BRUSH Power Solutions

BRUSH POWER SOLUTIONS

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CASE STUDY

WIRING CONNECTION FOR LEADING ENERGY CENTRE

Overview

BRUSH Power Solutions were engaged to design and build a 33kV private wire connection to link a large-scale solar PV farm to a leading energy centre based in Cambridge.

The project involved the development of 11km underground cable route, combining open-cut and horizontal directional drilling (HDD) methods, as well as the construction of three remote-end switchrooms. This connection plays a key role in delivering renewable energy directly to the end user while reducing reliance on the public grid.

At a glance

Renewable energy

Safety

Efficiency

Project profile

Location:
Cambridge,
United Kingdom

Solution:
33kV private wire connection and three 33kV switchrooms

Delivered by:
aprenda

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Solution

Project scope included the full design and implementation of a 33kV private wire connection, along with the installation of two customer substations, and the construction of a Distribution Network Operator (DNO) switchroom. At the destination site, a 33kV/11kV transformer was installed to enable voltage transformation for integration into the customer's energy centre.

The project utilised a combination of traditional trenching and HDD techniques to navigate complex ground conditions along the 11km route.

Result

The project represents a major milestone in establishing a resilient and future-ready electrical infrastructure, enabling the direct supply of clean solar energy to the energy centre.

More information

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FOR MORE INFORMATION
SCAN HERE

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.