



RAIL INFRASTRUCTURE

CAPABILITIES /

Track – construction,
renewals and maintenance

 **VolkerRail**



VolkerRail has established an industry leading reputation for the delivery of new build rail projects and the renewal of life-expired track.

Our detailed understanding of track design, construction, renewal and replacement techniques derives from over 70 years of experience. Our teams of experienced professionals are able to work across a variety of networks, including high speed main lines, commuter routes, freight lines, depots, sidings and private industrial locations.

Working for a variety of clients, each with different site-specific requirements, complexities, timescales and standards, we have delivered a wide range of projects, from inception to physical completion on site and through to hand back. This includes stand-alone track configuration, complex multidisciplinary new build schemes and complete turnkey projects.

TRACK MAINTENANCE

As well as renewal and construction, we have a fully comprehensive asset management service, which provides infrastructure managers with an integrated maintenance solution. Services include:

- Maintenance and refurbishment of plain line and S&C
- Track life extension works
- Permanent way condition surveys and reports
- Routine inspection, fault finding and patrolling
- Signalling maintenance
- OHLE and power distribution maintenance

Our in-house capability also includes a fleet of access, renewal and maintenance machines, tailored to meet the requirements of urban rail infrastructure.

RENEWALS

Whatever the network, our in-house teams have the ability to complete every aspect of permanent way renewals, from component exchange to the highest technical levels of mechanised on-track machine activity and track construction, including surveying, designing, planning, supplying and installing:

- Plain line (all gauges and construction types)
- Switches and crossings (all construction types)
- Track construction in/on slabs and road surfaces
- Crane rails
- Level crossing renewals
- Track lowering
- Switching and crossing remodelling using the new modular techniques and tilting wagons

We also offer re-sleeping/re-timbering, re-railing, component overhaul, tolerance and adjustment/correction, ballasting and the management of operating mechanisms and switches.

WELDING CAPABILITIES

Our aluminothermic welding specialists provide aluminothermic welding for all types of rail sections and steel grades. The benefits of aluminothermic include:

- Ability to weld dissimilar rail profiles
- Portable on-site process
- Best-value option for small works
- Simple, proven technology
- Flexible, experienced, highly competent teams
- Strong environmental awareness on site
- Rapid response to client needs