

# Case Study | St Johns Wood - 132kV Fluid Cable Replacement



"Community section scored as exceptional to reflect the continuing efforts made to minimise disturbance to neighbours and public (no complaints) and the efforts made to engage with the local community."

Considerate Constructor's Audit Report 10/08/2017

## Background

As a partner in the ED1SON Capital Delivery Alliance with UK Power Networks, Clancy were contracted to secure the future power supply for local residents and businesses by replacing an existing fluid-filled 132kV cable network with six new 132kV circuits between St John's Wood and Aberdeen Place substation. Replacing the oil-filled cable would be better for the environment, avoiding the annual use of 30,000 litres of insulating cable fluid oil.

## Solution

Clancy was responsible for the design of the cable route, cable installation and terminations, and acting as Principal Contractor, managed the installation, termination and commissioning of the new circuits. We employed a specialised surveying contractor to undertake trial hole surveys to inform the design and planning phases. We also fully decommissioned the ageing oil-filled assets and observed a strict method statement to avoid environmental pollution. The location posed many challenges: a tight working area, numerous existing utilities and 12 stakeholder interfaces.

## Benefit

The team's flexibility meant works progressed on schedule, despite unforeseen obstacles which necessitated an amended circuit route design, and the completed project now provides long-term network resilience. Clancy's proactive stakeholder management plan built positive relationships with the local community. A dedicated customer liaison manager prioritised community engagement activities which enabled information exchange and feedback capture. Clancy formed strong links with a local school to increase children's awareness of safety around construction sites.



COMPLEX PROJECT TO  
**REPLACE**  
FAILING OIL-FILLED  
CIRCUIT



EXCEPTIONAL  
COMMUNITY  
ENGAGEMENT