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CASE STUDY

DELIVERING RESILIANCE FOR UK INFRASTRUCTURE

Overview

To support ongoing operations and future-proof its energy infrastructure, a major paper mill commissioned reinforcement and upgrades to its high-voltage electrical systems. The project involved the decommissioning of three aging 132/11kV power transformers and the relocation of two existing units onto newly constructed semi-permanent bunds, followed by safe reenergisation.

These works were critical to maintaining uninterrupted production and enhancing the resilience of the site's electrical network. Operating within a live industrial environment, the project demanded precise planning, technical expertise, and close coordination with site stakeholders to ensure minimal disruption and full compliance with environmental and safety regulations.

Project profile

Location:
Deeside,
North Wales
United Kingdom

Solution:
3 x 132/11kV power transformers and 3 x 33kV switchrooms

Delivered by:
aprenda

At a glance:

Safety Trust Efficiency

BRUSH Power Solutions

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Solution

Project scope included constructing and testing new transformer bunds, commissioning associated switchgear, and updating the site's protection systems to meet current standards. As part of the broader upgrade, enhancements to the substation were implemented to improve long-term reliability. The project was carefully managed to ensure compliance, safety, and alignment with environmental and operational priorities.

Result

Thanks to rapid resource deployment and strong stakeholder coordination, the project meets operational requirements and boasts minimal environmental impact, setting the foundation for improved electrical performance at the facility.

More information

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FOR MORE INFORMATION
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From concept, through to design, build, connection and everything in between, our end-to-end engineering solutions offering provides network solutions across the energy management landscape.