SIEMENS
Ingenuity for life

Resilience Strategy

Why power resilience is essential in keeping the lights on

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Why having a resilience strategy matters

The next five to ten years will be crucial for every business' energy strategy. Market changes, unpredictable customer demands, changing consumer preferences are all having an impact. Meanwhile, systems reaching the end of their workable life, supply strain, and changing requirements for energy and power are all combining to make a clear, coherent resilience strategy a must.

Most respond to this by thinking about energy capacity – but this commonly creates two problems, including an inability to truly understand capacity requirements, and a lack of understanding about the strength and health of electrical network assets. To mitigate these risks, businesses need new, smarter and more robust resilience strategies.

Of course, every organisation's needs are different. Your strategy should meet your specific requirements and challenges, including geographical locations, the size and variety of sites, the nature of your operations, access to skills in-house or third parties, and the age and complexity of your energy assets.

Siemens' experts will work with you to create an energy resilience strategy that's focused on both your current and long-term business needs.

Reducing risk in your operation

Most businesses face challenges in how they manage energy resilience. For many, as operational pressures increase, energy requirements have evolved, but legacy assets have not kept pace or have become obsolete. Some businesses have encountered problems in keeping track of risks, costs and efficiency across sites. Others have seen energy become more difficult to manage, as they grapple with contemporary issues like supply diversification, more on-site energy production and decarbonisation targets.

All of these factors create greater risk, increasing the likelihood of blackouts and brownouts. Such failures can lead to a loss in customer confidence, increased waste and unforeseen costs.

Perhaps most worryingly, reliance on legacy assets has increased pressure on mission critical energy scenarios, in which any disruption could cause serious harm to the business or wider society.

A clear and coherent risk management strategy can provide complete visibility of current process whilst providing a cohesive solution that addresses concerns around costs, service disruptions, and the availability of skillsets and support.

The Siemens difference

Working with Siemens means collaborating with our experts to give your business the tools to map out a transparent approach to energy resilience.

Whether the need is freeing up space by installing smaller, more efficient switchgear, replacing legacy assets due to oncoming obsolescence, working in a more transparent and open way, or transforming monitoring to provide operational visibility, we will create a tailored strategy that streamlines your estate for easier, more cost-effective management over time.

A Siemens resilience strategy will help you to identify risks more intelligently, manage electrical equipment across multiple sites, account for changing energy supplies (including more green energy, decarbonisation and on-site generation and storage), and give peace of mind to those running mission-critical energy supply scenarios.

Benefits and components

The core benefits of working with Siemens include; reduced operating costs, reduced risk and liability, and better investment planning. We deliver these through:

- Prioritising areas of operations and building greater resilience for critical areas (for example a smelter, an ICU in a hospital, or utility distribution)
- Right sizing and replacing legacy assets when necessary
- Understanding liability and helping engineers provide transparency to key stakeholders and regulators
- Consistent, high-quality monitoring and reporting

"Some organisations can't afford not to have peace of mind when it comes to their grid. But when increasing amounts of pressure is being piled on onsite systems, businesses need a more comprehensive, forward-thinking approach to meet the demands of modern energy supply."

Steve Aughton, Head of Sales - Campuses