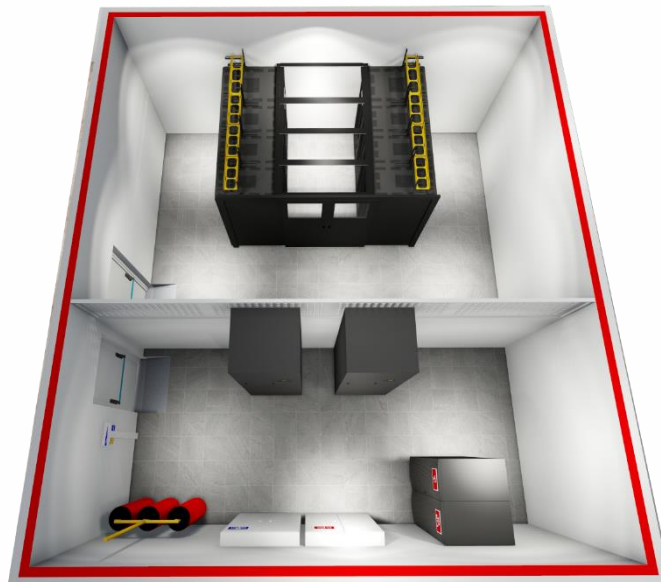




TECHNICAL DATA SHEET

MODSECUR® MODULAR IT ROOM

Modular and Scalable Technical Room



MAIN BENEFITS

- Designed and produced according to the client's needs;
- High security room, modular with expandability;
- Protection against water, dust, smoke, fire, electromagnetic phenomena;
- Panels with fire resistance certification according to standard EN 13501-2;
- Panels with low thermal conductivity, less than 0.050W/m C;
- EI30/60/90/120/180 fire and security doors, with adequate measures for handling large volume equipment;
- Anti-static flooring for direct application or on raised floor plates;
- Cold/hot air aisle containerization solution: ModSecur 3Axis;
- HVAC solutions such as inrow, peripheral (with freecooling option) or “top-cooling” options, with exchange through gas or water condensing units (chillers).

APPLIED MATERIALS

Modular construction and high security, through the application of:

- Sandwich type panels on the walls, ceilings, floor (when applicable), with thermal insulation in a specific material, according to the type of resistance required, external coating in galvanized steel sheet and thermo-lacquered in white color RAL 9003;
- Fire resistant silicones, foams and putties;
- Intumescent and expansive adhesive tapes with fire resistance for up to 240 minutes;
- Fire-stop sealing at the entrance of cables and/or pipes;
- Intumescent paints¹;
- Fire resistant glass² EI 120;
- High security locks with Wk1 to WK6 certifications;
- Hinges and anti-vandalism door system;
- Door with electro-zinc coated steel frame, and with various sizes available;
- Stainless steel handle.

1. 1. Various colors available.

2. 2. Where applicable.

	Sandwich Panel	Insulation Type	Fire Classification ¹
ModSecur® IT Room 30	Isothermal 60 mm	PIR	EI 30
ModSecur® IT Room 90	Isothermal 80 mm	high density rock wool	EI 90
ModSecur® IT Room 120	Isothermal 80 mm	high density rock wool	EI 120
ModSecur® IT Room 180	Isothermal 100 mm	high density rock wool	EI 180

1. Tests carried out on panels with a ceiling height of 3000 mm, for a set of 3 panels 885 wide; 895; 1070, according to UNE - 13501-2, UNE 23-093-81 and UNE 23764-1

PROTECTION AGAINST:



fire



vandalism



humidity

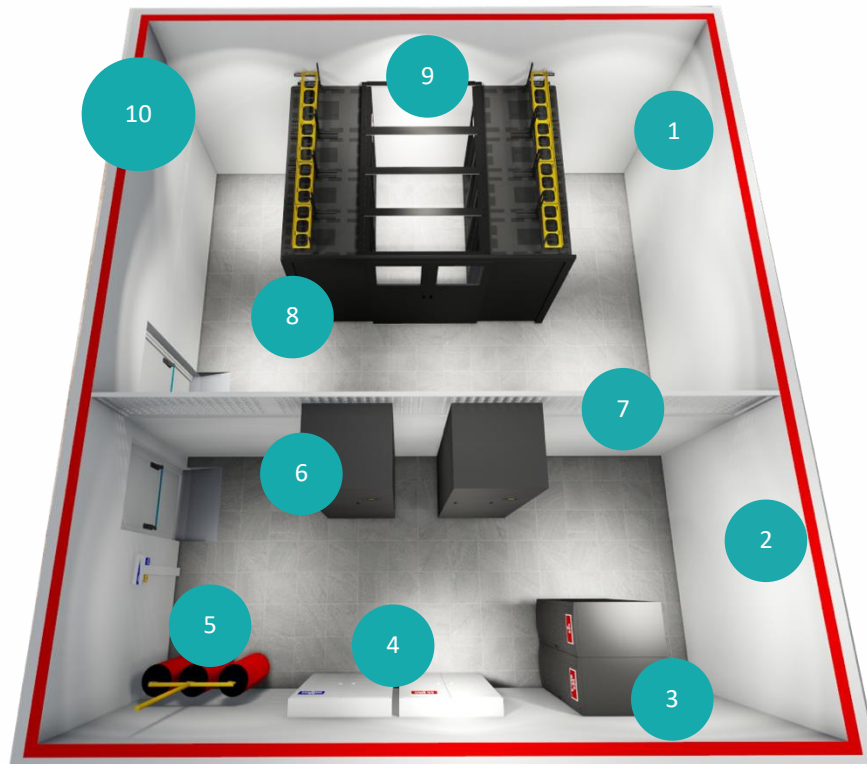


dust



smoke

3D REPRESENTATION - Example



Subtitle:

- 1 - IT room - physically separated IT area
- 2 - Staging room and technical equipment
- 3 - UPS
- 4 - Electrical Panels
- 5 - Fire Detection and Extinguishing System
- 6 - HVAC - peripheral machines solution
- 7 - ModSecur Cage – physical separation of the IT and Staging zone
- 8 - Racks and cable tray
- 9 - ModSecur 3Axis – hot/cold air corridor containerization
- 10 - Physical structure of the ModSecur Modular IT Room