

**AQ-BCN1 -  
TECHNICAL FACT SHEET**

## Location:

- Parc de l'Alba (Cerdanyola del Vallès), 15 min to Barcelona
- Avg. temperatures cold season 3-16 (°C) / warm season 19-26 (°C)
- Data Centre Campus within the Collserola Natural Park
- Direct connection with Barcelona Cable Landing Station

## Colocation:

- Data centre campus with separated IT buildings with an open-space design
- Flexible data hall configurations, compartments, and enclosures
- Total IT space available: ca. 7000 m<sup>2</sup>
- Number of racks: 3000 u. (based on 60 cm racks)
- Dedicated IT spaces for high-density liquid cooling on demand

## Cooling setup:

- pPUE: 1.10 HPC
- pPUE: 1.23 Air-Cooled

## Rack density:

- Up to 12,3 kW/rack (perimeter cooling)
- Up to 50kW/rack (immersion cooling)
- Up to 80kW/rack (liquid cooling)

## Power setup:

- 50 MW of power available at the plot
- 3,2 MW IT-load per data hall
- Electricity spot price: €0.16/kWh<sup>1</sup>
- PPA long-term power supply contracts directly with the supplier (optional)

## Redundancy/Resiliency:

- Tier 3: 2N redundancy in power and fiber. N+2 in cooling
- 2N UPS feed up to rack level
- Back-up power (UPS, HVO Gensets, double power feed)

## Connectivity:

- Carrier-neutral data centre.
- Expected one-way latency values
- Expected connections to IXPs in Oslo and abroad as well as direct connections to the main cloud providers
- Private line ethernet services on request
- Cross-connects within the data centre on demand

## Services and operations:

- Initial set-up
- Remote hands packages
- 24/7 services available
- Flexible SLA offering

## Other:

- Monitoring features available (live PUE, CO<sub>2</sub>e emissions, performance, etc.)
- CO<sub>2</sub>e measuring, reducing and offsetting services as required
- Heat reuse is under consideration to reduce operational costs and carbon footprint

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