

DCS - Data Center Shielding

Protection against espionage, electronic attacks
and interception



RZ-Products

www.RZ-Products.com

DCS - Data Center Shielding

Protect the capital of your company

The protection of data and IT infrastructures is no longer related to corporate groups and military institutions only, but far more increasingly to small and medium-sized companies. The annual losses caused by theft of knowledge and data are estimated by the BDI - Federation of German Industry - to more than 50 billion Euros with an increasing tendency. According to security experts every third company was a victim of industrial espionage. Not only the competition is acting by using „dirty“ practices. But also intelligence services are conducting a level of reconnaissance activities whose extent is difficult to imagine. As a consequence, companies report a serious loss of reputation caused by economic crimes or even experience a notable decrease in their stock share values.

Keywords like Tempest, compromising radiation or Van-Eck-Phreaking show that electronic espionage is a growing worldwide threat for company's IT and data. Institutions like the Federal Office for Information Security (BSI) issue first guidelines and practices to be realised by IT- and security managers.

With DCS - Data Center Shielding RZ-Products offers tested and customized shielding solutions for rooms. The high-frequency shell protects IT Rooms and equipment against external and/or magnetic interference and radiation of information from the inside.

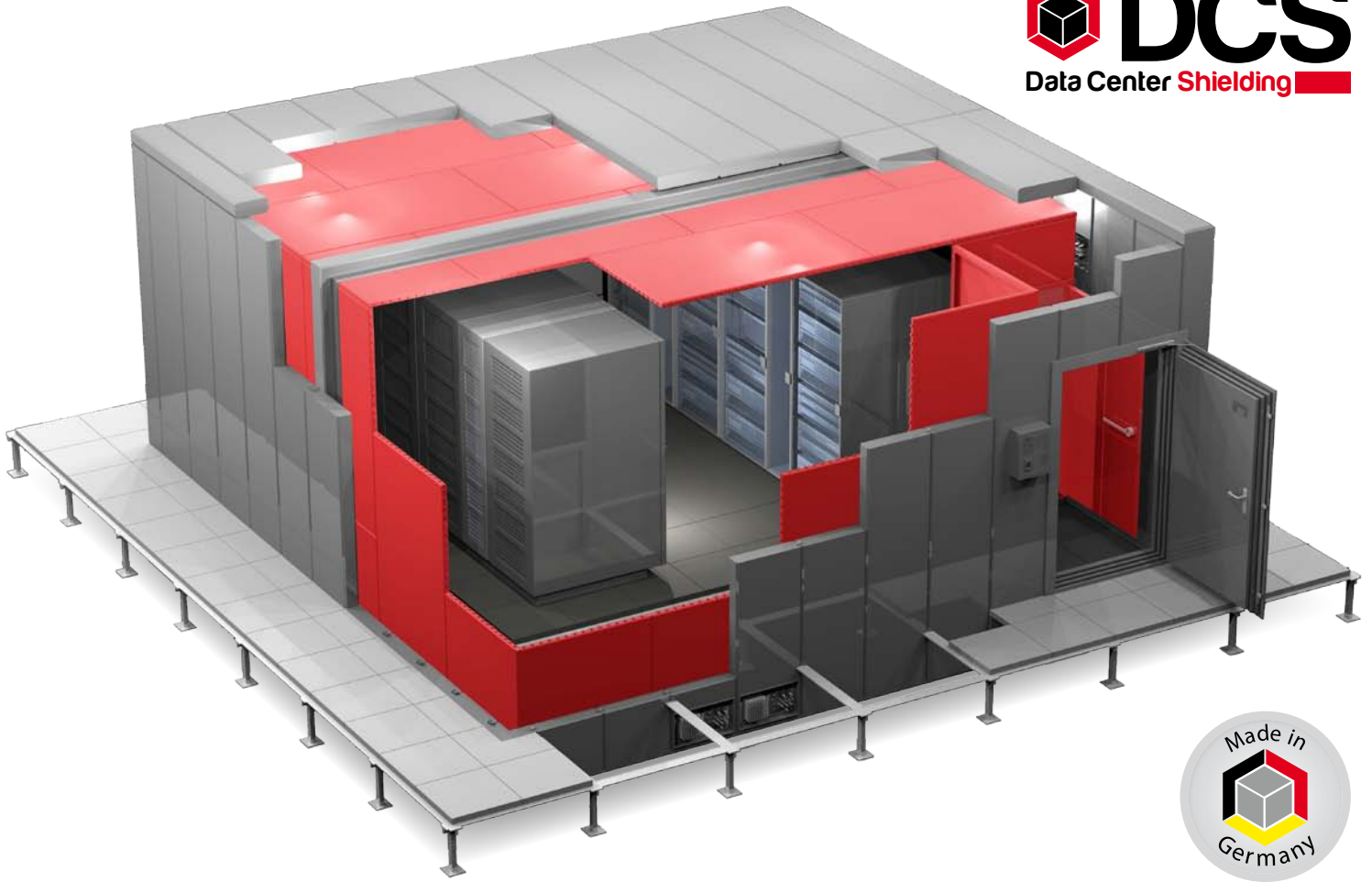


Tempest is a National Security Agency codename referring to spying on information systems through leaking emanations, including unintentional radio or electrical signals, sounds and vibrations. Tempest covers both, methods to spy upon others and also how to shield EDP equipment against such spying.

Compromising radiation: emissions of technical devices, allowing conclusions regarding the processed data from the intercepted devices.

Van-Eck-Phreaking is a form of eavesdropping in which special equipment is used to pick up telecommunication signals or data within a computer device by monitoring and picking up the electromagnetic fields (EM fields) that are produced by the signals or movement of the data.

[Source: wikipedia and Search Security]



Product features:

- Interception and radiation shielding up to 60, 80 or 120 dB
- Compliance with requirements of Tempest, NSA 65-2, IEEE 299, NATO standard
- Guaranteed shielding attenuation levels up to 40 GHz
- Modular design made of steel sheet metal elements
- Panel dimensions: W max. 1.500 mm x D = 50 mm
- System-tested acc. to EN 50147-1, NSA 65-6, IEEE-STD 299 (MIL-STD 285)

Your benefit:

- Fast and easy installation
- Integration in existing IT security rooms, outdoor containers or buildings
- Future proof investments due to dis- and reassembly options (e.g. relocations)
- Increased burglar protection in combination with the GranITe- and QuartzITe security solutions



The radiation of IT equipment is reduced by the factor:

DCS 60
Basic protection

1.000

DCS 80
High availability protection

10.000

DCS 120
Highest availability protection

1.000.000



FLEXIBLE

DCS - Data Center Shielding offers proper and customized solutions for all security rooms and outdoor containers!

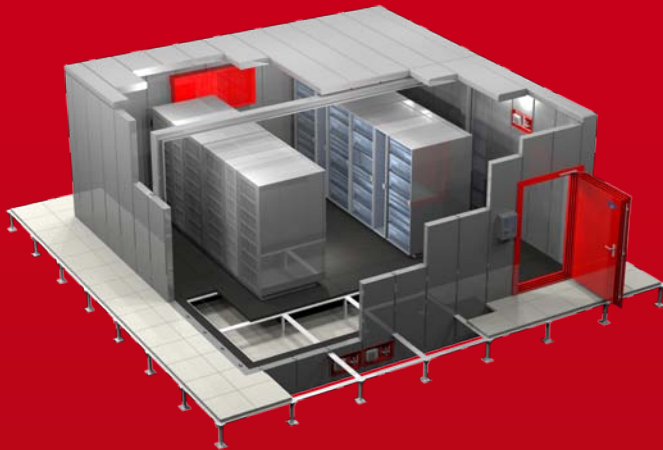
DCS - Data Center Shielding

for highest security requirements

Modular rooms and outdoor data centers offer a high degree of protection against physical dangers like fire, fire-fighting water, unauthorized access etc. but only to a limited extent for the storage of sensitive and confidential data, e.g. R&D documents, patent information or other existential information.

In combination with GranITe and QuartzITe indoor- and outdoor solutions, DCS - Data Center Shielding provides optimum protection for highest security requirements.

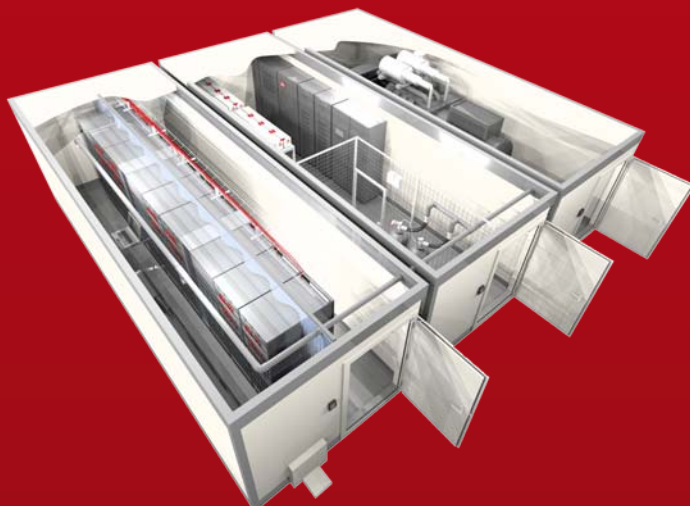
Highest availability security solutions for indoor applications



- ✓ Modular IT security rooms for the protection of IT infrastructures inside existing buildings
- ✓ ECB•S and system-tested
- + DCS - Data Center Shielding
- = **Highest availability and shielding for your IT!**



Highest availability security solutions for outdoor applications



- ✓ Modular IT data centers for installation in outdoor areas or halls
- ✓ ECB•S and system-tested
- + DCS - Data Center Shielding
- = **IT security and shielding of sensitive data and complete IT infrastructures**



Optimum security for all availability requirements



- 🛡️ ECB•S certified highest availability protection
- 🛡️ Integrated and highest possible security for IT infrastructures
- 🛡️ Modular and site-independent design
- 🛡️ **Interception and radiation shielded**



- 🛡️ System-tested availability protection
- 🛡️ Various security levels available
- 🛡️ Protection against physical dangers like fire, water, EMC etc.
- 🛡️ **Interception and radiation shielded**



The company RZ-Products

The company RZ-Products is focussing on the development, production, sale and marketing of high-quality products for IT infrastructures taking the demands of our customers and market requirements into consideration. Our specialists design and develop innovative solutions for professional Data Centers and IT locations.

Based upon our close cooperation with advisory boards and associations, such as ESSA (European Security Systems Association) e.V., we support the definition and compliance with European standards and regulations of worldwide consideration. Only tested and certified security solutions guarantee the security standard of RZ-Products.



RZ-Products solutions
are „Made in Germany“

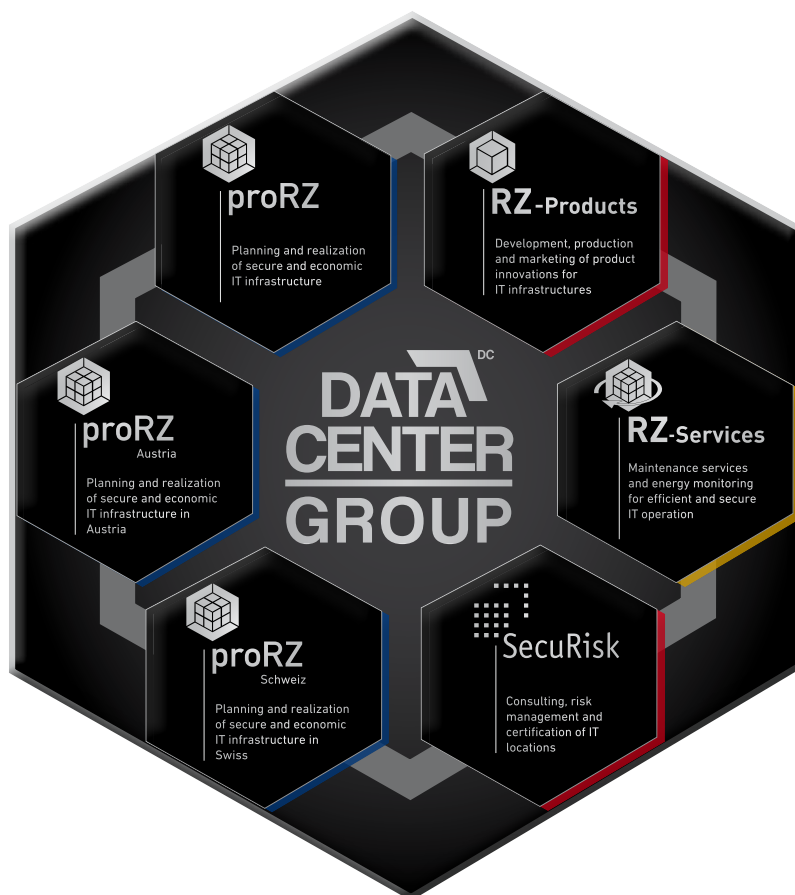


A strong corporate group for your IT security

The **DC-Datacenter-Group** concentrates professional competences of four companies to ensure customized, efficient and economic planning and realization of IT Data Centers

and processes. Customers benefit from the project-oriented know-how and the long-term experience of all our specialists.

The DC-Datacenter-Group



RZ-Products GmbH

Industriestraße 41
57518 Betzdorf/Sieg
Germany

Phone: +49 (0) 2741. 9321.0

Fax: +49 (0) 2741. 9321.111

info@RZ-products.com

www.RZ-products.com

A COMPANY OF

**DATA
CENTER
GROUP**