

Scope of Services

Horizontal Directional Drilling

- **Drilling Fluid Supply**
 - Horizontal Directional Drilling - HDD
 - Microtunnelling
 - Vertical Drilling & Mineral Exploration

- **Development of Drilling Fluid Additives + Polymer Systems**
 - Standard grounds
 - Gravel
 - Swelling or instable clays
 - Salt water or saline environment

- **Consultancy & Feasibility Studies**
 - Technical examination and evaluation of HDD – projects
 - Drilling Trajectory calculation
 - Risk Analysis
 - Basic engineering + concept preparation
 - Cost Estimation

- **Detail Engineering of HDD Projects**
 - Static calculations for the drilling process & product pipes
 - Mud Engineering
 - Determination of drilling fluid requirement / consumption
 - Hydraulic calculations + tool selection
 - Optimizing of tender documents

- **Job Site Supervising acc. DVGW GW 329 A/B**

- **Construction Supervising HDD**

- **Site Managing HDD**

- **Expert Opinion Horizontal-Directional-Drilling**