



Rail Track Engineering

A railway is a capital intensive and long-life asset that requires careful engineering, procurement of materials and equipment, efficient construction and sound management of the asset throughout its life. The track structure itself is a specialist field of engineering.

Our projects have often been at the heavy axle end of the rail spectrum, installed in harsh and remote conditions. Therefore, the need for reliability is paramount which is why our clients come back to us again and again.

Our experience on all facets of rail track throughout the life-cycle of the asset, on real projects that have been constructed and are now in operation, gives you the edge you need to maximise the value of your assets.

Our Expertise

Engenium's specialist group of railway engineers and designers are experts in considering all of the factors needed to specify, build, operate and maintain the most appropriate track for your needs, including:

- Project economics
- Axle loads and operating environment
- Constructability
- Maintenance requirements or restrictions
- Rail size and specification
- Turnouts
- Sleeper selection and specification
- Fastening systems
- Ballast quality and sourcing.

engenium
smart project delivery

Key Service Advantages

- We deliver real rail projects, often in harsh and remote conditions, so you can rely on us to provide a reliable track structure that will stand the test of time.
- We will handle your project from start to finish, so you don't have to. From specifying the right materials and equipment to delivering the asset through contracting and construction management. You can rely on our technical expertise and experience in rail track engineering to deliver the results you need.

Engenium employs recognised industry leaders in the area of track engineering. Our experience in delivering real rail projects, track remediation and track maintenance strategies provides us with a unique insight into track engineering.

Our Capabilities

- Value engineering and trade off studies
- Materials and equipment selection and specification
- Risk analysis
- Capital and operating cost estimates
- Feasibility, technical and maintenance studies
- Detailed design and track design
- Project and construction management
- Commissioning services
- Procurement.

Delivering Value. Delivering Results.