PRODUCT INFORMATION

GORGON2

- Equipped with the world's most advanced electromagnetic shielding technology.
- Can be deployed on small servers.
- Designed to provide electromagnetic shielding for the entire server room.
- One unit can accommodate approximately 20 servers.
- Custom sizes are available to match the environment in which they will be installed.
SHIELD TECHNOLOGY-COMPETITOR COMPARISON

**GORGON2**
- Acts as an antenna.
- Strong against low-frequency electromagnetic

**Competitors’ products**
- Blocking electromagnetic wave.
- Depending on material.
- Difficult against low-frequency electromagnetic wave.
<table>
<thead>
<tr>
<th><strong>COMPANY PROFILE</strong></th>
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<tbody>
<tr>
<td><strong>Company</strong></td>
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<tr>
<td><strong>Address</strong></td>
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<tr>
<td><strong>CEO</strong></td>
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<tr>
<td><strong>Technical Consultant</strong></td>
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<tr>
<td><strong>Capital</strong></td>
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<td><strong>Register date</strong></td>
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Introduction

Born in Hokkaido in 1959. Since 1995, he began evaluating, designing, and developing security software, and has obtained many international patents since 1998. He served as director of the Electromagnetic Shield Research Lab and is currently appointed as a technical advisor. He is a leading expert in cyber security and countermeasures against electromagnetic attacks, defenses, and electromagnetic waves.

Patents

- In 1998, Network Monitoring Software "MAAT" Patent No. 4220680
- Stealth Agent Patent No. 4406171
- In 2001, we developed the 4282913 patent for the electromagnetic wave shield rack "GORGONS".

Activities and development achievements

- Internal Information Leakage Prevention System (MAAT) adoption results; JDA,JMSDF,Ibaraki Pre-gov
- Internal Information Leakage Prevention System (Stealth Agent) Kanagawa University, Suruga Bank
-MISSION-

Safety in the digital society
Business Overview

- Provision of server infrastructure services using electromagnetic shielding effective for anti-EMP countermeasures
- Server defense measures are needed as cloudization progresses rapidly
- It has already been introduced by the Ministry of Defense, etc., and its effectiveness has been proven

Patented for electromagnetic shielding

Patent No. 4282913 acquired in 2009 "Server Rack"
  - Related patents related to the above will be filed soon (2021/12~)

Implementation (GORGON&GORGON2)

- JMSDF
- MIC
- South Korean Army
- NTT West
EMP ATTACK?

Electromagnetic Pulse Attack

An EMP attack (Electromagnetic Pulse Attack) is a physical attack that makes any electronic product in the area irrevocable by powerful electromagnetic waves. It is said that infrastructure will be degenerate for a century, and in recent years, there has been a rapidly growing sense of caution, especially in developed countries.
DETAILS OF EMP ATTACKS

EMP attacks short out and irreparably destroy servers, devices, and other electronic devices which is above and under ground by generating instantaneously powerful electromagnetic waves by means such as nuclear explosions at high altitudes (30 km to several hundreds km).

1. EMP BOMB etc.
2. Instantly generates powerful electromagnetic waves
3. Server down

Destruction of electronic equipment
EXPECTED DAMAGE

- Only destroys electronic devices. No threat to human.
- All urban infrastructures heavily depend on electrical equipment.
- There are large-scale and local attacks.
THE DIFFERENCE BETWEEN EMP AND CYBERATTACKS

EMP attacks are physical attacks on the electronic products.
Cyberattacks are online attacks not physically.
Compared to cyberattacks, EMP attacks are **more lossy and damaging**

<table>
<thead>
<tr>
<th>EMP attack / Solar Flares</th>
<th>Cyber attack</th>
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<tbody>
<tr>
<td><strong>Attack Object</strong></td>
<td>Data and systems on the server</td>
</tr>
<tr>
<td>All electronic devices in the target area</td>
<td></td>
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<tr>
<td><strong>Attack methods</strong></td>
<td>Unauthorized access to the system</td>
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<tr>
<td>Overcurrent due to instantaneously releasing powerful electromagnetic waves</td>
<td></td>
</tr>
<tr>
<td><strong>Recovery period</strong></td>
<td>Days ~ several years</td>
</tr>
<tr>
<td>Irreparable</td>
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</table>
EFFECTS OF SOLAR FLARES

Natural disasters 2025
Superflares coming Damages estimates trillions of dollars

**Electromagnetic Pulse Attack**

In the Worst case. For several weeks.
All electric and digital devices become unusable. Anywhere on earth.
**PARTNER**

<table>
<thead>
<tr>
<th>Sales agent</th>
<th>Manufacture and sale of GORGON</th>
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<tr>
<td></td>
<td>※ UAE, Middle East and Africa have agency agreements in place</td>
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<tr>
<th>JV Recruitment</th>
<th>Joint Venture recruitment</th>
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<tr>
<td>Sales reasoning</td>
<td>Exclusive/Non-exclusive</td>
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