



# Your partner for sustainable data centres

Connecting, powering, decarbonising

# Our expertise enabling yours

Data centres are the beating heart of our digital world, enabling every click, live stream, download and transaction; redefining how we work, play and connect, while powering the innovation that will shape tomorrow. But we get it; developing and operating this vital infrastructure is anything but straightforward.

From finding the right location, overcoming grid and water constraints, securing planning and gaining community buy-in – to maintaining operations that balance security, resilience and energy efficiency – all while meeting potentially competing demands for decarbonisation and growth.

Overcoming these challenges takes more than a contractor; it requires a partner.

As part of a vertically integrated energy group with deep roots in the UK and Ireland, and a proven track record delivering major infrastructure, SSE Energy Solutions is that unique partner, aligning the assets, resources and expertise you need.

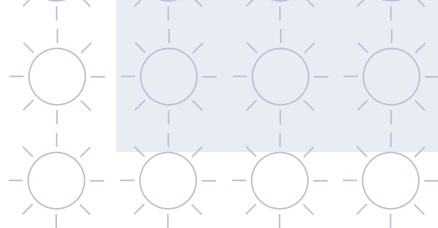
Providing long-term collaboration and problem-solving, from planning through to optimisation, we can support timely delivery, community engagement, growth and innovation and a credible decarbonisation pathway to meet your goals.

Through SSE's co-ownership of Neos Networks, we're also positioned to provide ultra-resilient fibre connectivity via Project Reach, linking to a new national backbone built along critical UK rail corridors.



**Over 80 years**  
delivering large-scale energy infrastructure





## Why data centres choose SSE



**End-to-end expertise:** Across network connections options, renewables, flexible power, storage and smart system.



**Sustainable power:** Access to SSE's extensive renewable portfolio of 5 GW onshore and offshore wind, solar, battery and hydro capacity.



**Resilience and flexibility:** 6.3 GW of thermal and low-carbon generation capacity.



**Long established track record:** Over eight decades of experience delivering large-scale energy infrastructure.



**Proven results:** Supporting hyperscale and colocation providers with grid connections, storage and renewable integration.



**Social and environmental expertise:** Minimising replace out with our ecological footprint, safeguarding biodiversity and creating positive outcomes for local communities.



**Industry-leading commitment:** Investing £17.5 billion by 2027 and a further £20 billion by 2032 through our Net Zero Acceleration Programme.



**Aligned decarbonisation goals:** SSE is committed to achieving net zero across its operations by 2040, with targets validated by the Science Based Targets Initiative.



# Proven energy infrastructure expertise for data centres

With full ownership and operation of energy infrastructure at Slough, one of the world's largest data centres conurbations, and Imperial Park in Newport, we bring deep, hands-on experience in powering complex, high-demand digital environments. These developments demonstrate our capability to deliver integrated, scalable and resilient energy solutions tailored to the needs of hyperscale and edge data centres.

**6.3 GW**

thermal generation

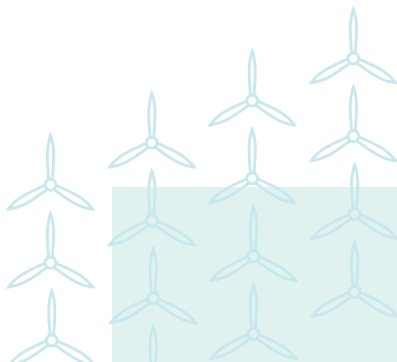


**5 GW**

renewable capacity

**20.5 GW**

secured renewables pipeline, including wind, solar, battery and hydro



# Integrated energy solutions for data centres

## Scalable power

- **Interim power infrastructure:** Enabling you to bypass grid-connection delays by co-locating with our renewable, flexible and storage assets, delivering medium-term resilience and long-term decarbonisation far beyond traditional thermal bridging.
- **Resilient grid connections:** Secure, scalable transmission or distribution connections.
- **End-to-end design and build:** Turnkey energy infrastructure delivered through our accredited Independent Connection Provider (ICP) status from design through to energisation.
- **Flexible investment:** Capital-efficient infrastructure through our Independent Distribution Network Operator (IDNO) or Private Network models, covering ownership, operation and long-term asset management.

## Low-carbon solutions

- **Flexible models for behind-the-meter (btm) renewables:** Through fully funded, shared investment or customer-owned options.
- **Direct on-site or off-site connections:** Flexible infrastructure options to connect low-carbon energy directly to your datacentre, on your site or nearby.
- **Long-Term Power Purchase Agreements:** Secure, stable, pricing for low-carbon energy through bespoke PPAs.
- **Integrated cleantech solutions:** A tailored combination of solar, wind, battery storage, innovative technologies and flexible thermal generation, to maximise resilience and decarbonisation.



## High-capacity fibre connectivity via Project Reach

- **Nationwide connectivity backbone:** Access to one of the UK's most advanced fibre networks, via Project Reach, through SSE's co-ownership of Neos Networks.
- **Supporting digital ecosystems:** High-capacity, low-latency connectivity along strategic rail corridors, with direct links to urban centres, data hubs and subsea cable landing stations.

## Efficiency and continual optimisation for smarter energy performance

- **Smart energy systems and digital platforms:** Real-time insights and control with building energy management systems, energy intelligence platforms and optimisation tools to enhance efficiency and reduce operational costs.
- **Heat recovery and network integration:** Harnessing waste heat and integrating with district heating schemes where viable, providing a low carbon source of heat.
- **Energy performance and flexibility:** Advanced analytics, flexibility services and access to trading and market opportunities.

## Certified renewable energy supply

- **Corporate power purchase agreements (CPPAs):** Secure price stability and carbon reduction through SSE's grid-scale wind, hydro, solar and storage assets.
- **24/7 carbon-free energy solutions:** Advanced tracking and reporting tools, supporting your ambitions to match your energy use with clean generation around the clock.
- **100% certified renewable supply:** Electricity backed by Renewable Energy Guarantees of Origin (REGOs), ensuring full traceability and sustainability.

# Environmental and community expertise that supports your success



**SSE has a long history of working in sensitive landscapes with a commitment to minimise our footprint and carefully manage the impacts of our operations.**

As well as addressing carbon emissions, this means limiting the use of vital resources such as water and reducing waste through responsible consumption and production. It also means going further to support nature restoration, with specific targets in place to enhance biodiversity.

We share value with the communities we serve. Together, the SSE Group's renewable, thermal, transmission and supply businesses fund one of the largest voluntary community investment programmes in the energy sector, with more than £100 million pledged across the UK and Ireland.

By working with you to engage openly with key stakeholders and identify meaningful opportunities to support the local community, we can help you build trust, deliver long-term inclusive benefits and strengthen local economic resilience.





## Let's build your data centre, together

From first connection to ongoing optimisation

Book a consultation with our Data Centres Director  
Call **Noel Powell +44 (0)7767 851305**  
Email **[noel.powell@sse.com](mailto:noel.powell@sse.com)**

Plan. Build. Invest. Operate. Innovative. Decarbonise.  
We're with you at every step.



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TRUST™**

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