



## A4 MOTORWAY JAGDBERGTTUNNEL

JENA / GERMANY

### Client

DEGES Deutsche Einheit  
Fernstraßenplanungs- und -bau  
GmbH

### Consortium

STRABAG/Heilit & Woerner AG

### Construction period

2008 – 2013

### Key facts and figures

New 6-lane motorway with rerouting  
along 12 km

Construction of a 3 km long tunnel  
with 2 bores

Earthworks: 4 million m<sup>3</sup>, thereof  
1 million m<sup>3</sup> tunnel excavation

Concrete roadway: 330,000 m<sup>2</sup>  
Dewatering pipes: 70,000 m

Costs of construction: € 90 million

### PROJECT DESCRIPTION:

The project is located between the Jena/Göschwitz and Magdala junctions and forms part of the upgrade of the A4 motorway between Dresden and Erfurt. The construction of the new section of motorway involved a complete rerouting to meet modern standards of motorway construction.

### PROCEDURE:

The project involves the rerouting of the A4 motorway along a length of about 12 km and the construction of a 3 km long tunnel. Heilit+Woerner Bau GmbH is carrying out all construction along the section as well as the interior tunnel construction. Quality assurance is being handled by TPA Gesellschaft für Qualitätssicherung und Innovation GmbH with its own construction site laboratory and constant presence on site.

### SERVICES PROVIDED BY TPA:

- Preparation of initial type testing and suitability documentation for the hydraulically bound base course, the concrete surface and the asphalt mixture
- Preparation of quality assurance plans
- Classification of relevant soils
- Preparation of mixing instructions
- Self-monitoring of earthworks and road surface layers
- Inspection of incoming construction materials
- Engineering and geological consulting (TPA Bad Hersfeld)