

# GROLLEAU

Building sustainable solutions



## Modular Data Center

Ready for use

Fast

Scalable

Proximity

Tailor-made

Customizable

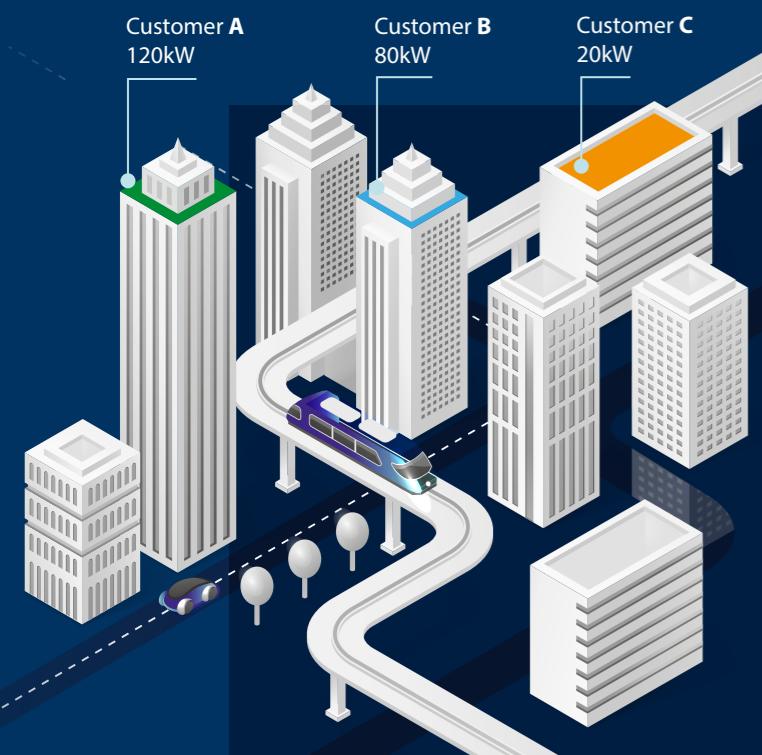


The data increase, the multiplication of connected objects and the new uses of 5G require an evolution of telecommunication infrastructures and networks.

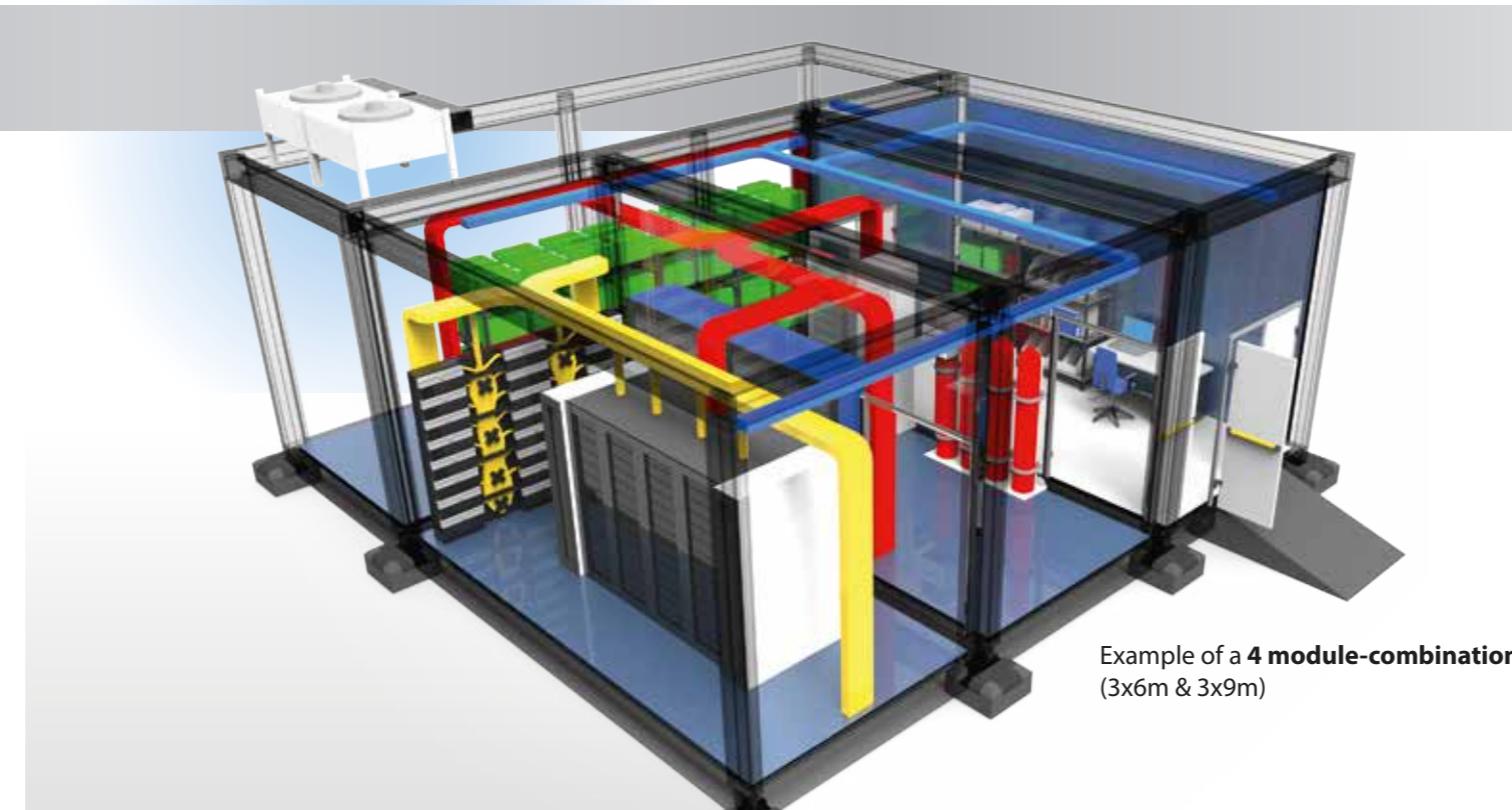
Edge data centers will be essential to address this digital transformation and ensure data sovereignty.

In this context, Grolleau offers a diversified range of modular, ready for use data centers with the following advantages :

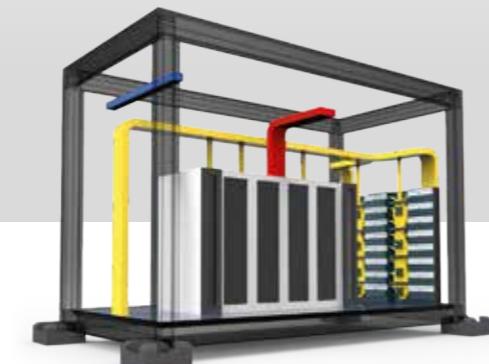
- Fast deployment
- One stop integrated solution
- Quality industrial design
- Sobriety and safety
- Site scalability to meet increasing needs
- Easy dismantling
- Re-use of modules



From defining your needs to the implementation,  
**the GROLLEAU MODULAR DATA CENTER solution**  
ensures the safety of your data.



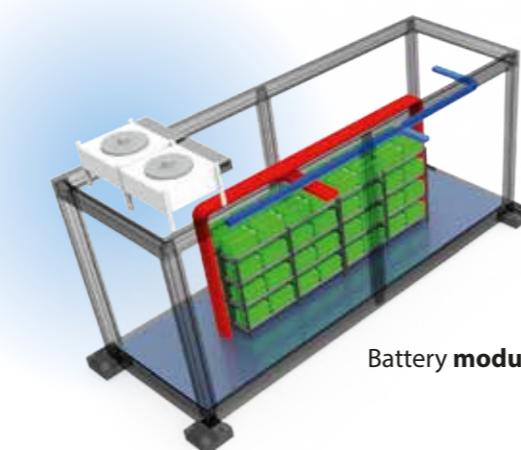
Example of a **4 module-combination**  
(3x6m & 3x9m)



**Server modules**  
with integrated Meet Me Room (MMR)



**Technical module**  
LV board/Inverters - Fire/Environment Control



**Battery modules**



**Commun storage & Staging Room module**

## URBANIZATION



- Up to 20 kW power per IT rack
- Minimum of 6 IT Rack 47U per module
- 20 m<sup>2</sup> to 150 m<sup>2</sup> surface

## POWER



- N+1 to 2N redundancy
- A & B ways with manageable PDU
- PUE < 1,3 power efficiency

## THERMAL



- Hot/cold corridor containment
- Freecooling
- InRow Direct Expansion cooling or InRow Chilled water cooling
- N+1 to 2N redundancy

## SAFETY



- Reversible Ei120 firewall (interior & exterior facade)
- Fire detection & extinction system ASPAD R3 & R7 (argon gas)
- CR3 burglar resistant doors & locks
- Access control & remote surveillance

## MONITORING



- Communicating systems, RS485, SNMP...
- DCIM (Datacenter Center Interface Management) multi-brand compatible gateway



# Ours solutions



## Modular design

- On-demand designed solution matching capacity requirements
- Large choice of finishes: wooden cladding, roughcast, roofing...



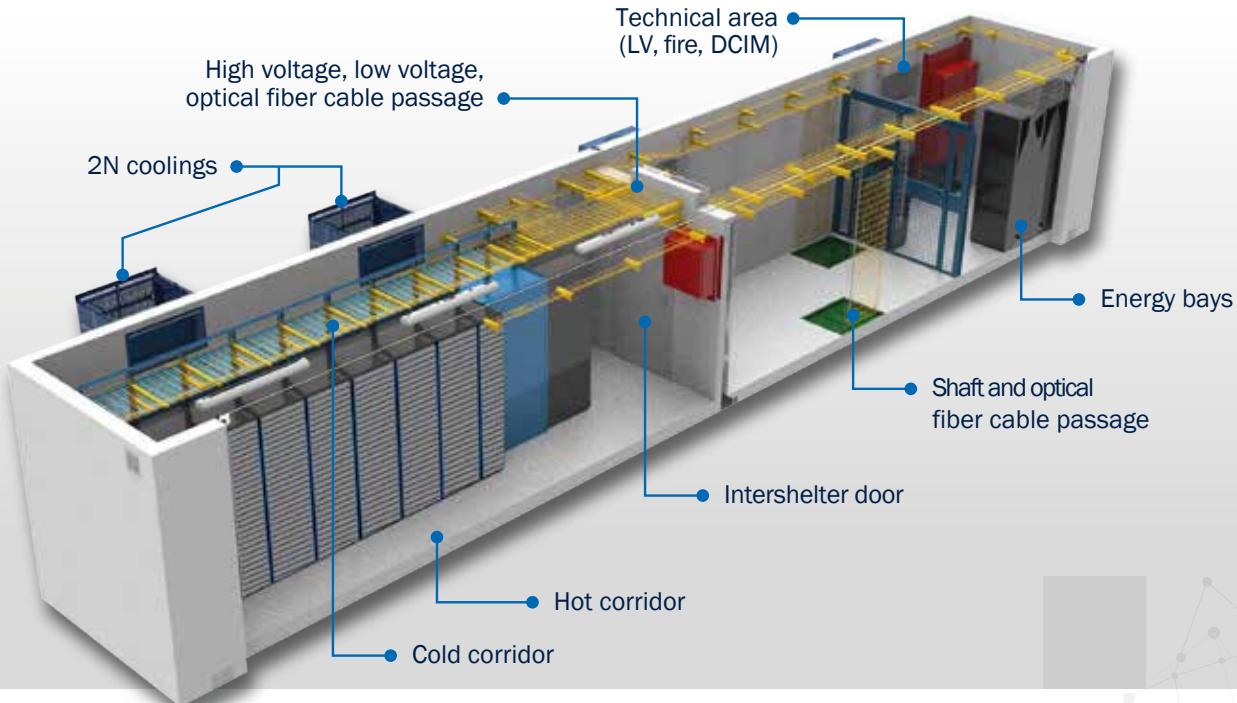
## Site safety

- Access management, monitoring and remote surveillance
- Fire detection & extinction system
- Centralized technical management



## On-site delivery

- Transportation, crane use & unloading
- Installation
- Implementation



## Scalable modules

- Light riveted-mechanical, welded-mechanical or concrete construction
- U from 0,34 to 0,63 W/m<sup>2</sup>K thermal insulation
- 20 m<sup>2</sup> to 150 m<sup>2</sup> surface (larger dimensions on demand)

### Light

4-6t



### Welded-mechanical

13-15t



### Concrete

25-35t



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