

Hydro geological Monitoring Programm Finne Tunnel

C&E • Analytik- und Umwelt-
dienstleistungs GmbH



D-09117 Chemnitz • Jagdschänkenstraße 52
Tel.: +49 (0) 371 881 22 39 • Fax: +49 (0) 371 881 45 89
E-mail: info@cue-chemnitz.de
Internet: www.cue-chemnitz.de

Objective: Hydro geological proved insurance for the construction project of the new high speed railway connection Erfurt – Halle/Leipzig in the area of the Finne Tunnel

Location: Finne (Herrengosserstedt – Bad Bibra)

Client: DB ProjektBau GmbH

Beneficiary: Deutsche Bahn AG

Duration: 2007 - 2013

Budget: 750 T€

Initial Situation:

The new high speed railway line Erfurt-Halle/Leipzig of the German Railway Company Deutsche Bahn AG crossed the mountain chain Finne between the settlements Herrengosserstedt and Bad Bibra near Apolda. This ecological sensitive area is protected by the European Commission as Flora Fauna Habitat area. An extensive monitoring well system and a surface water measurement net to hydro geological proved insurance of the tunnel construction measure exist.



Scope of Services:

- project management
- measurement of ground water monitoring wells
- flow controll of springs and surface waters,
- chemical analyses of water samples
- isotope analytical investigations
- declaration analyses of soil samples
- hydro geological evaluation
- expert services and evaluation