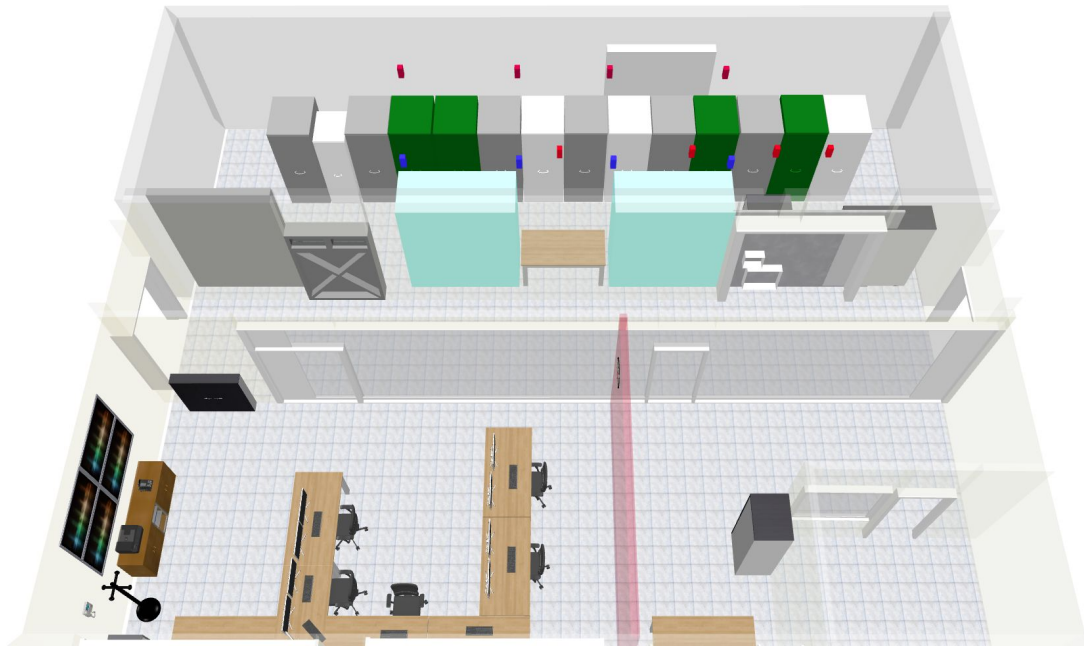
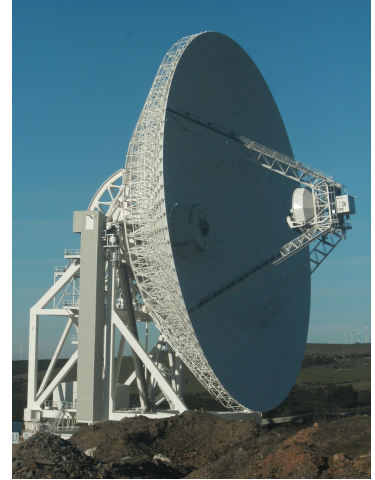


# PON-OR8-01-HPC

HPC e sistemi di archiviazione per la raccolta ed uso dati SRT.

***Evento di consultazione 8 maggio 2020***



***Pre existing logistic  
situation at SRT***

**Fara Antonietta**

*Member of the PON-OR8 team*

*Responsabile CED SRT*

# SRT CED LAYOUT AND POWER SUPPLY

## CED is a shielded room

- RFI protection: **no wifi or bluetooth**
- $(14 \times 4) \text{ m}^2 \times 3.50 \text{ m} = 196 \text{ m}^3$



## 14 Rack

- Tecnosteel Progress Server
- 80 cm x 100 cm x 47U
- front - rear double doors
- 75% perforated doors
- certified 1000 Kg

## PDU

- 1-2 x (10 C13 + 2C19) + 8 shuko
- digital amperometer
- **no PDU remote control over IP**

## CED power supply

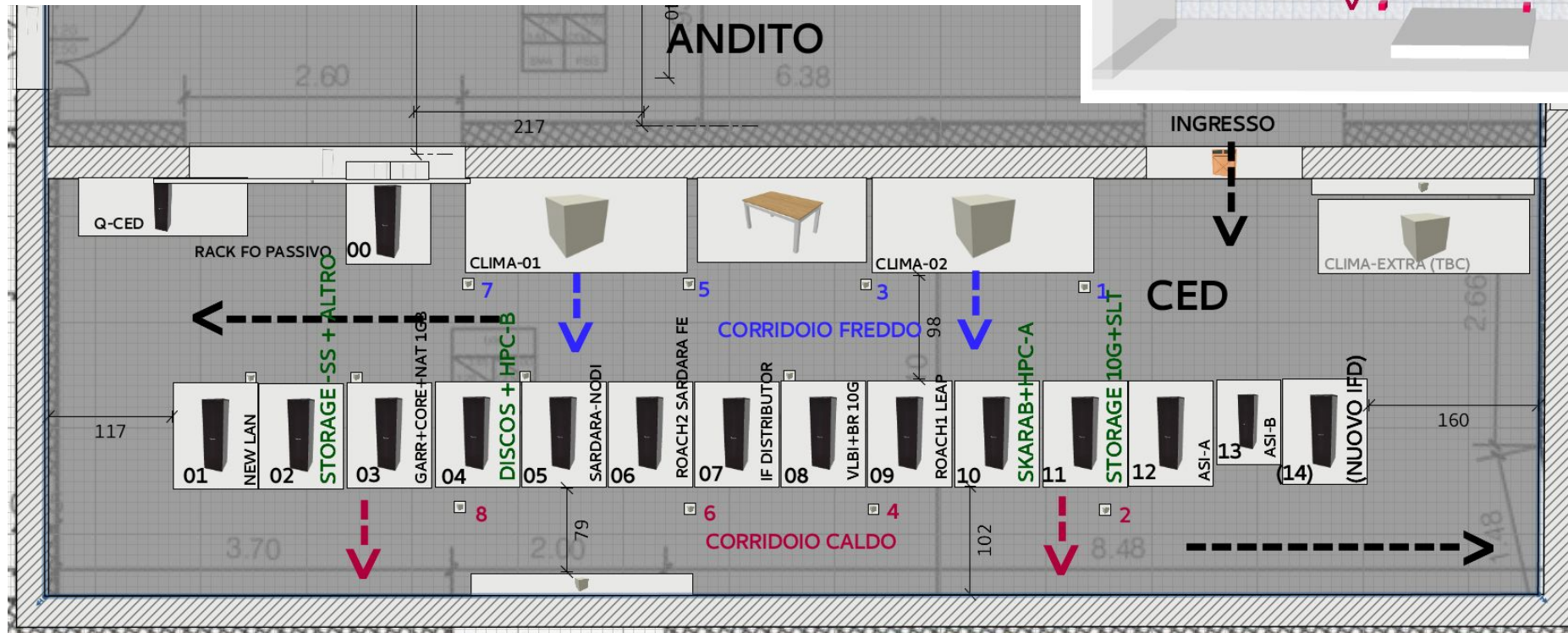
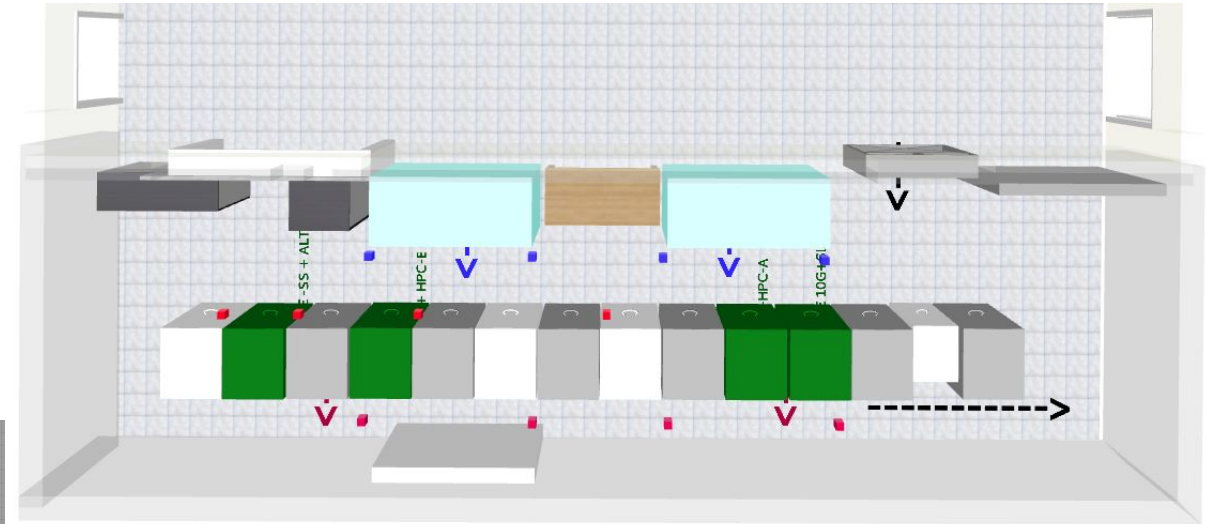
- **redundant UPS 100 KVA**
- site generator set
- 3 cable tray **4 x 63A ~ 37KW**



# AVAILABLE SPACE FOR NEW SRT CLUSTER

## A possible layout..

- 1 + 1-3 pre-existent rack (green)
- 15-20U on each rack (all included)
- ~ 60U

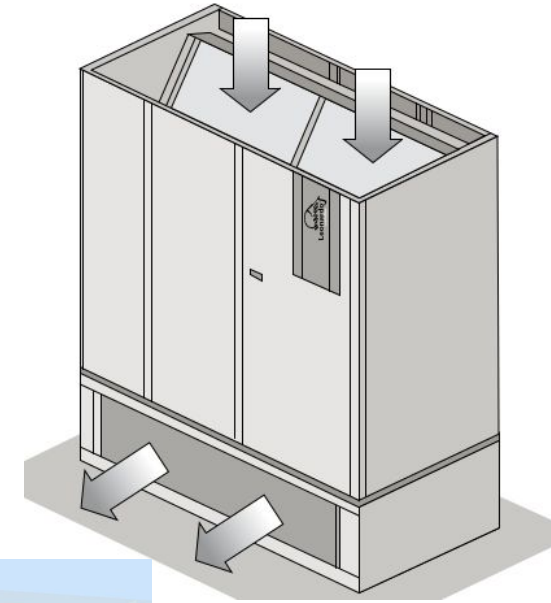
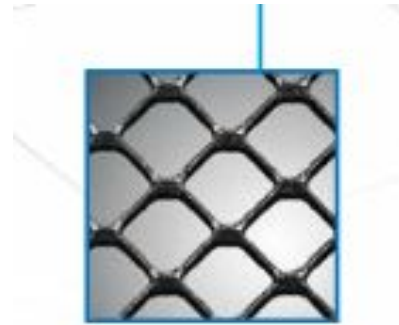




# SRT CED COOLING

## System cooling **ON AIR**

- 2 x UNIFLAIR TDAV 1622A
- high precision T(C°) and RH(%) control
- hot-cold zones



## Racks

- no IN ROW units
- 75% perforated double-doors

## Self made monitoring

- CED: sensors + PLC devices
- Rack: sensors - arduino (TBC..)
- Devices: Im\_sensors/ipmi/monit

