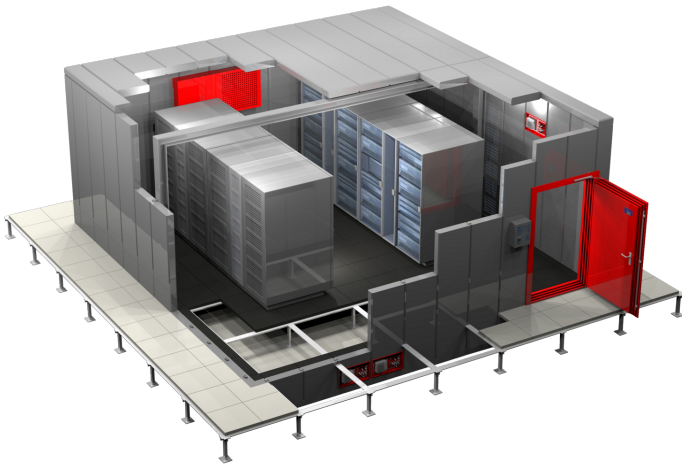




DC IT Room Granite ECB-S

Maximum security for your data center

-  Modular room-in-room system consisting of wall, ceiling and floor elements
-  Type-tested and ECB-S certified according to EN 1047-2 and other current European standards
-  Structural IT protection according to BITKOM RZ category D, BSI, EN 50600
-  Burglary protection according to RC 3 or higher

Latest generation high availability IT protection

ECB-S certified room-in-room system for the protection of critical IT infrastructures. In addition, there are industry-specific recommendations and laws (e.g., for the healthcare sector) that strongly recommend or even mandate these room systems for IT protection due to their system relevance.

ECB-S according to EN 1047-2 is the strongest protection on the market against fire,

water, dust, unauthorized access and explosions. This solution is used in banks and government institutions, by telecommunications providers, media companies, energy suppliers and all institutions that cannot afford a failure of their data.

Detail photos DC IT Room Granite





















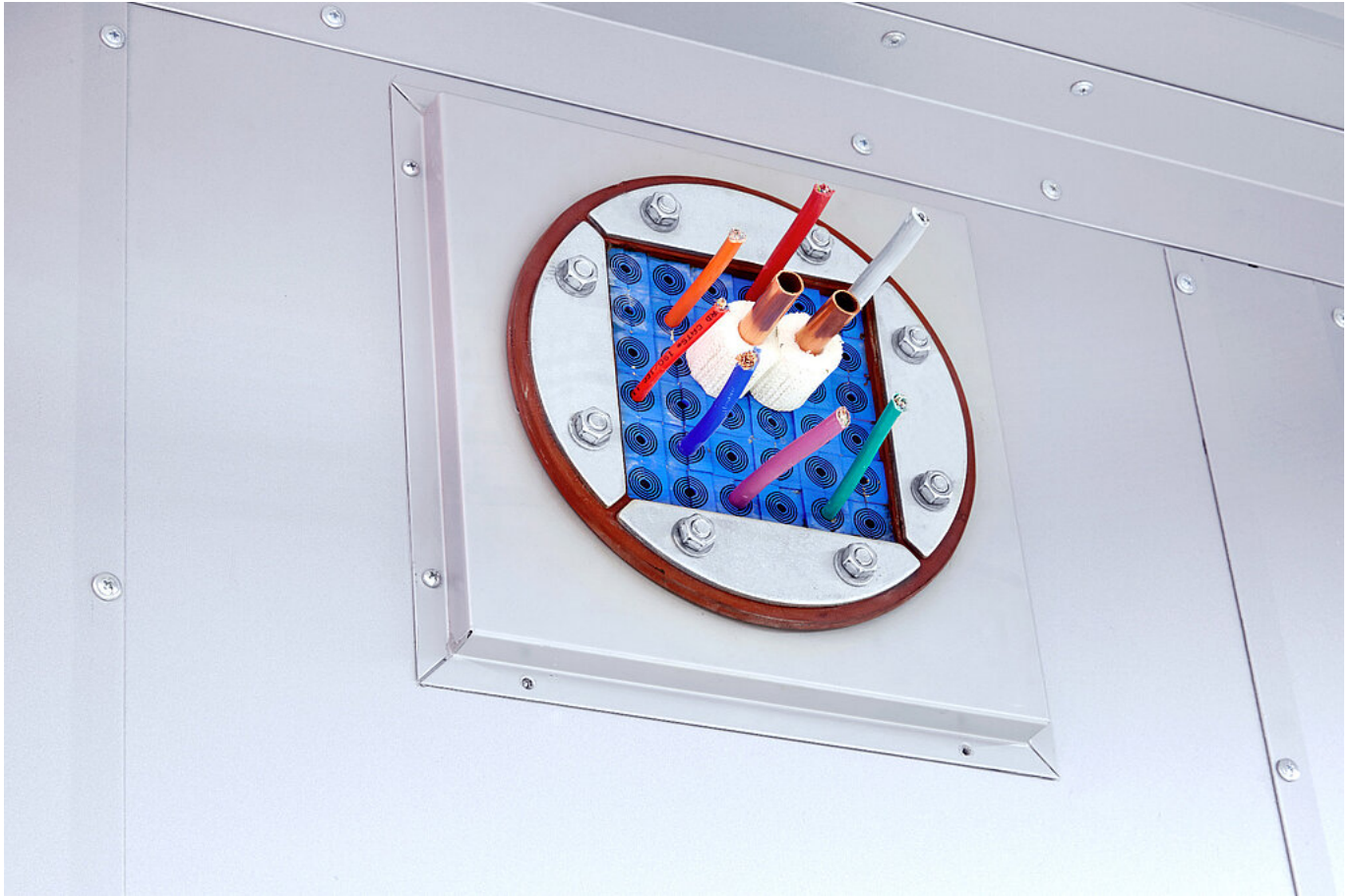






Abbildung ähnlich





Protected against physical hazards



Fire protection

Special fire protection for your IT
according to ECB-S and EN 1047-2



Burglary protection

Protect your IT infrastructure from
intrusion or unauthorized third-party
access according to EN1627



Explosion protection

According to EN 13123-2 / 13124-2 - so that your IT remains intact even in the worst case scenario.



Water and dust protection

Water and dust protection according to EN 60529 to protect hardware and data.



Protection from debris load

Should the load-bearing building elements collapse, your IT remains protected.



Protection against vandalism

Protect your IT infrastructure against vandalism.



Protection from radiation

Optimal protection against eavesdropping and electromagnetic radiation.



Noise protection

Lower the noise level of your server room.



Protection against corrosive gases

Prevent corrosive destruction.

Fire protection

Special fire protection for your IT according to ECB-S and EN 1047-2

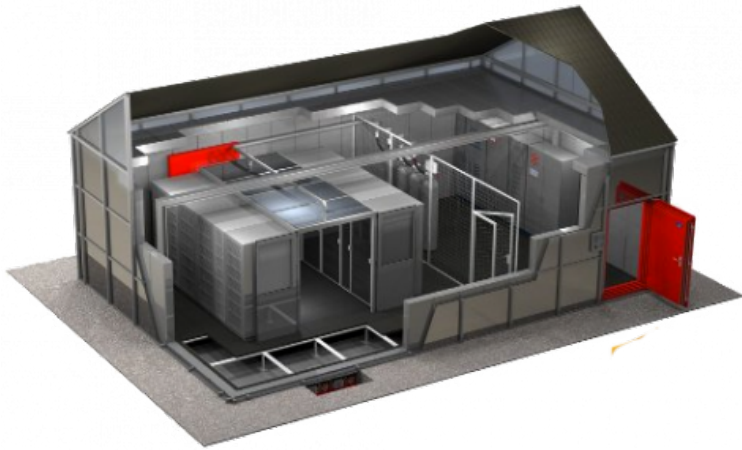
Explosion protection

According to EN 13123-2 / 13124-2 - so that your IT remains intact even in the worst case scenario

As a full-fledged indoor data center or as an outdoor solution

The flexible, modular room system is expandable from 2 m² up to a large-scale data center. The system adapts modularly to the respective conditions. Use existing, normal buildings and simply build a secure data center inside. You save on new construction and have high investment security. The rooms can be converted, dismantled or relocated at any time.

Do you lack the necessary space in the building? Then move the room into our outdoor system encased in a steel housing. You save the new building and can move again or change modularly at any time.



Equipment options

- Ceiling elements
- Side elements
- Corner elements
- Floor system
- Cable and pipe bulkhead system
- Gate and flap systems
- Safety door system
- Other equipment

Maximum security and high availability



- Type testing according to EN 1047-2 (fire protection)



- System test explosion protection



- High availability during assembly

Tests, ratings and certifications

	Granite ECB-S	Quartzite 9.3	Quartzite 9.0
CERTIFICATION (fire protection)			
ECB-S certification according to EN 1047-2:2009+A:2013	x	–	–
External quality control in production	x	–	–
External quality control on the construction site	x	–	–
FIRE PROTECTION			
Type-tested according to EN 1047-2, 60 minutes flame exposure plus cooling curve up to 24 hours	x	–	–
System test with compliance with the limit values (50 K, 85 % humidity) according to EN 1047-2 over 30 minutes	x	x	–
General building authority test certificate F90	x	–	–
System test EI 90 according to EN 13501-2/EN 1363-1 from outside to inside	x	x	x
System test EI 90 according to EN 13501-2/EN 1363-1 from inside to outside	Optional	Optional	Optional
Component test (wall/ceiling) EI 180 according to EN 13501-2/EN 1363-1 from outside to inside	x	–	–
Component test (wall/ceiling) EI 120 according to EN 13501-2/EN 1363-1 from outside to inside	x	x	x

Component test (wall/ceiling) EI 120 according to EN 13501-2/EN 1363-1 from inside to outside	x	x	x
BURGLARY PROTECTION			
Certified burglar resistance RC 3 according to EN 1627/1628/1629/1630	x	–	–
System test burglar resistance RC 4 according to EN 1627/1630	Optional	–	–
System test burglar resistance RC 3 according to EN 1627/1630	x	Optional	Optional
System test burglar resistance RC 2 according to EN 1627/1630	x	x	x
EXPLOSION PROTECTION			
System test explosion resistance EXR 3 according to EN 13123-2/EN 13124-2	x	–	–
FLUE GAS TIGHTNESS			
System test flue gas tightness according to EN 1634-3	x	x	–
DUST AND WATERPROOF			
System test Dust and water tightness IP 56 according to EN 60529	x	x	x
System test dust and water tightness IP 67 according to EN 60529	Optional	–	–
500 mm water column over 72 hours	x	–	–
400 mm water column over 72 hours	x	x	x
SHIELD INSULATION (EMC protection)			
Shielding effectiveness test according to 50147-1	x	x	x
RESISTANCE TO DEBRIS LOADS			
Impact test according to EN 1047-2 (impact energy approx. 3,000 Nm)	x	–	–
Three shot impact according to DIN 4102-2	–	x	x

Further proofs on request.

Tests, valences and certifications

You can find more information here:

<https://datacenter-group.com/en/products/dc-it-room/dc-it-room-granite/>