



SELECTED REFERENCES

NETWORK CONVERSION OF LINZ-SOUTHEAST LINE

Commissioned by: VERBUND-Austrian Power Grid AG (APG)

Value of order: approx. € 5.5 million Project start: 06/2006 Project end: 02/2007

A reliable electricity supply is essential for the continued successful development of industry in the greater Linz area. During the necessary expansion of the network, VLB Leitungsbau carried out the conversion of the 110 and 220 kV transmission lines in the Linz-Southeast region.

The supreme priority in this project was to guarantee an uninterrupted power supply. Within a very short period of time, VLB therefore had to dismantle two 110 kV lines, install a 220 kV line, and connect it up to the newly constructed Pichling transformer station (SF6 installation). Despite the extremely short time of just eight months available for the engineer-

ing, material procurement and erection coupled with difficult switching conditions, the project could be completed in record time. A total of 60 employees using the latest cable pulling machines were deployed in order to install the quadruple line (over 600 tonnes) on 25 masts. Minimizing the impact on the landscape was a particular challenge in this project, and was continually monitored by the ecological construction inspector. VLB worked together with the following firms on this project: Lumpi-Berndorf Draht- und Seilwerk GmbH, Mosdorfer GmbH, Porzellanfabrik Frauenthal Insulators GmbH and Grund-, Pfahl- und Sonderbau GmbH.



The work carried out by VLB Leitungsbau for this project included the following:

- 25 new masts erected
- 150 km cable installed
- 450 tensioning chains and high-voltage insulator units installed
- 600 m piles drilled (3 piles per angle steel)
- 560 marker balls attached
- 30 old masts dismantled
- 8,000 m² zero-voltage scaffolding for junctions erected