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Integrated railway design for High Speed and Light Railway systems

NET Engineering provides comprehensive project management in the integrated design of both High-Speed and Light-Speed Railway. With more than 50 years of experience in this field, we have high-level competencies in the design of infrastructure alignment and track superstructure, rolling stock and systems engineering, ensuring projects of the highest quality thanks to our expertise in system integration.

Services

PLANNING

- Supporting clients to define priority in investment.

DESIGN

- From feasibility to detailed design and construction support
- Expertise in different specialistic fields as environment and sustainability, railway and tunnel safety, hydraulic, geotechnic and soil mechanic, structures.

OPERATION&MANTAINANCE

- Seismic and safety assessment for main civil works (bridges, tunnel, culverts)
- Structural reinforcement and improvement for existing structures
- Assessment of construction site impact for railway operation
- Optimisation of railway operation according using software microsimulation.

Competences

System engineering and integrated project design management

Track engineering

BIM modelling

