



Delivering the infrastructure that people rely on every day — to realize the energy transition and power a carbon-free planet



Linxon helps cities grow, industries expand, and communities thrive by building a crucial part of the power transmission grid. We offer engineering, procurement, management, and construction services for the execution of large, complex AC power substations, including expansions and electrification in five main segments.

Linxon is a joint venture company set up by AtkinsRéalis and Hitachi Energy to deliver turnkey electrical AC substation projects.

Linxon combines the accumulated know-how of original equipment manufacturer (OEM) and project execution capabilities so that customers benefit from efficient and continuously improved solutions and increased industrial productivity.

About AtkinsRéalis

Created by the integration of long-standing organizations dating back to 1911, AtkinsRéalis is a world-class engineering services and nuclear company dedicated to engineering a better future for our planet and its people. We create sustainable solutions that connect people, data and technology to transform the world's infrastructure and energy systems. We deploy global capabilities locally to our clients and deliver unique end-to-end services across the whole life cycle of an asset including consulting, advisory & environmental services, intelligent networks & cybersecurity, design & engineering, procurement, project & construction management, operations & maintenance, decommissioning and capital. The breadth and depth of our capabilities are delivered to clients in strategic sectors such as Engineering Services, Nuclear and Capital.

About Hitachi Energy

Hitachi Energy is a global technology leader that is advancing a sustainable energy future for all. We are advancing the world's energy system to be more sustainable, flexible and secure and we collaborate with customers and partners to enable a sustainable energy future – for today's generations and those to come. Hitachi Energy has a proven track record and unparalleled installed base in more than 140 countries, serving customers in utility, industry, transportation, data centers and infrastructure sectors. With innovative technologies and services including the integration of more than 150 gigawatts of HVDC links into the power system, we help make the energy value chain more efficient, making electricity more accessible to all. Together with stakeholders across sectors and geographies, we enable the digital transformation required to accelerate the energy transition towards a carbon-neutral future. Headquartered in Switzerland, we employ around 45,000 people in 60 countries and generate business volumes of around \$13 billion USD.



Our global presence



800 employees

3

- Americas
- Europe
- Asia Pacific, Middle East and Africa (AMEA)



→ HSE, quality and sustainability

Linxon strives to deliver engineering, procurement, design/delivery projects with zero defects and zero harm to people and the environment.

Our core values embrace **quality, health, safety, security** and **environmental protection**.

It is our responsibility to protect the health and safety of our employees, contractors and clients in all of our activities, and to continually improve the environmental performance and quality of our activities to ensure customer satisfaction and trust.

Linxon commits to:

- comply with relevant safety laws, regulations and industry standards to ensure all employees, contractors and clients return home safely at the end of each working day
- protect our people, physical and digital assets against unplanned events
- embed corporate social responsibility and ethics principles into our business practices
- improve quality management to guarantee project safety, prevent quality incidents and ensure compliance at every stage of the EPC process
- identify and understand customer expectations, and work relentlessly to meet or exceed them by motivating, training and developing our people, and leveraging our partners' and suppliers' strengths

Our expertise

Deep technological knowledge, digital know-how and project management expertise make Linxon a true partner for reliable and sustainable substation solutions.

Linxon substation application and electrification project experience includes:



Boosting capacity, enhancing reliability and increasing availability of the transmission and distribution network for utility customers with proven substation designs and innovative grid technologies.



Creating reliable supplies of power that support efficient use and management of electricity, while enhancing operational performance facility-wide for our customers.



With a global footprint and local presence that ensures complete support over the life of a substation, Linxon is a partner customers can rely on.



Integrating and interconnecting cleaner energy while helping to maintain grid reliability and secure power supplies for the renewable energy sector.

The digital twin and building information modeling (BIM)

Linxon's digital ecosystem delivers projects in a consistent, predictable and efficient fashion. Building information modeling (BIM), augmented reality and LiDAR are deployed in many of our projects from engineering through execution and commissioning.



Utilities

Serving utilities with engineering and program efficiency

Our in-depth understanding of utility standards and procedures, coupled with a unique ability to integrate and implement equipment innovations, is essential for meeting customer needs. The solutions provided combine state-of-the-art technology, such as compact GIS systems, with proven project management capabilities, including the handling of complex phased schemes. Customers can rely on the prompt delivery of robust, reliable, and efficient electrical systems that optimize the use of available substation sites.

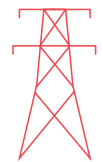
Our turnkey solutions incorporate the following works:

- design, manufacture, supply, delivery, installation and commissioning of established ABB Power Products
- an advanced range of Substation Automation and Protection Systems
- a considered approach to demolition/removal of redundant substation assets
- carefully planned site remediation and temporary/permanent service provision
- an optimized civil and GIS building solution





Power Generation



Innovative substation technology: Strengthening power generation and shaping a greener future

We design and deliver turnkey solutions that help customers achieve their goals with precision, delivering high lifecycle value and the least possible risk. Partnering with our clients, we build stronger, smarter, and greener grids that adapt to the evolving needs of the dynamic energy sector. We specialize in connecting critical loads to power grids and expanding infrastructure, offering optimized EPC substation solutions that support city growth, industrial expansion, utility reliability, and community connectivity. Our solutions enhance the capacity, reliability, and availability of transmission and distribution networks, leveraging advanced grid technologies and proven substation designs. Committed to sustainability, we focus on eco-friendly practices in civil and demolition works. With a global reach and strong local expertise, we ensure smooth, efficient execution at every stage, regardless of the size or complexity of the project.

- Flexible and reliable solutions for effective integration of power from renewable generation
- Interconnections with existing utility switchyards
- Comprehensive domain knowledge, global experience, continuous innovation and funding solutions
- Optimized turnkey substation solutions that support local grid code compliance
- Customer support throughout the lifecycle of the substation including brownfield upgrades and rehabilitation

Transportation

For rail substation applications and mass transit transmission

Linxon substations for rail ensure reliable power delivery to the line and vehicles so main line trains, metros and mass transit networks stay on track. Optimized rail electrification solutions ensure reliable supplies of AC and DC power are available to support high performance and efficiency.

We design, construct, test and commission complete traction power supply systems for both long distance rail and mass transit applications.



We specialize in high-voltage, traction and auxiliary power for:

- light/metro lines
- high-speed lines
- main lines and freight lines



We provide design, engineering, surveying, as well as grid compliance and approvals:

- EMC, earthing and bonding
- RAMS
- stray currents
- braking energy recovery solutions
- power quality solutions



Battery Energy Storage Systems

Advanced battery storage solution for diverse applications

Linxon has developed a comprehensive offering to help developers and investors in their journey to integrate Battery Energy Storage Systems (BESS) for both distribution and transmission applications. We support the analysis of site locations and interconnection requirements, evaluate both product and solution options, and we take pride in helping our customers structure projects with the right CAPEX/OPEX balance to facilitate ROI maximization.

Our unique DNA combines strong product knowledge with an engineering and construction expertise that enables us to support our clients in achieving their specific goals. Linxon's global buying power produces immediate value for our customers and our capacity to provide long-term Operation and Maintenance services extends this value proposition by making Linxon a true long-term partner. We have also developed relationships with a group of investors that allow Linxon to invest in, own, and/or operate projects for a period of 5 to 20 years.

For utilities, we provide designs that adhere faithfully to the technological and commercial needs of the project. Linxon's access to state-of-the-art technology, global supply chain, and top-rated civil and electrical engineering expertise is unparalleled in the BESS EPC market. These attributes enable us to supply EPC project solutions that meet our client's needs, and to go further by helping our client's plan for and achieve their decarbonization goals.

Depending upon the nature of the opportunity, Linxon is able to help with:

- Optimizing land usage by providing a project layout that achieves the energy output required
- Assessing technologies and providing data to select the right technical solution
- Bringing supply chain capabilities and buying power
- Providing a real partnership with upfront investment
- Optimizing solutions with creative engineering throughout development
- Leveraging and creating partnerships necessary to realize investment goals
- Facilitating access to capital markets by either offering project financing (which could include a full capital stack) or connecting clients with the right ecosystem players to fill financing gaps
- Supporting client efforts to leverage renewable energy incentives as provided by legislation like the IRA and others
- Customizing the level of client support to align with each client's needs, adjusting as appropriate to their level of industry experience and expertise





Data Centers



Serving data center operators with specialized designs for reliable power

Adequate and reliable power is essential for data centers, making substations the lifeline for these mission-critical loads. With extensive experience engineering and building HVAC substations, Linxon has the expertise to meet the unique performance requirements of hyperscale data centers that depend on consistent and reliable power.

Our data center areas of expertise consist of:

- Serving data center operators with specialized substation designs for redundancy and reliability
- Upfront planning and systems studies including short circuit calculations

- A turnkey approach from site development and engineering to optimized designs and full project execution
- Expertise in cutovers and sequencing to work within site limitations
- AIS, GIS, and Hybrid solutions (sustainable non-SF6 equipment is available)
- Modular systems that enable faster deployment and digital substations that provide automation, communication and lower O&M costs

With a focus on reliability, availability and safety, Linxon is one of the top EPC companies for data center substations.

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