

CASE STUDY

REFURBISHMENT OF CLUNIE – COUPAR ANGUS 132KV OVERHEAD LINE



PROJECT AT A GLANCE

Client: NorPower
Project: Clunie – Coupar Angus
Value: £400,000
Location: Perthshire, Scotland
Year: 2014 - 2016
Duration: 24 Months



PROJECT BRIEF

LSTC were instructed by NorPower to complete 38km of tower line refurbishment on behalf of SSEN in Perthshire. The project involved the replacement of the existing 175mm² ACSR Lynx conductors with 300mm² AAAC Upas.

CHALLENGES

The main challenge of this project was the strengthening of tower legs and foundation upgrades on a tower at high altitude and the temporary arrangements associated with the works. In addition, the tower was in an area of outstanding natural beauty.

OUR APPROACH

LSTC assessed the structural suitability of the existing tower line for the proposed new conductor system. This included the design of strengthened steelwork members and foundation upgrade requirements and all associated drawings to enable the construction stage to commence.

PROJECT OUTCOME / DELIVERABLES

- Full refurbishment of the line was completed in November 2016.
- Completed on time and within budget under very tight time scales.