



Power Generation

At the heart of power generation infrastructure, substations serve as critical nodes that enable the efficient transformation and transmission of electricity from generation sources to end-users.

These facilities ensure grid stability, manage voltage levels, and safeguard the network through advanced electrical components such as transformers and switchgear.

As a leading EPC (Engineering, Procurement, and Construction) provider, Linxon brings deep expertise in delivering complex and transformational substation projects across the globe. Our integrated approach combines strong engineering capabilities, global procurement networks, and dedicated construction resources that allow Linxon to take on challenging projects that demand precision, innovation, and reliability.

Diverse segments in Power Generation

Power generation spans a wide array of technologies and energy sources. Linxon supports this diversity through tailored substation solutions across the following segments:

- **Renewable Energy:** Supporting the global energy transition, Linxon delivers substations for wind, solar, hydro, and emerging technologies like hydrogen, enabling clean energy integration into the grid.
- **Conventional Power:** Linxon continues to support conventional generation with robust substation infrastructure for coal, gas, and diesel plants, ensuring reliability and efficiency.
- **Nuclear Energy:** Our work in nuclear power complements decarbonization efforts, with high-voltage substations designed to meet stringent safety and reliability standards.
- **Environmental & Regulatory Compliance:** Linxon's EPC delivery model incorporates environmental stewardship and regulatory alignment, ensuring sustainable and compliant project execution.



Linxon's track record in Power Generation

Linxon has successfully executed high-profile substation projects that exemplify our ability to manage complexity and deliver value. Highlights include:

Vineyard Wind, 220 kV – New England, US:

Supporting one of the first large-scale offshore wind farms in the US.

Seagreen Offshore Wind Farm – Scotland:

Delivering critical infrastructure for Scotland's largest offshore wind project.

Al Fadhili 380/115 kV Gas Plant – Saudi Arabia:

Enabling reliable power for a major gas processing facility.

Shurton Substation at Hinkley Point C, 400 kV GIS – UK:

Supporting one of the most significant nuclear projects in Europe.

Commitment to excellence

Linxon's EPC model is built on a foundation of quality, safety, and sustainability. We strive for zero defects and zero harm, ensuring that every project is delivered with care for people and the environment. Our teams, both internal and partner contractors, are aligned with our core values, returning home safely each day.

Substations are indispensable to the power generation ecosystem, and Linxon is uniquely positioned to deliver them through its end-to-end EPC capabilities. Whether in renewables, conventional, or nuclear energy, Linxon transforms complex challenges into successful outcomes—empowering cities, industries, and communities to thrive.

