



DEFENDING THE DIGITAL BATTLESPACE

Modern military operations depend on distributed computing, AI processing, communications, surveillance systems, and resilient network infrastructure in exposed environments.

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|----------------------|-------------------------|
| Vehicle impacts | Wildfire exposure |
| Blast overpressure | Severe weather |
| Small-arms attack | Thermal extremes |
| Vandalism / sabotage | Infrastructure failures |

Edge Fortress™ provides a hardened, casualty-resistant enclosure designed to protect critical digital infrastructure at the tactical edge.

THE CHALLENGE

The future battlefield requires computing resources closer to the mission.

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|-----------------------------|--------------------------|
| Drone operations | Military bases |
| Border surveillance | Critical infrastructure |
| Radar installations | Expeditionary operations |
| Remote communications sites | Forward locations |

Traditional containerized systems often require:

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|------------------------|-----------------------------|
| Large HVAC systems | Significant footprint |
| Continuous maintenance | Additional force protection |
| High power consumption | |



5G / LTE / CBRS
ANTENNA ARRAY

AMBIENT AIR INTAKES
(FILTERED)

CORTEN STEEL SHELL
WITH CONCRETE FILL
Maximum impact resistance
and thermal stability

SECURE ACCESS DOOR
Multi-point locking system
for maximum security

INTEGRATED FORKLIFT
POCKETS
For easy transport
and deployment

RAPID FIELD DEPLOYMENT

- Ships Broken Down
- 100 Units Per Container
- Rapid Field Deployment
- Assembled by 2 Non-Technical Personnel
- Filled with concrete at or near place of deployment
- Total Set Up Time 2 - 3 Hours

DESIGNED FOR THE EDGE

- Compact 1.0m diameter x 1.0m height
- Small communications mast
- Rapid deployment capability
- Minimal footprint
- Built for harsh environments



FORCED PHYSICS®

**JOULE FORCE COOLING TECHNOLOGY
COMPATIBLE**

NO TRADITIONAL HVAC REQUIRED

- | | |
|---------------------------------|----------------------------------|
| Reduced power consumption | Reduced acoustic signature |
| Elimination of large HVAC units | Improved operational reliability |
| Fewer mechanical failure points | Lower lifecycle costs |
| Reduced maintenance burden | |

EDGE FORTRESS™ FORCE MULTIPLIER FOR DISTRIBUTED DEFENSE OPERATIONS



AI & AUTONOMOUS SYSTEMS

- Drone mission support
- AI inference processing
- Sensor fusion
- Autonomous vehicle operations



BORDER & PERIMETER SECURITY

- Cameras
- Radar
- Acoustic sensors
- AI analytics
- Communications systems



RESILIENT COMMUNICATIONS NETWORKS

Integrated mast supports:

- LTE
- CBRS
- 5G
- Mesh networking
- Radio systems
- Environmental sensors

Protecting associated electronics within the hardened enclosure.



EXPEDITIONARY & REMOTE OPERATIONS

- Forward operating locations
- Temporary installations
- Rapid deployment missions
- Remote site support
- Disaster response
- Emergency communications



CRITICAL INFRASTRUCTURE PROTECTION

- Power grid security
- Water system monitoring
- Transportation security
- Communications resiliency
- Industrial site protection

RESILIENCE THROUGH HARDENING



STRUCTURAL PROTECTION
Reinforced concrete
Steel armor shell
Protected access



THERMAL STABILITY
High thermal mass
Environmental buffering
Cooling technology compatibility



MISSION CONTINUITY
Reduced downtime
Increased survivability
Improved asset protection

IDEAL FOR U.S. DEPARTMENT OF DEFENSE

- Army
- Air Force
- Navy
- Marine Corps
- Space Force



HOMELAND SECURITY

- Border protection
- Critical infrastructure
- Emergency communications



NATIONAL GUARD

- Disaster response
- Emergency operations
- Temporary communications



DEFENSE CONTRACTORS

- Test ranges
- Remote operations
- Prototype deployments



KEY ATTRIBUTES

- | | |
|------------------------------|-----------------------------|
| No Traditional HVAC Required | AI & Edge Computing Ready |
| Compact 1m x 1m Footprint | Remote Deployment Capable |
| Hardened Concrete Protection | Patent-Protected Technology |