


Your challenges at the heart of our approach

 Ensure the safety and reliability of infrastructures	 Reduce delivery times	 Optimize your PUE (Power Usage Effectiveness)	 Comply
--	---	--	--

EQUANS' expertise to design build & operate your data centers

Health and safety

"Safety first" and "zero tolerance" are part of the culture of EQUANS.

Dedicated and independent staff monitor our operations to involve all stakeholders and prevent accidents in accordance with the group's HSE policy.

Controlled environment

Our cleanroom and HVAC experts bring you the best practices to guarantee the level of service (temperature, availability) of air conditioning.




Secured infrastructure

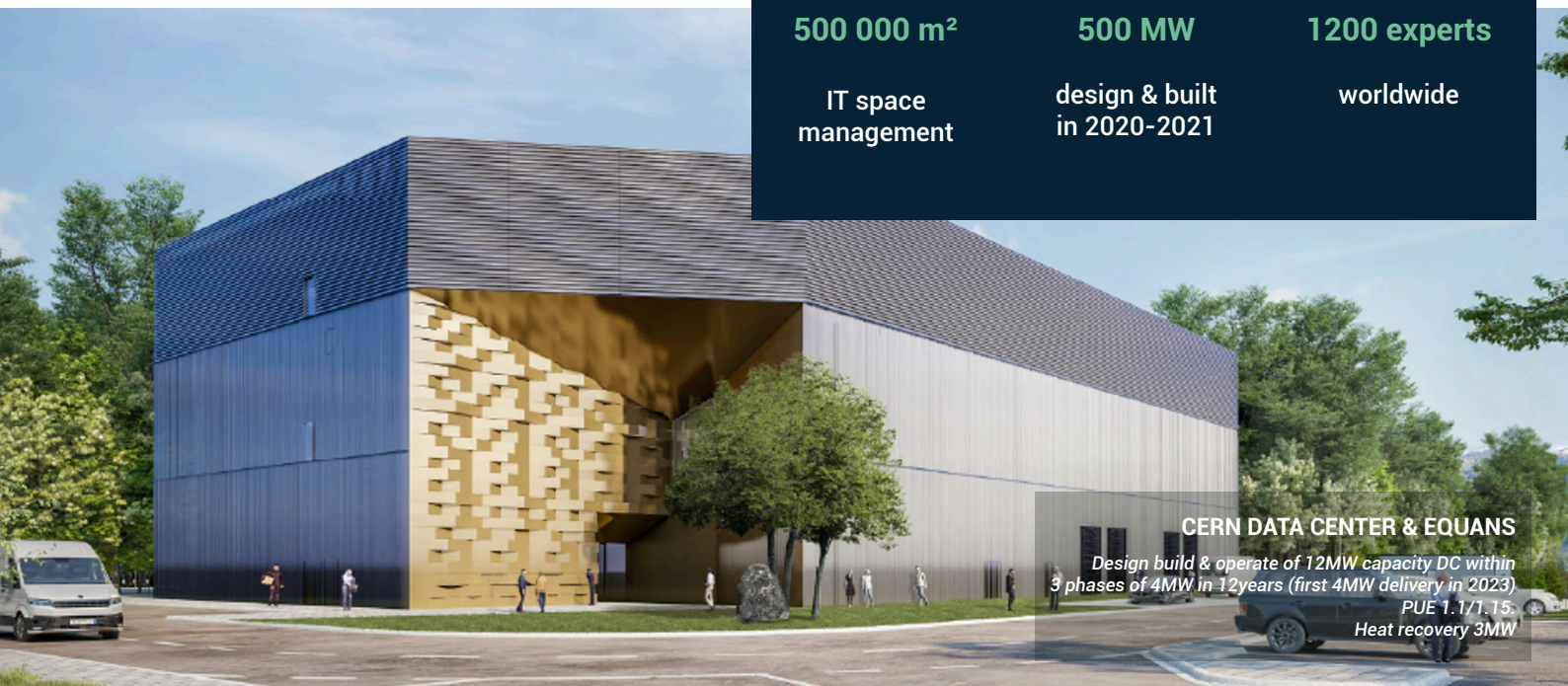
EQUANS France has experts in electricity: transformer, inverters and emergency power generator, fire protection to ensure the reliability of data centers.

Heat recovery

Rely on EQUANS France to reuse the fatal thermal energy that your data center releases.

Key Figures

 500 000 m² IT space management	 500 MW design & built in 2020-2021	 1200 experts worldwide
--	---	---



CERN DATA CENTER & EQUANS

*Design build & operate of 12MW capacity DC within 3 phases of 4MW in 12years (first 4MW delivery in 2023)
 PUE 1.1/1.15
 Heat recovery 3MW*

Tailor made and turnkey solutions

EQUANS France provides a one-stop shop self-delivery model in order to cover the entire lifecycle of your data center, from design to construction, maintenance, retrofit and extension:

1. Design and Engineering

- Global design and study center with Uptime Institute accredited tier designers
- Turnkey project
- Assistance to project management and engineering team
- Design coordination, modelling and simulation (BIM)
- Innovative solutions: ENGIE mobile/modular data center

2. Building Construction and installation of technical equipment

- HVAC (Heating, Ventilation and Air Conditioning) system
- Electrical infrastructure (light current and heavy current)
- Heat recovery systems
- Security systems
- Fire safety
- BMS (Building Management System) and SCADA
- Operational management system

3. Networks and telecoms integration

- Connectivity design and installation
- Assistance with the development and deployment of IT systems
- Remote hands resourcing
- Cabling services

4. Facility management

- Single multi-technical representative
- Preventive/corrective maintenance on technical infrastructures
- Assistance with the implementation of integrated governance and appropriate procedures (operation, connection, change, emergency/workaround)
- SLA/KPI (Service Level Agreement/Key Performance Indicator) warranty for a continuing high level of availability
- Services for occupants: reception, catering, cleaning

5. Capacity management

- Systems mapping
- Performance analysis, thermal, electrical and floor load simulation
- Deployment and implementation of DCIM-type solutions
- Advice on systems architecture

6. Energy management

- Global energy approach and audit based on main certifications (ASHRAE, Code of conduct DC, ISO...)
- Monitoring and management of PUE (Power Usage Effectiveness)
- Implementation and management of Energy Performance Contract
- Systems performance, architecture aisle containment, urbanization
- Design and implementation of customized energy conservation solutions

7. Digital tools

- Predictive maintenance
- Flows optimization (people, goods, air)
- DC simulators for training and recruitment
- Dashboards / KPIs
- Data valorization
- Digital twin
- BIM and Data management



EQUANS FRANCE

www.equans.fr

Find us on LinkedIn and Twitter