



DB Engineering & Consulting GmbH

Job - Geotechnical Design Engineer - Romania (f/m/d)

https://jobs.deutschebahngroup.careers/en_US/jobsGlobal/JobDetail/Geotechnical-Design-Engineer-Bucharest-Romania-f-m-d/132288

Introduction

Railways for the world of tomorrow.

Responsibilities

Deutsche Bahn's expertise is in high demand all around the world. As a leading engineering and consulting company in the rail sector, DB Engineering & Consulting offers that knowledge – starting with an idea and continuing all the way to operations. We advise our customers in Germany and around the globe, develop technically sophisticated and customized infrastructure, mobility and transport solutions. With sustainable concepts, we ensure the future success of economic regions, make important contributions to the protection of the environment and help shape the world of the future.

Since 1966, DB Engineering & Consulting has implemented thousands of projects of any size and complexity in over 100 countries. About 5,000 employees from 84 nations are currently realizing the projects of our customers with professional knowledge and intercultural experience.

For our Rail Baltica Project, we are looking for an experienced Geotechnical Design Engineer willing to join us in delivering one of the most important High-Speed Rail Design Projects within the European Union.

- Involvement in the Geotechnical technical planning infrastructure projects, technical drafting in compliance with German and/or European technical standards in force
- Development of details and execution drawings for specific Infrastructure projects and other written documentation with focus on Geotechnical engineering
- The evaluation of technical special proposals (technical Opinions)
- Communication skills to interface and collaborate with other project team member
- Cost estimation, cost calculation and profitability calculations
- Implementation of quality procedures within projects
- Carrying out site visit to optimize the consolidation works and their adaptability to the field
- Establishing consolidation and soil improvements solutions with their applicability and ensuring collaboration and communication with other specialties and sub-designers
- Description of designed works, elaboration of specialized technical reports, elaboration of technical specifications, elaboration of drawings in accordance with the calculation notes
- Carrying out calculations and structure dimensioning (general stability of slopes, dimensioning of retaining structures or MSE walls, settlement analyses, pile design etc.), applying technical conditions according to state folders as well as implementation of Eurocodes and local standards.

Qualifications

- Bachelor/Master degree in Rail, Roads & Bridges Engineering or Geotechnical Engineering
- At least 3 years of experience in Geotechnical design, with focus on railway/ road earthworks, retaining walls and foundations design.
- Good knowledge of industry-standard software (e.g. Slope/W, Settle3D, Plaxis 2D/3D)
- Good knowledge of Microsoft Office programs and Autodesk (e.g AutoCad, Civil 3D)
- A team player to promote a good working environment
- Analytical thinking, hardworking, responsible and flexible
- Fluency in Romanian and English are required. Other language skills, especially German, is beneficial.