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Shieldex® Military Command Post

Ultra-Mobile | Modular | Classified Protection



In modern operations, command posts are no longer mere shelters—they are the nerve centers that sustain decision tempo. To win, they must stay agile, secure, and fully functional despite dispersion, contested spectrum, and shifting mission demands.

With the summer 2025 release, Shieldex introduces a next-generation Mobile Command Post with unbeatable advantages/USP's in comparison to existing solution: a textile-based solution combining EMC shielding and ultra modular mobility (30Kg without frame) in one integrated system. Proven to meet Military EMC requirements in testing with the **German Federal Office for Information Security (BSI)**, the system is engineered for **NATO Zone-2 protection**, with a Zone-1 solution currently under development.

Designed for rapid deployment, the Shieldex® Mobile Command Post enables commanders to **stand up or relocate** a command-and-control node within minutes, delivering the speed, security, and resilience required on today's complex combat zones.

General Information

The Shieldex® Mobile Command Post delivers proven performance—**with a Shielding Effectiveness of up to 95 dB in a frequency range from 0.03 GHz to 40 GHz**, it provides robust EMC shielding to protect sensitive communications (classified IT systems/ Networks) and command systems, ensuring secure, reliable operations in contested electromagnetic environments.

For ultra-rapid fielding, a fully inflatable option is available; configurations scale from compact setups to aircraft hangars dimensions. The access concept features a protected antechamber leading to the main chamber, and the entire system is pallet transportable for efficient logistics and strategic lift. Unlike conventional container solutions—which are costly and slow to deploy—the Shieldex system is always mission-ready, carried as a bag or on a pallet for immediate use.

Future-ready by design, it combines container-class EMC resilience with the agility of a tent.

Primary Mission Uses & Target Sector

- Tactical Operations Center (TOC) and Mobile Command Post (MCP)
- Designed for armed forces, special operations forces and commands, national security agencies, and expeditionary units.
- special missions and critical combat operations
- Secure on-site voice and data hub within a shielded RF zone
- Mission-critical infrastructure protected from EMI
- Instant secure briefing & update channel—any location
- Temporary **shielded workspace** for tactical communications within existing buildings

Capabilities & Advantages

- **Mobile, EMC-shielded tent system** – textile-based alternative to heavy container solutions, combining flexibility with container-class protection.
- **Rapid, tool-free deployment** – fully operational within minutes; compact pack-down allows transport as a bag or on a pallet.
- **Modular architecture** – scalable footprints from single-room setups to multi-room command posts, adaptable to mission needs.
- **Field-proven** – successfully tested with the German BSI and operationally deployed by multiple NATO member forces.
- **Operational superiority** – maintains leadership continuity and accelerates decision cycles and execution in contested environments.
- Engineered & manufactured in Germany to military-grade standards

Additional Use Case

Mobile Command Post technology can also be applied as an **adaptive enclosure for secure communication** (classified IT systems/ Networks) inside existing buildings that are not capable of ensuring secure, eavesdropping-protected operations. The **system is scalable to different room sizes**, providing a flexible solution for sensitive communication zones.

Integration & Compatibility

The Shieldex® Mobile Command Post is not only a stand-alone solution – it is also designed to integrate seamlessly into existing field infrastructure.

- **Adapter-ready:** Compatible with common military tent and shelter systems (e.g., Schall, Lanco, and other established manufacturers).
- **Plug-and-play integration:** Adapter systems enable rapid connection to existing entrances, corridors, or technical modules.
- **Flexible deployment:** Can be connected/built into mobile barracks or command shelters already in service.
- **Scalable architecture:** Extend or upgrade existing camps and command structures without replacing legacy assets.

By offering compatibility with widely used military shelter systems, Shieldex ensures that forces can upgrade their capabilities with EMC-shielded command solutions while protecting existing investments.

Services

- Installation service (setup & dismantling)
- Customized size
- Customized layout/footprint
- Customized components according to your requirements:
 - I/O Panel
 - Ventilation System
 - Air Handling Units
 - Lighting
 - Power Supply
 - Earth Stake
- Customized Frame System
 - Inflatable Frame – ready to use within minutes
 - Aluminum Frame – stationary and robust

Technical Specification

Size (standard size)

Size of the enclosure: 5.2mL x 3.0mW x 2.1 mH

Size of the main chamber: 4.0mL x 3.0mW x 2.1mH

Size of the antechamber: 1.2mL x 3.0mW x 2.1mH

Customized sizes are available as well

Description of material

Triple-layer textile construction:

Shieldex® Berlin RS, Shieldex® Zell RS, Shieldex® Nora Dell CR

Equipment

Double-door system, textile floor with protection cover, removable IO panels, cable sleeves, ventilation system, light, connection for air-conditioning systems

Shielding effectiveness

Average up to 95 dB from 0.03 - 40 GHz

Measurement Standard: IEEE 299/2006 & MIL-STD-285

Total weight of the system

The Shieldex® Command Post weighs approximately 30 kg, depending on the selected configuration. The total weight with the frame system is approximately 80-110 kg (depending on the frame).

Pack size

120 x 80 x 90 (L x W x H)

Securely packed in rollable boxes

Setup

< 30 minutes

Dismantling

< 30 minutes

Video

Discover the features and benefits of the Shieldex RF Shielded Command Post in our detailed [demonstration video](#). Please note that the enclosure shown is only an example. Actual enclosures may vary in appearance.

Did we spark your interest?

Please do not hesitate to contact us at any time.