The EMP Protection Experts

EMP... Electromagnetic Pulse
one of the greatest threats facing technology-driven clients today

Enabling Your Success™

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If an EMP event occurs, your data and processing equipment will continuously operate with a fully independent and protected power and utility source. This unit may be located inside your suite or outside the existing data center facility. Your data processing will not be interrupted with Protection Level 2.

Do you remember in the movie *Oceans Eleven* when Las Vegas was rendered powerless by an EMP event? That could happen at any time.

Certified EMP Disaster Protection
State-of-the-art pulse protected systems are your first line of defense for non-government applications.

EMP Protected Environments

Protection Level 1
Survival of Data & Equipment

Protection Level 2
Survival & Continuous Operations

Plus, Independently Protected Power And Utilities

Two Types Of Electromagnetic Pulse Can Be Created

There are two types of Electromagnetic Pulse (EMP) threats:
1) Intentional Electromagnetic Interference (IEMI), created by a deliberate electromagnetic weapon attack; and
2) High-Altitude Electromagnetic Pulse (HEMP), created by a high-altitude nuclear device detonated in space above a geographic region or country.

Intentional EMP Attacks Have And Will Occur
Terrorist or criminal groups could readily disrupt and damage our way of life by insidiously targeting cities and individual companies with an IEMI weapon. Without causing harm to humans, the effects from an IEMI weapon could disable all electronic devices in a region.

EMP Weapons Are Available On The Internet
An IEMI attack weapon can be purchased or assembled using instructions available on the Internet. They range from a small, hand-held device to a suitcase-contained weapon, and move up to a JOLT generator, which fits on the back of a small trailer.

Electromagnetic Pulse Protection, A Disaster Planning & Recovery Requirement

High-Altitude EMP Would Damage Technology
A HEMP detonated 30 miles or higher above the earth’s surface would destroy all electronic devices within the targeted area. This type of event, however, would more than likely not injure anyone or create radiation or collateral blast damage.

Media Coverage Has Been Growing
The opening panel for Data Center World’s 2013 conference outlined various threats facing the country’s electrical infrastructure, including EMP. Recent articles have also appeared in *The Wall Street Journal*, *Fox News*, *The Washington Examiner* and *Yahoo News*. These articles focus on the impact of EMP and how the U.S. could be thrown into a state of technological chaos.

EMP Protection, A Disaster Planning & Recovery Requirement

Modular Panel Systems
modular systems
pan-formed systems
welded systems

Waveguide Vents
HVAC
generator exhaust
equipment cooling

Waveguide Penetrations
plumbing
cooling
tire protection

Doors
manual
semi-automatic
sliding

Filters
power line
10 amps - 1,200 amps
signal line

Fiber Optic Penetrations
data
telecommunications
fire safety
security

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Critical infrastructure businesses need to consider EMP protection.

Have you considered EMP Planning and Protection?

EMP Commission Warning:
“Certain types of relatively low-yield nuclear weapons can be employed to generate potentially catastrophic EMP effects over wide geographic areas… It has the capability to produce significant damage to critical infrastructures and thus the fabric of the U.S. society.”

ERS-Lindgren, The Foremost EMP Solutions Expert
ERS-Lindgren is an innovator of systems and components for the detection, measurement and management of electromagnetic, magnetic, and acoustic energy. With more than 30 years of experience in design engineering, project management and building implementation worldwide, ERS-Lindgren is the preeminent provider of integrated EMP solutions.

- 800 employees worldwide
- On-site design, engineering and project management expertise with more than 30 years of experience
- Over 200,000 filters manufactured to date

A member of the ERS-Lindgren team, Dr. William Radasky is also known internationally for his dedication and comprehensive studies regarding the impact of HEMP and IEMI. He has earned an IEEE Life Fellow Award for his contributions to understanding high-power electromagnetic effects on electrical equipment and for developing mitigation methods to protect commercial facilities from these threats.

Red Edge Pulse Protection products have been tested and certified by Little Mountain Test Facility, the premier, state-of-the-art survivability and reliability HEMP testing center used by the U.S. government.

Our Building Information Modeling (BIM) capabilities allow us to plan and predict the performance of our solutions prior to implementation.
Critical infrastructure businesses need to consider EMP protection.

An EMP is more catastrophic than a cyber attack.

Data centers are currently protected against natural disasters, but EMP is an imminent and often overlooked threat.

Red Edge Pulse Protection provides certified EMP shielding

EMP is a significant threat in our modern era and Red Edge Pulse Protection provides certified EMP shielding, a first line of defense for non-government applications. Red Edge protects your equipment and potential points of entry with rock-solid, impenetrable enclosures, doors, filters, ports, vents and piping. With Protection Level 2, Red Edge also provides continuous data operations with independent, uninterrupted power and utilities.

ETS-Lindgren, the foremost EMP solutions expert

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