



## Our services



### Preliminary studies

- Development of railway infrastructure
- Design of high speed lines
- Modernization of existing lines
- Development of road infrastructure
- Feasibility studies
- Elaboration of master plans
- Urban and landscape integration of railway infrastructure
- Compilation of safety documentation

### Detailed engineering studies

- Topographical, geotechnical and hydraulic studies
- Earthworks engineering studies
- Design of road infrastructure
- Design of bridges, viaducts, tunnels, etc.
- Studies and logistical support for track laying
- Direct current and alternating current electrification
- Signalling and telecommunications studies
- Preparation of safety documentation
- Safety / project / risk analysis coordination depending on project execution, usage operations and maintenance.





### Project Management

- Expropriations / land acquisition
- Permits
- Environmental management
- Technical and financial analyses
- Risk analyses
- Scheduling
- Cost evaluation and planning
- Carrying out audits of railway projects

### Construction site supervision

- Organization of worksites
- Quality control
- Execution studies and surveys
- Safety / construction coordination (with particular attention paid to the safety of TUC RAIL employees, those working for contractors, travellers and third parties)
- Work supervision
- Testing and validation

