

SAFE, SECURE OPERATIONAL CONTROL SERVICES

SSE Energy Solutions Control Centre



ELECTRICITY NETWORK MANAGEMENT

We are proud to introduce our SSE Energy Solutions Control Centre, offering our clients control services of the highest integrity for the operation of independent networks. Using Electricity Network Management and Control (ENMAC) software operated by experienced Control Engineers, we provide 24/7/365 supervision, control and protection for networks up to and including 132kV.

IF IT ISN'T SAFE, WE DON'T DO IT

The safety and wellbeing of our customers, the public, our workforce and our contractors is our highest priority. In fact, this is the core purpose of the SSE Energy Solutions Control Centre. We want all of our network stakeholders to return home in the same condition at the end of the day as they began at the start, if not better.

We believe that the SSE Energy Solutions Control Centre provides the most effective means of establishing a safe system of work, being underpinned by a suite of competent procedures developed and maintained in-house by some of the most experienced personnel in the industry.



FEATURES

- Reliable, safe and secure network management
- Real time supervision of high voltage networks
- Active network control capability
- Safe release and restoration for unplanned events
- Programmable automation to minimise interruption
- Operation by highly trained and authorised Control Engineers
- Underpinned by comprehensive safe system of work procedures.

WHAT WE CAN PROVIDE

Highly trained and experienced Control Engineers provide real-time assistance to our customers for establishing safe isolation in order that planned work can be undertaken on electrical networks, while ensuring safety is established in response to unplanned events.

Our independent Control Engineers are removed from daily site distractions and offer reliable assistance and advice, supporting operational field staff in their critical decision making.

Our clients' equipment can be configured to send alarms directly to the Control Engineers' screens in order that we can respond quickly and safely. Equipment can also be set up to receive real-time command signals from the Control Engineer, immediately reconfiguring networks to a safe and serviceable running condition following an incident. Automatic switching schemes, managed by the SSE Energy Solutions Control Centre, can also be established to swiftly isolate faults and restore supplies.

In addition, the SSE Energy Solutions Control Centre manages Operational Restrictions and Defects, such as Suspension of Operational Practice (SOP) and Dangerous Incident Notifications (DIN). These are identified through the Operational Safety management architecture which runs at the core of our business under the close supervision of our Designated Engineer.

GE POWERON™ TECHNOLOGY

Our Advanced Distribution Management System (ADMS), supported directly by GE, ensures peace of mind for our customers and users in providing the most robust and flexible software, using which we can carry out a wide range of network operations suited to each network.

The GE ENMAC (Electrical Network Management & Control) software has integral safety logic-verification to provide a layer of protection against operator error. The network is displayed in real time, and symbols change state as commands are issued or received. A range of statuses can be set up, including voltage, current, power, switch position, circuit availability, earth application, and generator contribution.

The software can be configured to record and store loss of power events, and to track weather events. Contingency plans can be loaded into the system and instantly called on by the Control Engineer.

Protection, grading and fault level information can be made instantly available, to reduce downtime and assist with future projects.

SECURITY AND RESILIENCE

Providing a reliable, resilient and secure service has been a fundamental design objective of the SSE Energy Solutions Control Centre. This has been achieved by incorporating a blend of the latest industry-proven technology and infrastructure into its construction. This infrastructure also incorporates some of the most current security systems available on the market, which proactively monitor and protect our control systems in real-time against the ongoing threat of cyber-attack.

We've also embedded a thorough audit capability which records and logs every action taken by our operational staff for post-event review and continuous improvement.

Rest assured, your networks are in safe hands under our control.



OUR CONTROL CENTRE STAFF



The SSE Energy Solutions Control Centre team constantly monitor stakeholder networks providing cover 24/7/365 days of the year.

SMART DISTRIBUTED ENERGY INFRASTRUCTURE SOLUTIONS

Designed to meet local energy needs and drive Net Zero.

SSE Energy Solutions is part of SSE plc, a UK based FTSE 100 company with 75 years' experience operating in the fast-changing energy industry.

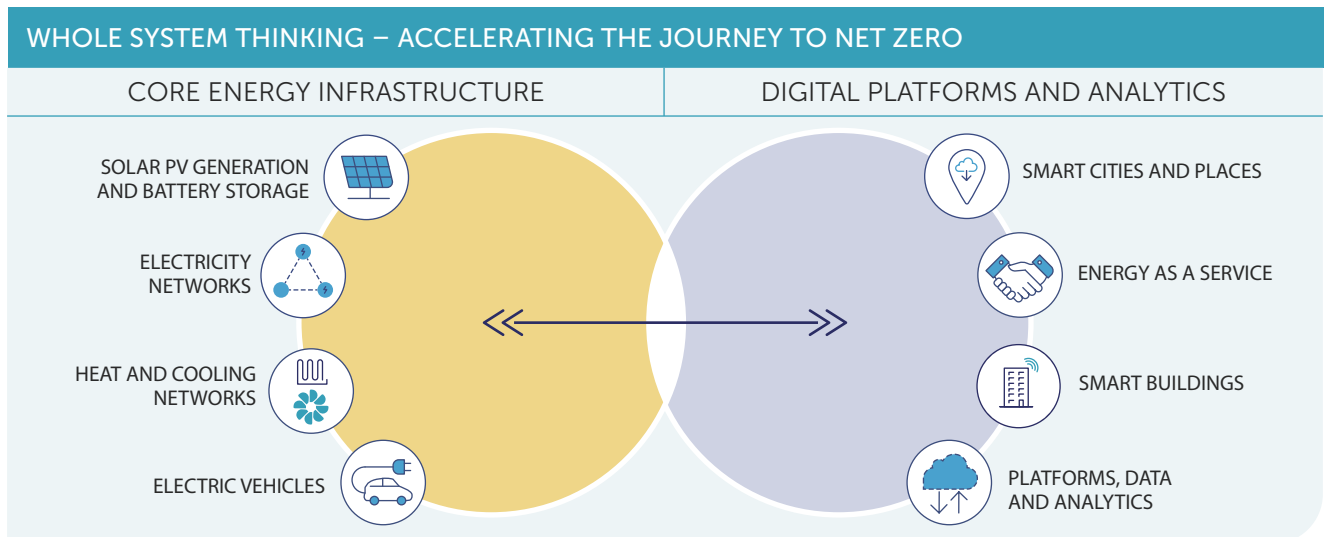
SSE Energy Solutions plays a major part in the emerging consumer-led energy system, and provides key services to enable users to benefit from new ways to optimise and manage their low carbon energy use.

Our Distributed Energy business teams adopt a whole system approach by investing in, building and connecting your localised, flexible energy assets to accelerate your path to net zero and create a more resilient energy system for the long-term.

Right now, your decision to pick SSE Energy Solutions, part of an established renewable energy company investing in all our futures, will be the right choice for you and for our environment.

Our energy solutions include:

- Electric vehicle infrastructure for public transportation and vehicle fleets
- Local electricity infrastructure including building, owning and adopting private HV networks
- Heating and cooling networks for residential, commercial and industrial consumers
- Local energy generation, including funded offsite/ onsite solar PV
- Energy storage solutions, including battery storage
- Optimising building energy consumption and use
- Data platform services to support smart buildings, places and cities
- SSE Enhance, our aggregation and trading platform for small energy assets
- A growing suite of green energy supply solutions, including corporate power purchase agreements.



FOR A BETTER WORLD OF ENERGY

Get in touch with our team to find out how we can help you

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