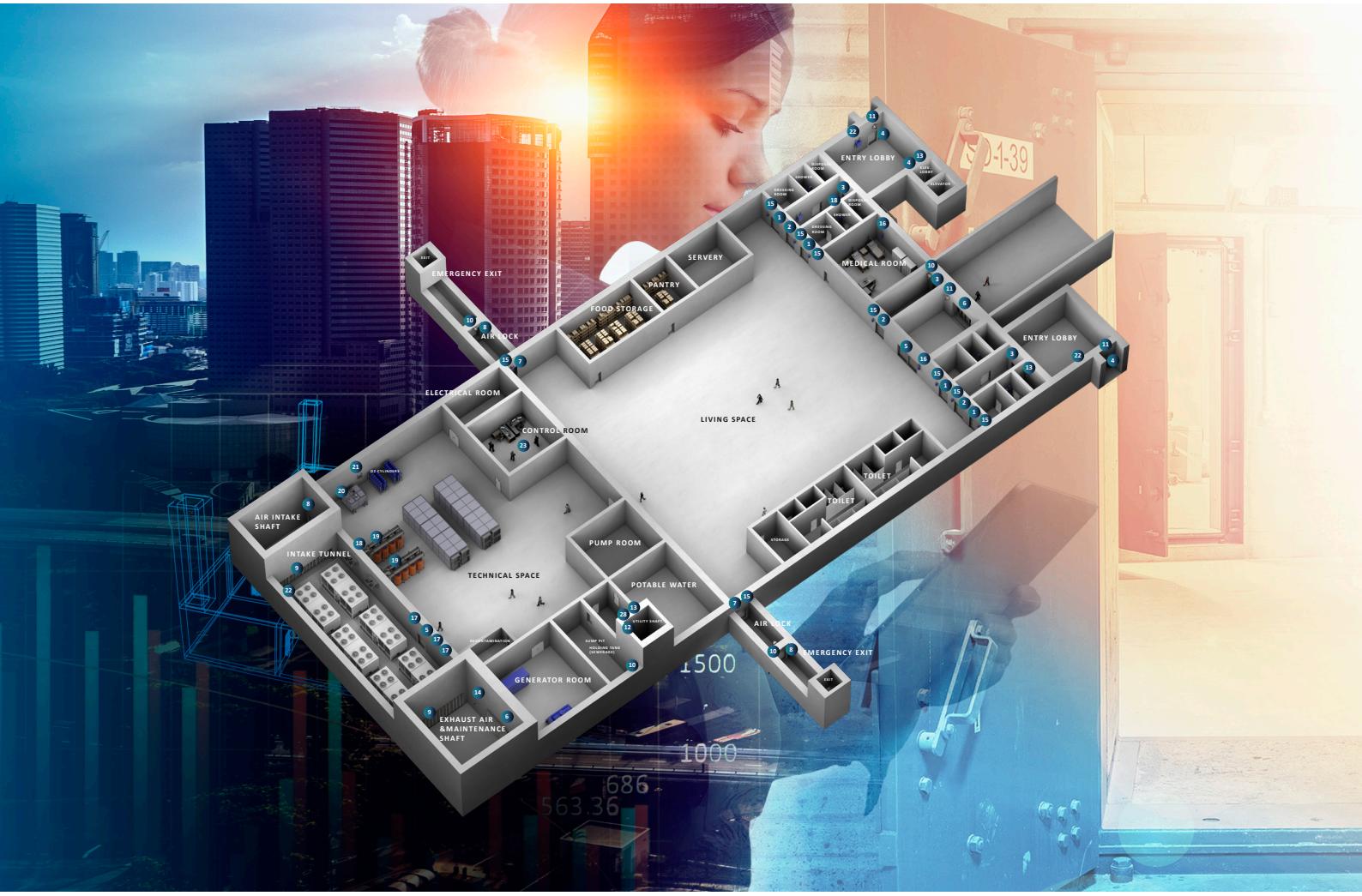
TEMET

SAVING LIVES.



SMART SHELTER SYSTEM

PROVEN BLAST AND CBRN PROTECTION

Temet is the world's leading expert in Blast & CBRN protective equipment.

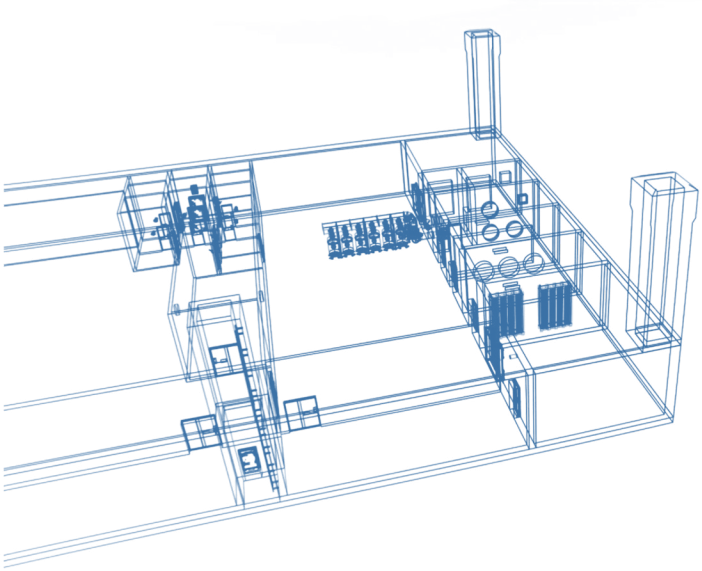
TEMET
– PROTECTIVE SOLUTIONS

CBRN Filtration units

Blast Door and Blast Valves

COMPETITIVE ADVANCE

- Full range of Shelter equipment
- Strong in-house engineering and R&D
- Customization for the client needs
- Field & Lab tested and certified
- Advanced production capabilities with automation and high-quality standards
- 70 years of experience
- >50,000 shelter deliveries
- >85 countries
- Many satisfied customers
- Many lives will be saved



OUR SCOPE OF SERVICES

- Shelter equipment manufacturing - deliveries to over 85 countries worldwide
- Comprehensive product range from civilian shelters to high-class operational shelters
- Technical Consultancy, Shelter Building & Design
- Specific, country-based Technical Regulations and Specifications for shelters
- Shelter Startup & Commissioning

PROTECTS
AGAINST THE EFFECTS

THREAT

The threat against civilian population mainly comes from the air during war time.
However industrial and other types of accidents may cause a large risk as well.

A well designed shelter offers protection against the effects of different threats by providing a hardened mechanical shield against the harmful ambient conditions and sustaining life inside the shelter by temporary life supporting systems.

- Nuclear Weapons
- Conventional Weapons
- Accidents
- Nature disasters
- EMP & HEMP

Dangers to humans and equipment: High pressure blast wave, fragments, heat, radiation and chemical warfare agents (CWA), electromagnetic pulse.

DEFINITION OF SHELTER

Proper shelter is a blast protected, gastight and over-pressurized space with filtration unit inside. Shelters can be designed for many different purposes. Fundamental design is mandatory to ensure proper functionality of shelter.

EMERGENCY DEFENCE ACTIONS

When the threat materializes, emergency defence actions such as evacuation, early warning, sheltering, rescue and first aid will take place. Proper shelter offers protected space needed for these actions.

SHELTER CLASSIFICATION AND TYPES

Temet provides full range of shelter equipment for different protective specifications according to needs and demands of the client from typical public class shelters up to high class operational shelters.

HIGHEST CLASS

MAIN OPERATION CENTER

- Command and Control Centers
- Emergency Response Centers

OPERATIONAL CLASS

SUB OPERATION CENTER

- Military Shelters
- VIP Shelters

PUBLIC CLASS

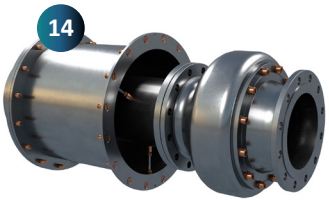
CIVIL SHELTER

- Public Shelters for Civilians
- Private Shelters
- Industrial Shelters
- Equipment Shelters

SMART SHELTER SYSTEM

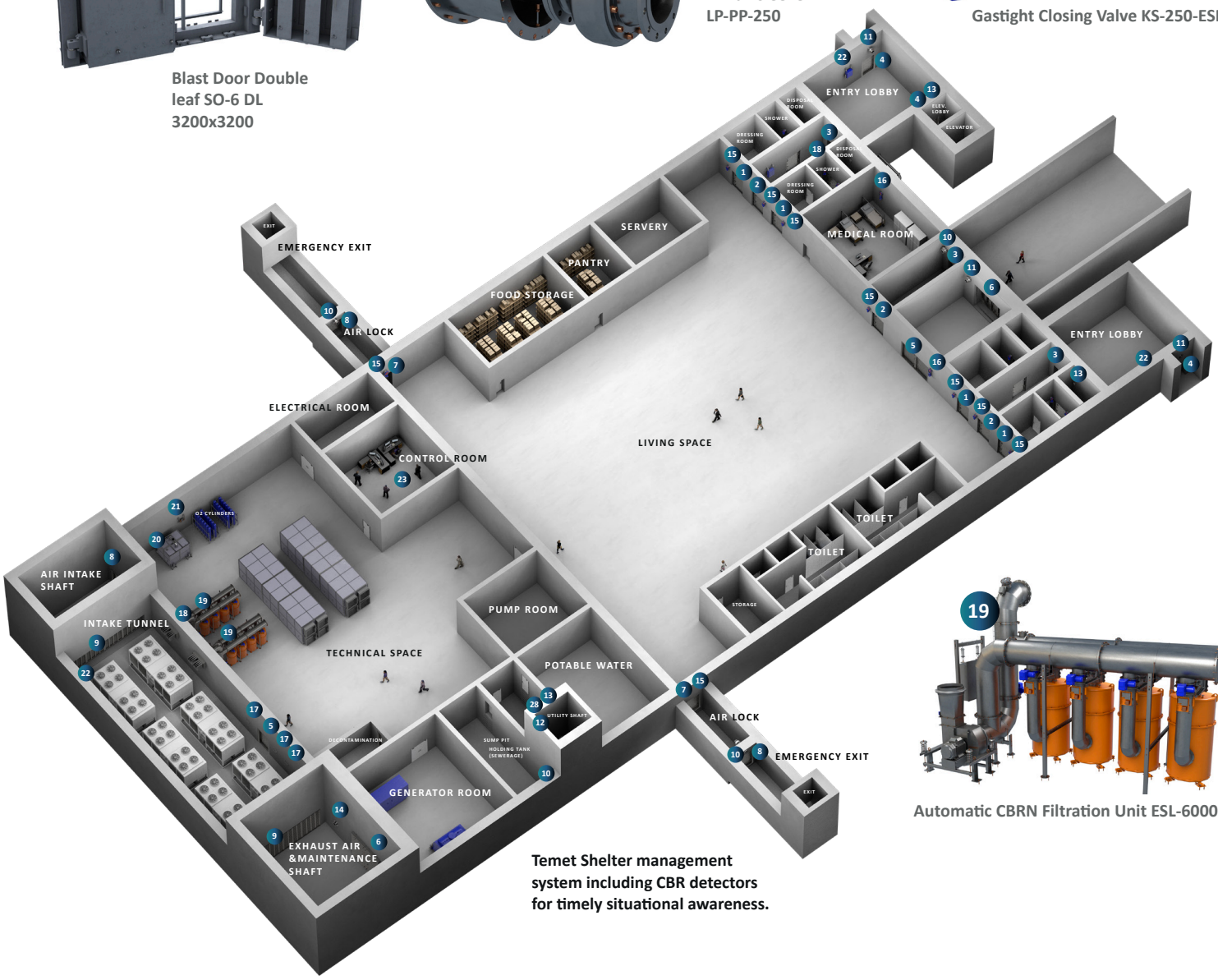
PROVEN BLAST & CBRN PROTECTION

Blast Door Double leaf SO-6 DL 3200x3200



Exhaust Blast Valve PVD-250 + Wall sleeve LP-PP-250

Gastight Closing Valve KS-250-ESR



Temet Shelter management system including CBR detectors for timely situational awareness.

Automatic CBRN Filtration Unit ESL-6000-A

1. Blast Door SO-1 900x2000
2. Blast Door SO-1 1200x2000
3. Blast Door SO-3 1200x2000
4. Blast Door SO-3 1500x2000
5. Blast Door Double leaf SO-1 DL 3200x3200
6. Blast Door Double leaf SO-6 DL 3200x3200
7. Blast Hatch SL-1 700x1200
8. Blast Hatch SL-3 700x1200
9. Blast Valve PV-KK
10. Blast Valve PSV-150
11. Blast Valve PSV-250
12. Vent Pipe Blast Valve PVD-150-VP
13. Overpressure Blast Valve YV-KK
14. Exhaust Blast Valve PVD-250 + Wall sleeve LP-PP-250
15. Gastight Closing Valve KS-150-EL
16. Gastight Closing Valve KS-250-ESR
17. Gastight Closing Valve KS-500-ESR
18. Overpressure Meter YM-1-E
19. Automatic CBRN Filtration Unit ESL-6000-A
20. Regenerative CO2 Removal Unit ESL-CO2
21. Oxygen Supply System LKJ-02
22. CBR Detection Cabinet
23. Shelter Control System (server & workstation)

SHELTER

FUNCTION AND USAGE

SHELTER FUNCTIONALITY

Different types of shelters have significant differences in design and daily use. Highest class operational shelters must have a fully operational status continuously, when normal public shelter can be dual-used in normal time, which means more flexibility in design phase as well as significant cost benefits during the life cycle of the shelter.

Double Leaf Blast Doors at the entrance of an underground car park

USE OF SHELTERS DURING NON-EMERGENCY TIME

When ensuring the most efficient use of shelters, many shelter has dual-use fuctions. Benefits of the dual use comes from cost efficiency and daily maintenance of the shelter space.

Examples of shelters in normal use:

- Warehouse
- Metro station
- Underground car park
- Recreational area e.g. swimming or sports hall
- Smaller private shelters: guest room, movie theatre, storage room etc.
- Military shelters: shooting range etc.

OUR MAIN MISSION IS
SAVING LIVES.

WE ARE THE WORLD'S LEADING EXPERT IN BLAST & CBRN PROTECTIVE EQUIPMENT

WE ARE TEMET

Temet creates advanced cost-effective protective solutions that protect human lives, valuable assets and important functions of society against the impact of crises or industrial accidents. **During 70 years in business we have made deliveries to over 85 countries.**

We provide blast protection and special ventilation technology for protective constructions such as civilian shelters, hardened operative facilities and the chemical and petrochemical industry, using our strong technical know-how and experience.

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