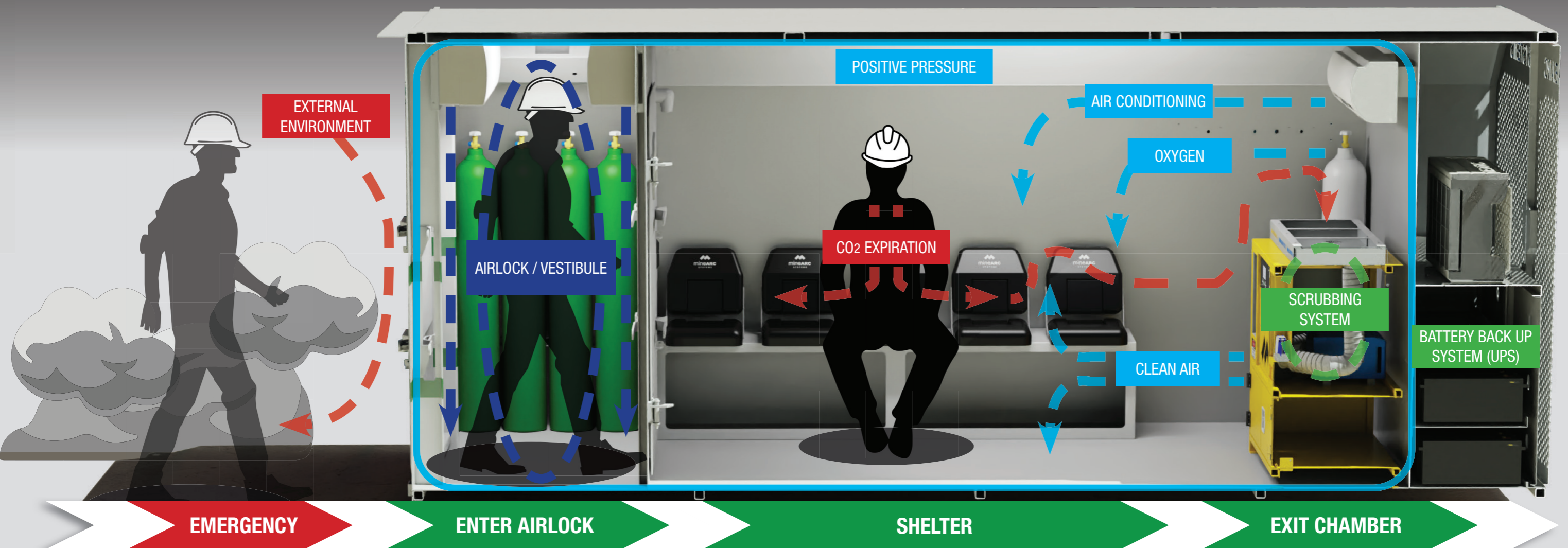
Maintain a sealed internal environment with a positive pressure gradient compared to the external environment.

### MONITOR

Monitor heat and gas levels within the internal environment via the Aura-FX Fixed Gas monitor.

### CONTROL

Respond to increases in heat and gas levels and where applicable activating the life support systems found within the refuge chamber.



#### EMERGENCY

An emergency has taken place and personnel that are unable to evacuate to a safe distance must seek shelter.

#### AIRLOCK/VESTIBULE

An airlock/vestibule improves the ability to maintain a clean internal environment by flushing contaminants before entry into the main chamber. Your chamber might not feature an airlock/vestibule.

#### MAIN CHAMBER

When personnel enter the main chamber, they will be required to activate the various life support systems. Instructions will prompt personnel to do so as and when required. When an emergency is over and the all clear is given, personnel can exit the chamber as per site procedure.

- CO<sub>2</sub>/CO scrubbing
- Oxygen (via an Automated Oxygen Delivery System or manual regulator)
- Gas monitoring
- Air conditioning

All life support systems running in tandem are necessary for the survival of the personnel over an entrapment period.