



# High Density Data Center new build

CERN



CUSTOMER SEGMENT

Other

BRAND

Equans

TYPE OF WORK

HVAC

PROJECT LOCATION

Switzerland, Ginebra

COUNTRY IN CHARGE OF EXECUTION

France

FORM OF CONTRACT

Design, engineering  
& consulting

ROLE IN PROJECT

Main Contractor

START OF THE PROJECT

2021-06

Public use with client authorization



New computing center Building integration on the CERN campus Performance and resilience of the data center



## Equans solutions

- Design build & maintenance over 10 years
- Cooling 16MW with N+1 redundancy
- Containment of servers in hot aisles with recirculation system
- Power supply of 18MVA with N+2 redundancy



## Customer benefits

- A long term and evolutive partnership : 3 phases of 4 MW to reach 12MW
- A service provider committed to the safety of the site
- A safe and economical equipment
- Energy savings totaling 44,000 megawatt hours per year, equivalent to the annual consumption of a town of 20,000 inhabitants

1,1

Power Usage Effectiveness

4<sup>MW</sup> IT

Initial installed Power

12<sup>MW</sup>

total capacity reaching in the coming 10 years