

SIERRA DC SP01 GRANADA

AI-Ready • Renewable-Powered • Water-Light Data Center Campus

“Located in the energy-rich Granada region, SP01 is Sierra DC’s flagship AI-ready data center campus, positioned at the crossroads of Iberian and Mediterranean fiber routes and powered by 100% renewable energy.”

SP01 Address:
Citai, Granada, Andalusia, Spain

RFS Q2 2027

10-25 MW

TOTAL SCALABILITY

70 MW

RENEWABLE ENERGY

100%



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WHAT WE DELIVER



Leading energy efficiency

Designed for a PUE of 1.29*, enabling highly efficient operation with optimized cooling and energy use.



WUE Neutral

Hybrid air + liquid-ready cooling engineered to support sustainable water usage**.



High-Efficiency Performance

Supports rack densities +120 kW per rack for GPU training, inference, and HPC workloads.



Reliable operations

24/7 monitoring, Tier III design pathway, and modular redundancy ensure

WHY SIERRA DC



GENERAL

Status	Under Development
Security and Access:	24/7 monitoring and controlling the access
PUE:	1.29* Design
SLA:	High-redundancy, N+1 configuration

POWER

Grid Voltage:	Power ramp aligned with LOI terms and grid milestones
Delivery:	Redundant delivery of renewable power
UPS:	Static UPS, N+1
Generators:	N+1 redundancy
Configuration:	Modular, expandable

COOLING

System:	Hybrid air + liquid-ready
WUE:	~0,0013 L/kWh**
Density:	+120 kW per rack
Containment	Cold aisle + Liquid integration

*PUE of 1.29 is the average operating target.
**Value applicable under standard operating conditions.