

The Multi Service Group.



## Leipzig - Mockau, Jet Grouting

Leipzig, Germany



As part of the infrastructure project 'German Reunion', the 80 year old train bridge in Leipzig-Mockau had to be replaced. Its location and structure failed to meet the requirements of a modern railway system.

To enable uninterrupted traffic on this German main railway route without any speed limitation, the new bridges were constructed next to the existing bridge. After completion, the bridges and their abutments were to be slid into final position on the existing centerline.

For the stable and permanent foundation of the abutments, jet grouting works had to be performed for the sliding operation as well as the final bridge foundation.

Due to an excessive planning and survey phase, workmanlike execution of the jet grouting works could be achieved even in the tightest work areas. Both bridges could be installed without any problems in only one traffic interruption.

For the realization of such tight construction schedules in harsh winter conditions, up to 5 jetting units were employed in two shifts to drill the 22 m deep borings. Low temperatures made an encapsulation of the complete mixing plant and all its grouting lines necessary.

### Quantities:

15,000 m<sup>3</sup> Jet Grouting

### Contract Value (net):

5.19 Mio EURO

### Construction Period:

10/1997 – 03/1998

### Client:

Deutsche Bahn AG

Germany

### Services:

Jet Grouting

### Contact:

Bilfinger Berger Spezialtiefbau GmbH

Office Rhein Ruhr

Schnabelstrasse 1

45134 Essen

GERMANY

Tel: +49-201-1707-293

Fax: +49-201-1707-230

[www.foundation-engineering.bilfingerberger.com](http://www.foundation-engineering.bilfingerberger.com)