

Jacksons Fencing specified to install EuroGuard® Flatform Mesh Fencing at a leading UK battery storage facility

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In response to the growing demand for enhanced security at renewable energy sites, [Jacksons Fencing](#) has recently successfully completed the installation of 443 metres of EuroGuard® Flatform twin wire mesh fencing at a leading battery storage facility in the UK.

As the UK accelerates its shift towards a sustainable energy grid, securing battery energy storage systems (BESS) is essential for ensuring energy security. This project represents a crucial step in protecting the infrastructure needed for a renewable future.

Addressing the demand

BESS plays a pivotal role in the UK's renewable energy strategy by storing excess energy generated from wind and solar sources to balance supply and demand. As these facilities become more common, they face heightened risk of theft, vandalism, and operational disruptions, making robust security solutions essential. Jacksons Fencing delivered a tailored security solution, combining cost efficiency, scalability, and high-level protection.

Tailored security solutions for a critical site

The security needs of the battery storage facility included preventing unauthorised access, deterring vandalism, maintaining high visibility for security patrols and surveillance, accommodating future expansions cost effectively, and facilitating smooth delivery and maintenance of large battery units.

Jacksons Fencing addressed these needs by installing its EuroGuard® Flatform twin wire mesh fencing

system around the site's perimeter. This solution provides advanced security features with clear sightlines, ensuring effective monitoring while maintaining a budget-friendly approach. The unobtrusive design also preserves the surrounding rural landscape, contributing to a positive work environment.

Vandal-resistant and anti-theft design

The EuroGuard® Flatform system's twin wire mesh panels incorporate anti-tamper fixings placed on the secure side of the fence, ensuring the installation is highly resistant to vandalism and tampering. This feature is crucial for protecting the sensitive and valuable battery storage equipment housed on-site. By keeping the carefully designed fixings out of reach, EuroGuard® Flatform prevents breaches and fence panel theft, leading to gaps in the perimeter..

With a 25 year guarantee, the fence provides comprehensive long-term protection for this vital infrastructure.

High visibility and safety

The mesh design of the EuroGuard® Flatform system allows high visibility for security personnel and surveillance systems, facilitating the early detection of potential threats.

This high-visibility design also ensures that the fence blends into the rural landscape, preserving countryside views and fostering a pleasant environment for workers.

Cost, space efficiency and scalability

For large-scale energy storage facilities, cost-efficiency is a critical consideration. EuroGuard® Flatform system provides a secure yet budget-friendly solution without compromising on quality. Its modular design allows for easy scalability, enabling the facility to expand its security perimeter as it grows. By using a mesh clip installation system, the fencing can be extended to accommodate additional battery units while maintaining a high level of security.

To further enhance operational efficiency, Jacksons Fencing installed a 6-metre wide mesh gate to streamline battery unit deliveries, reducing access points and enhancing security.

Perimeter Intrusion Detection System (PIDS)

Given the facility's remote location, Jacksons Fencing also integrated a Microphonic Perimeter Intrusion Detection System (PIDS) into the fence. This system is designed to detect any attempts to cut or breach the fence, providing an additional layer of security. The PIDS ensures that any intrusion attempts are swiftly identified and addressed, even in isolated areas.

Peter Jackson, Managing Director of Jacksons Fencing, commented on the project's success: "Securing energy storage is crucial as the UK aims for a sustainable future, especially with the goal to double onshore wind to 30GW by 2030. Installing EuroGuard® Flatform fencing at this battery storage facility shows our commitment to delivering high-quality, scalable security solutions that protect vital assets and support the UK's energy stability."

For further information about Jacksons Fencing's role in this project, [click here](#).