

CASE STUDY

STRENGTHENING THE NETWORK

Overview

A 132kV transformer at Scottish and Southern Energy Networks' (SSEN), West Grafton substation was identified during a routine condition assessment as in need of replacement. With oil leaks that could pose an environmental hazard and a threat to network reliability, the transformer (A2MT) was marked for immediate replacement.

Further assessment also recommended the replacement of several key components, including the 33kV auxiliary transformer (C2TET), circuit breaker (C2T0), voltage transformer (C2TVT), and ABSD C2T3 with its integral earth switch (C2T1).

At a glance



Safety



Installation



Grid stability

Project profile

Location:

West Grafton,
Wiltshire,
United Kingdom

Solution:

132kV transformer
replacement and
installation

Delivered by:

KUS
POWER
ENGINEERING

Solution

The project included a full design and build package, including all electrical design and installation works. Civil works were managed by BRUSH Power Solutions through coordination with a preferred and trusted civil subcontractor. The company's integrated approach allowed for smooth execution and strong oversight across all stages of the project, from initial planning through to commissioning.



Result

The project was delivered on time and on budget with zero safety incidents. The upgrade improved asset health, network reliability, and environmental safety, showcasing BRUSH Power Solutions' capability in delivering high-quality substation infrastructure.

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.

