

# BARCELONA DC CLUSTER



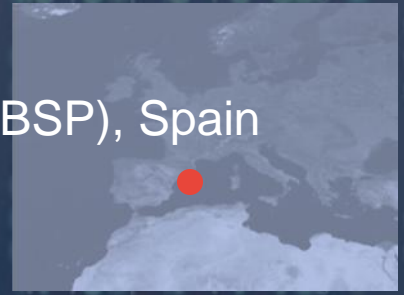
## Where to Set Up Data Centers in Southern Europe



**B-barcelona consulting**  
by BGC arquitectura i enginyeria

## Where

In the Barcelona Synchrotron Park (BSP), Spain



## What

42,000 m<sup>2</sup> specially designed plot to host data centres  
42MW Power & Cooling TIER III certifiable availability

## Why

- Lowest Energy Cost
- Fast to Market implementation (Plug & Play)
- High availability
- Outsourcing cooling and electricity supply: Low CAPEX
- 6 telecom operators with own infrastructure
- Redundant access points
- 220/25 kV electrical substation
- Easy access Motorways AP-7 (E-15) and C-58
- Fire station at 3 km and Police station at 1.5 km
- No flood-risk and low seismicity area
- Low air pollution and cool climate conditions
- Free cooling up to 86% of time

## References


Currently, BSP hosts 3 data centres:

T-Systems, IBM, Silc Inmobles

Total investment: €217 million

[www.barcelonasynchrotronpark.com](http://www.barcelonasynchrotronpark.com)

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