

The Siemens logo is displayed in a bold, teal, sans-serif font.

Ingenuity for life

Resilience as a Service

The smart, sustainable way
to manage energy resilience

siemens.co.uk/energy-resilience

Keeping pace with increased demand

It is now an expectation that manufacturers, multi-site businesses and campuses continually innovate and transform at pace to meet the ever-changing needs of the public who use, purchase or benefit from their services. To meet this need, energy resilience must provide reliable day-to-day and critical power to support increased operational demands and ensure continued performance.

With this in mind, electrical energy asset management should focus on sustainability as well as reliability – particularly when the impact of outages can be so severe. However, most businesses have a wide variety of essential day-to-day power components controlling lighting, heating and cooling, plus critical power systems including back-up generators, transfer switches and surge protective devices. Assets have differing specifications and, due to the longevity of the technology, are of varying ages.

Many systems have been repaired over time, reducing efficiencies and masking the true state of a business' energy resilience.

Did you know?

Siemens estimates that 70% of its Reyrolle switchgear pre-dating 1970 is still in use across the country.

Siemens' Energy Resilience as a Service offer provides businesses with a smart, sustainable way of tackling resiliency. We bring together industry leading service level agreements (SLAs), a clear digitalisation programme, proactive ongoing support and the best of our expertise and experience for a package that's fit for the new world of energy asset management.

The challenges to your energy resilience

Many organisations fail to truly understand their energy resilience risks. Modern businesses require agile approaches to energy management that can cater for changing expectations, unpredictable demand, and the impacts of electrification and automation.

Legacy methodologies, systems and approaches struggle to support the needs of modern manufacturing, campuses or businesses, and too often create problems of their own, including:

- Outages and downtime, which cost UK businesses **£180bn¹** in lost production output and lost working hours every single year
- Brownouts, where there is a partial or temporary reduction in system capacity
- Blackouts, where power is completely interrupted, bringing operations to a halt

These issues can quickly lead to further challenges including insurance invalidation, personal liability, missing strict SLAs in supply chains and the considerable cost of unplanned downtime.

¹themanufacturer.com/articles/machine-downtime-costs-uk-manufacturers-180bn-year



Today, many sites face this issue. Capacity requirements aren't understood, and the future reliability of the network goes underappreciated. It's not difficult to see how this situation develops when engineers often have no choice but to focus on the next fix rather than the bigger picture, inadvertently creating an estate that becomes more complex to run and maintain over time.

As the experts in risk identification, risk management and issue resolution, Siemens works with you to build a strategic, supportive approach to resilience, meeting your needs now and in the future, whilst saving time, money and resource.

The Siemens difference

Many areas of business now run with an 'as a service' structure that improves outcomes while ensuring financial viability over the short and long term. Energy resilience should be no different - it can be the ideal way to re-invigorate a site, modernise energy asset management, and move to a more sustainable, accountable and transparent model.

Siemens Resilience as a Service

Resilience as a Service from Siemens is based on SLAs. Collectively, these govern optimised metering for greater visibility over usage, billing so that costs are manageable and predictable, and monitoring that identifies potential issues long in advance so they can be addressed before the need is urgent. It also includes enhanced digitalised tools, annual reviews and standardised reporting across sites, so the quick fix and repair way of working is replaced by a strategic, business-first approach.

We pride ourselves on being the experts the experts call for problem resolution and insight. Not only do we identify risks more effectively, working with us means gaining unrivalled access to parts and world-leading capabilities to resolve issues or assemble components on site. So, when things do go wrong, we'll help you reach issue resolution faster. We also have access to the latest lifecycle and performance statistics, meaning we spot what may be around the corner, significantly minimising the probability of outages and the problems they cause.

Key benefits

These are just some of the benefits you can expect when working with Siemens:

- Standardised, consistent reporting for full visibility of costs, assets, risks, and investments needed
- A 24/7 customer contact centre with queries directed to field support when required
- Accelerated lead times and fast product exchange on orders
- Fast track access to Siemens Smart Infrastructure for spare parts
- Annual site visits alongside deep inspection and maintenance testing of assets
- Recommendations on what is fit for purpose, and what are the likely key areas of failure
- Strategic advice on investments
- Predictable billing and regular monthly fees
- Access to Siemens Financial Services for more challenging or significant projects

"Modern energy supply needs modern solutions. A comprehensive, forward-thinking approach is essential to achieving a reliable and resilient power supply – and that means fast load management and 24 hour support. Thankfully, we can design systems that offer this, slashing the risk of power outages with super-fast load shedding."

Steve Aughton, Head of Sales - Campuses