

EMP Resilient Facility Solution



Homeland Security Expert Warns:

"The catastrophic effects of an electromagnetic pulse-caused blackout could be preventable, but experts warn the civilian world is still not ready. "If you do a smart plan - the Congressional EMP Commission estimated that you could protect the whole country for about \$2 billion. That's what we give away in foreign aid to Pakistan every year."

- **Peter Vincent Pry,**
Executive Director of
the Task Force on
National and
Homeland Security

Enterprise-class data centers require sophistication in design, management, compliance, scalability and **Electromagnetic Pulse (EMP)** protection to support a wide variety of client IT needs. The EMP Resilient Facility solution, coined by EMP GRID Services, leverages best-of-breed technologies to furnish enterprises with complete access, managed data capabilities and EMP hardening across the entire communications infrastructure.

EMP Basics

There are two types of Electromagnetic Pulse (EMP) threats:

- Intentional Electromagnetic Interference (IEMI) - electromagnetic energy disturbance emitted from an external force which affects electronic systems and signals.
- High-Altitude Electromagnetic Pulse (HEMP) – a nuclear burst detonated at high altitudes causing a functional collapse of the electrical power grid.

EMP Resilient Facility Functions

- 360° tested, certified and shielded Tier 3+ Data Center platform.
- All MEP/FP (electrical, mechanical and fire protection) stand-alone with 2N redundancy.
- \$50K - \$3M SLA guaranteed uptime performance per customer.
- Primary emergency generation (diesel / natural gas / fuel cell) within shielded containment supported by 30 days of uninterrupted on-site fuel storage.
- Complete telecom infrastructure contained and protected with mobile rollout deployment.
- Mirrored and fully managed EMP/Geomagnetic Storm protected recovery facilities.

EMP Resilient Facility Delivers

- Tier 3+ availability, uncompromising security, reliability, and control supported by industry-leading SLAs.
- Highest level of compliancy - PCI, HIPAA, HITRUST, ISO, SSAE 16, SOC 1 and SOC 2.
- Six-tiered security perimeters, fully monitored 24x7, with on-site live support.
- Customizable and scalable solutions to ensure ongoing business support and reliability.
- Custom designed EMP/HEMP enclosures and shelters.