

ELECTRICITY NORTH WEST LTD (ENWL)

Stalybridge to Hartshead 132kV Tower Replacement & Overhead Line Refurbishment



Introduction

This is a three Span, 132kV Double Circuit Overhead Tower Line linking Hartshead and Stalybridge Substations.

Overview

The key aspect of the works was the wholesale replacement of Terminal Tower CJ3 a PL4 DT90, required to be completed under Single Circuit Outages.

This required the Installation of a Temporary Tower CJ3T immediately adjacent to Hartshead Substation.

Phase and Earth Conductors, Insulators and Fittings were replaced throughout the route.

An amount of Steelwork was installed for change on Tower CJ2 (PL16, DD60), including Key Crossarm Members.

SOLUTION IMPLEMENTED

IMPLEMENTATION

Activity

Temporary Foundation and Tower installed, Conductor Refurbishment - Earthwire replacement with OPGW – Tower Condition Steelwork replaced.

Technologies Used

132kV Full Tension Stringing (using UK Highway Agency approved Catenary Support System).

Customer Benefits

- To extend the life span of CJ Route TOHL
- Reduce the risk of future proof for a critical part of ENWL's network.

Country: United Kingdom
Site: Stalybridge-Hartshead
Budget (£m): 0.6

Start Date: 07/2016
End Date: 11/2016

Business Units Involved
Omexom – UK TOHL

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