

Drakelow – Burton 132kV Overhead line Works

Customer: **Western Power Distribution (WPD)**

Country: **United Kingdom**

Site: **Drakelow**

PROJECT DESCRIPTION

The AG Line is a double circuit 132 kV tower line running from Drakelow to Burton, on PL16 design towers, with 4 additional PL1 towers as the route splits into single circuits.

The project consisted on the replacement of the existing 175mm² ACSR LYNX conductors with 300 mm² AAAC UPAS conductor and at the same time replace the existing 70mm² ACSR HORSE Earthwire with equivalent OPGW. Tower condition assessments were carried out and identified corroded steelwork was replaced. The 4 PL1 towers were dismantled and removed, as the entire route was re-arranged exclusively on to double circuit towers.



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Transmission

▶ Voltage (kV) : **132**

▶ Length (km) : **5.5**

▶ Number of circuits : **2**

▶ Amount of the project (k€) : **893**

▶ Start date : **05/2018** – End date : **08/2018**

▶ Business units involved : **Omexom UK Transmission**

EXPERTISE

Engineering : PLS-CADD expertise

Construction : Supply and logistics, Roads and railway crossing, Worksite management

Reconstruction & reinforcement : Power line reconductoring and replacement of shield wire (OPGW)

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