

One partner for Data Center **lifecycle**

*Safer, Smarter, **Greener***

Technical and **sustainability** services across
the entire data center lifecycle

socotec.it

Technical and sustainability services across the entire data center lifecycle

SOCOTEC supports developers, investors, contractors and operators throughout the entire lifecycle of data center projects — from site selection and due diligence to commissioning, compliance and sustainability strategies.

Technical Due Diligence & Specialist Studies

Reducing risks from the earliest project phases through advanced technical assessments:

- Technical due diligence & site selection
- Electrical studies (Arc Flash, grounding, EMC, lightning)
- UXO & explosive risk analysis
- Water treatment engineering solutions
- Energy efficiency incentives support

Construction & Commissioning

Ensuring quality, safety and operational readiness during construction:

- Third-party design & construction review
- Health & Safety coordination
- Technical monitoring:
 - vibrations
 - acoustics
 - adjacent structures
 - electrical hotspots
- Full commissioning services (L1–L5)
- Regulatory inspections

Certifications & Compliance

Supporting compliance with international standards and sustainability targets:

- LEED BD+C Data Centers
- BREEAM Data Centre
- HQE
- EU Taxonomy advisory
- Scope 1, 2 & 3 carbon assessment



Environmental & Esg Expertise For Next-Generation Data Centers

Sustainability is no longer optional. It is mission critical.

SOCOTEC combines technical expertise with advanced environmental and ESG capabilities to help data center projects meet regulatory requirements, reduce environmental impact and improve long-term resilience.

Environmental Services

Comprehensive environmental support for permitting and compliance:

- Contaminated land investigations
- Environmental permitting support
- Environmental impact assessments
- Ecology & biodiversity studies
- Air, water, noise & odor monitoring
- Site remediation & environmental compensation

Esg & Sustainability Services

- ESG Due Diligence
- Climate & Hazard Risk Assessment
- Energy modeling & audits
- Life Cycle Assessment (LCA)
- Life Cycle Costing
- Renewable energy analysis
- Decarbonization strategies
- Resilience planning

Biodiversity & Land Regeneration

Supporting environmentally responsible data center development:

- Biodiversity monitoring (SBV)
- BiodiverCity® certification
- Ecological compensation strategies
- Site renaturalization approaches

*One partner.
Full lifecycle support.*

Our Contact



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