



**Specialist contractor
for the rail industry**

Our Capabilities

Design

New service

- Drainage and hydraulics
- Facilities and asset maintenance
- Topographic and utilities surveys
- Project management
- CAD services

Temporary Services

- Hoardings
- Steel work - Cat ladders, cable posts, stair cases, hand rails
- Scaffolding
- Installation of fencing, access gates and steps (Temporary and Permanent)
- Temporary site lighting

Waterways Services

Culvert Inspection, Repairs & Installations

- Surveys (CCTV, Sonar, Confined space entry)
- De-silting / Cleaning / Jetting
- Blockage clearance
- Repairs / Re-lining
- New Installations

Temporary Dams

- Supply and installation
- Standard dams to 2.5m water depth
- Straight, curved, 3-sided, boxed, flume
- Over pumping

Specialist Concrete & Brickwork Repairs

- Bridges, tunnels, culverts, outfalls
- Canal walls & tow paths
- Water control structures

Structural Waterproofing & Leak Sealing

- Bridges, culverts, canals
- Control structures

Flow Monitoring

- Real time flow monitoring

Flow Control Repairs/Refurbishments

- Penstock / Flap valve refurbishment

Pipe Replacement

- Directional drilling
- Auger boring / Laser guided auger boring
- Pipe reaming
- Pipe Jacking
- Slip lining
- Large structural liners, GRP, Steel, UV
- GRP/GRC segment liners
- Ferro-cement spray

Above Ground Surveys

- Railway station surveys
- Impermeable Area Studies
- Drainage Area Studies
- Feasibility Studies
- Pumping Station Surveys
- Topographic Surveys
- GPS Asset Surveys
- Asset Tracing and Digital
- Digital Mapping (CAD) of underground assets
- Utility Mapping
- Urban Pollution Management studies
- Planned general Inspections (PGI) - Rail

Sewer and Drainage Maintenance

Cleaning / Jetting

- Sewer cleaning/jetting
- Sewer de-silting / de-scaling
- Removal of roots from sewers
- Removal of fats, oils & greases (FOG)
- Cleaning of Section 24 sewers
- Cleaning of developer service sewers; build overs & Section 104's
- Wet well cleaning
- Tank & vessel cleaning
- Digester cleaning
- Blockage clearance & associated activities (domestic & industrial)
- Clean up activities (flooding & pollution)
- Sewer Treatment Works (STW) & Sewer Pumping Station (SPS) jetting works
- Waste tankering & disposal
- Drain cleaning/jetting

Repair & Maintenance

- Pipe rehabilitation using Cured-in-Place Pipe (CIPP) lining (hot cure & UV cure)
- Patch repair lining
- Specialist robotic cutting (roots, concrete, laterals)
- Sealing of sewers (resin injection)
- Slot Cutting (Soon)
- Sewer Strengthening (Steel cages, Spray Concrete, New Pipe)
- Leak Proofing sewers (Rubber Band Seal Method)
- Sewer Coring
- Water ingress prevention
- Over pumping
- Pipe re-rounding
- Pipe joint sealing
- Manhole sealing (resin injection)
- Manhole lining

Monitoring

- Flow monitoring surveys
- Load monitoring surveys
- Discharge monitoring

Surveying / Inspection

- CCTV inspection of pipelines, boreholes and other structures
- Sewer CCTV inspections
- Sonar surveys
- TISCIT Surveys
- Manhole inspection surveys
- 3D Optical Scanning
- Confined space man entry surveys
- Connectivity surveys
- Sewer mapping
- Infiltration tests
- Drain tracing & mapping

Civil Engineering

- General civils
- Track drainage replacement (Open cut method)
- Track drainage maintenance
- Spot repairs (Open cut method)
- Under track crossings
- Trial holes
- Catch pit repairs/rebuilds/raising
- Catch pit cover replacement
- Ballast replacement
- Pathways installation and widening - Concrete, GRP
- Nosing stone replacements/realignments
- Tunnel cleaning
- Embankment stabilisation (Platipus System)
- Under track crossings
- Scour Protection
- Vegetation Management
- Lineside Fencing
- Access steps and walkways
- Installation of Cable Ducts

Pipeline Services

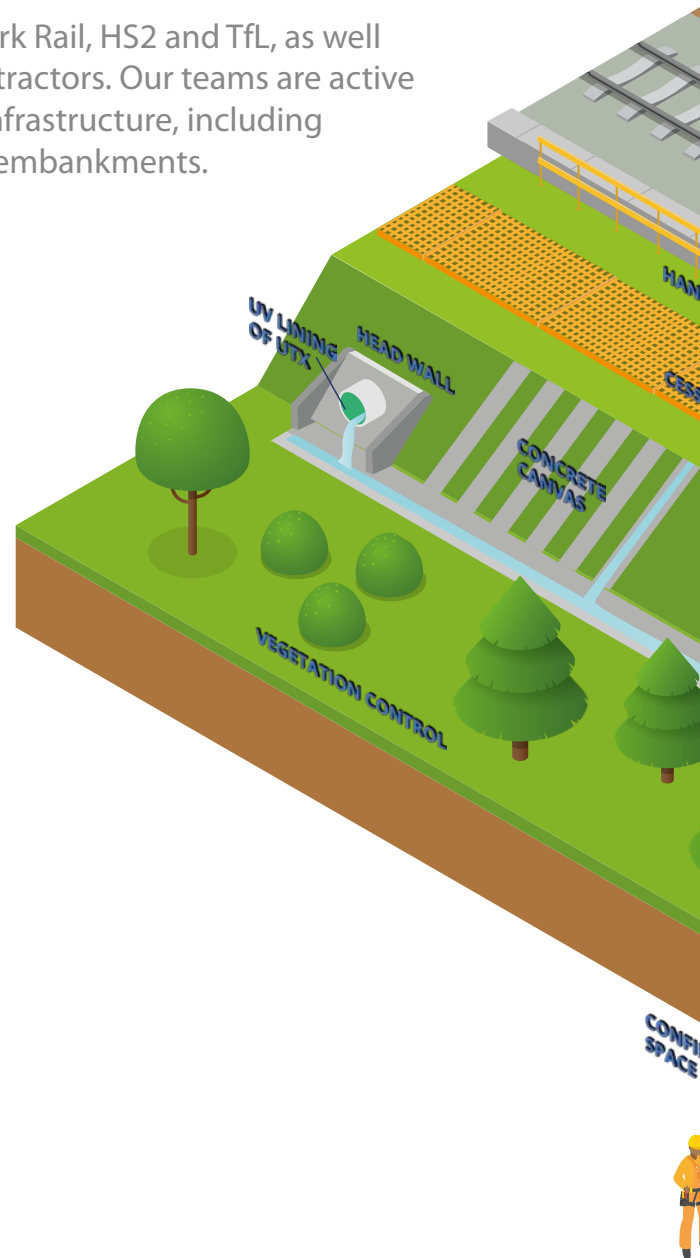
- Water mains installation and replacement
- Leakage repairs (find & fix)
- Metering services
- Under pressure connections & line stopping
- Highway re-instatement
- Pipeline condition assessment

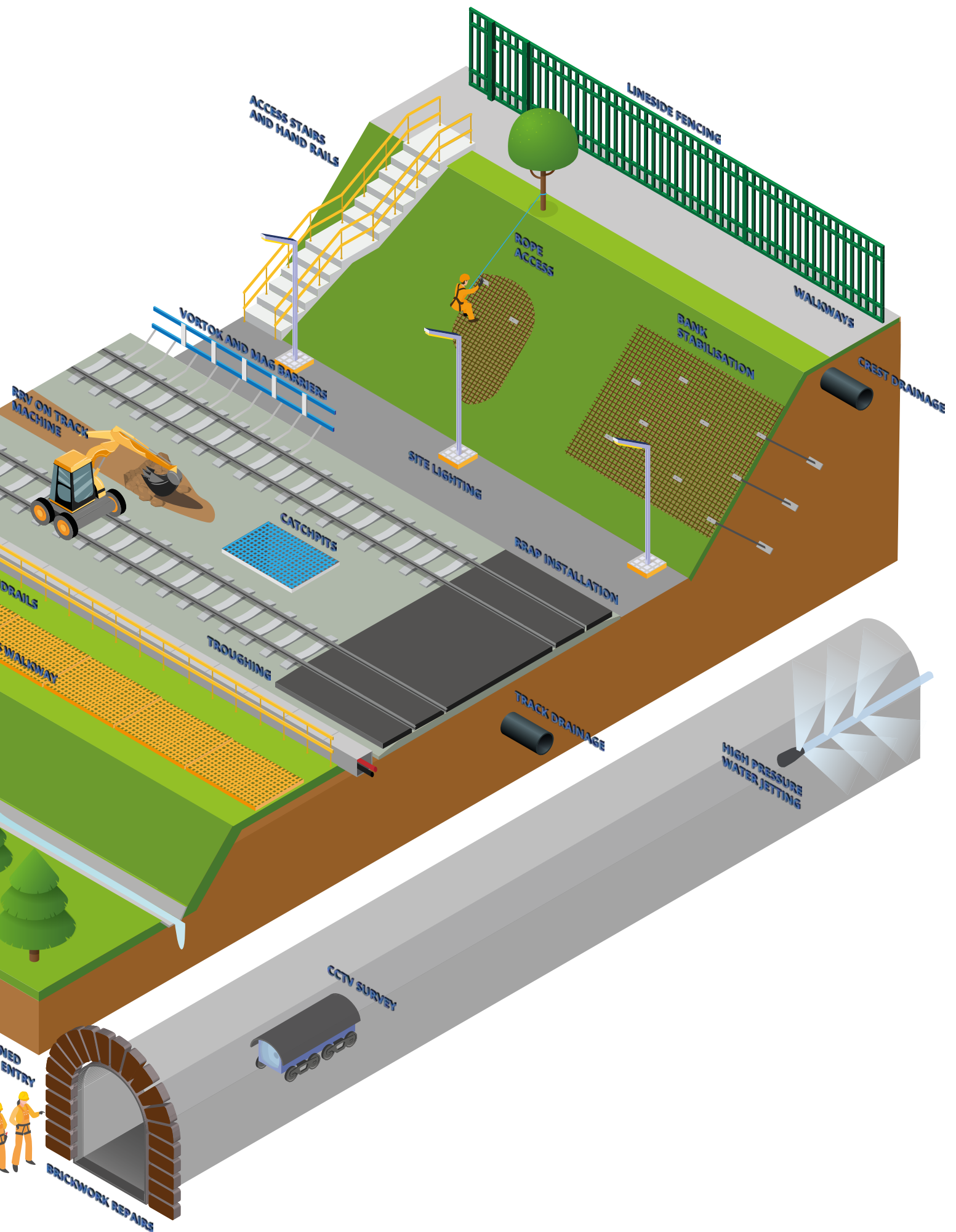
About OnSite Rail

As a specialist contractor, OnSite Rail's in-depth understanding of the sector and the challenges it faces enables us to minimise disruption and delays, whilst delivering high quality services that are built on a solid foundation of health and safety best practice.

We are RISQS accredited and have extensive project management capabilities centered on a range of services that include high pressure jetting, CCTV surveying, UV and hot cure pipe lining, drainage installation, civil engineering services, vegetation management and rehabilitation of drainage and structures using both open cut and trenchless technologies.

Operating nationally, OnSite Rail works with Network Rail, HS2 and TfL, as well as for a number of the UK's leading tier one rail contractors. Our teams are active across the complete range of on and off-track rail infrastructure, including stations and depots, tunnels, culverts, bridges and embankments.







Drainage/culverts ●

- UV lining ○
- Access steps ○
- Ditch profiling ○
- Brickwork ○
- Vegetation management ○
- Pathways and handrail ○
- Fencing and safety barrier solutions ○
- Temporary services ○
- CCTV and high pressure jetting ○
- Water management ○
- Earthworks, minor civils and embankment stabilisation ○
- Trenchless ○

Drainage/culverts

- CCTV survey and high pressure jetting
- Design
- Refurb
- Renewal



Drainage/culverts	○
UV lining	●
Access steps	○
Ditch profiling	○
Brickwork	○
Vegetation management	○
Pathways and handrail	○
Fencing and safety barrier solutions	○
Temporary services	○
CCTV and high pressure jetting	○
Water management	○
Earthworks, minor civils and embankment stabilisation	○
Trenchless	○

UV lining

- Drainage, culverts and sewers
- Pressure lining
- 100-2,000mm diameter
- Annulus and void grouting



Drainage/culverts	○
UV lining	○
Access steps	●
Ditch profiling	○
Brickwork	○
Vegetation management	○
Pathways and handrail	○
Fencing and safety barrier solutions	○
Temporary services	○
CCTV and high pressure jetting	○
Water management	○
Earthworks, minor civils and embankment stabilisation	○
Trenchless	○

Access steps

- Design and installations
- GRP
- Concrete
- Steel
- Repair and maintain



Drainage/culverts	○
UV lining	○
Access steps	○
Ditch profiling	●
Brickwork	○
Vegetation management	○
Pathways and handrail	○
Fencing and safety barrier solutions	○
Temporary services	○
CCTV and high pressure jetting	○
Water management	○
Earthworks, minor civils and embankment stabilisation	○
Trenchless	○

Ditch profiling

- Regrade and reprofile
- Concrete canvas
- Matting
- Slab ditch



Drainage/culverts	○
UV lining	○
Access steps	○
Ditch profiling	○
Brickwork	●
Vegetation management	○
Pathways and handrail	○
Fencing and safety barrier solutions	○
Temporary services	○
CCTV and high pressure jetting	○
Water management	○
Earthworks, minor civils and embankment stabilisation	○
Trenchless	○

Brickwork

- Headwalls
- Repointing and brick replacement
- New build



Drainage/culverts	○
UV lining	○
Access steps	○
Ditch profiling	○
Brickwork	○
Vegetation management	●
Pathways and handrail	○
Fencing and safety barrier solutions	○
Temporary services	○
CCTV and high pressure jetting	○
Water management	○
Earthworks, minor civils and embankment stabilisation	○
Trenchless	○

Vegetation management

- Devegetation
- Rope access
- Tree felling and removal



Drainage/culverts	○
UV lining	○
Access steps	○
Ditch profiling	○
Brickwork	○
Vegetation management	○
Pathways and handrail	●
Fencing and safety barrier solutions	○
Temporary services	○
CCTV and high pressure jetting	○
Water management	○
Earthworks, minor civils and embankment stabilisation	○
Trenchless	○

Pathways and handrail

- GRP, concrete and MOT type 1
- Emergency access
- Trackside walking routes
- Depots and stations



Drainage/culverts	○
UV lining	○
Access steps	○
Ditch profiling	○
Brickwork	○
Vegetation management	○
Pathways and handrail	○
Fencing and safety barrier solutions	●
Temporary services	○
CCTV and high pressure jetting	○
Water management	○
Earthworks, minor civils and embankment stabilisation	○
Trenchless	○

Fencing and safety barrier solutions

- Pallisade
- Mesh
- Depots and stations



VORTOK
INTERNATIONAL

Drainage/culverts	○
UV lining	○
Access steps	○
Ditch profiling	○
Brickwork	○
Vegetation management	○
Pathways and handrail	○
Fencing and safety barrier solutions	○
Temporary services	●
CCTV and high pressure jetting	○
Water management	○
Earthworks, minor civils and embankment stabilisation	○
Trenchless	○

Temporary services

- Site lighting
- RRAP installation
- Vortok/mag barrier



Drainage/culverts	○
UV lining	○
Access steps	○
Ditch profiling	○
Brickwork	○
Vegetation management	○
Pathways and handrail	○
Fencing and safety barrier solutions	○
Temporary services	○
CCTV and high pressure jetting	●
Water management	○
Earthworks, minor civils and embankment stabilisation	○
Trenchless	○

CCTV and high pressure jetting

- CCTV
- Topographical
- Sonar/3D optical
- TISCIT
- Track drainage and culverts



Drainage/culverts	○
UV lining	○
Access steps	○
Ditch profiling	○
Brickwork	○
Vegetation management	○
Pathways and handrail	○
Fencing and safety barrier solutions	○
Temporary services	○
CCTV and high pressure jetting	○
Water management	●
Earthworks, minor civils and embankment stabilisation	○
Trenchless	○

Water management

- Temporary dam structures (PortaDam)
- Overpumping
- Flow monitoring



Drainage/culverts	○
UV lining	○
Access steps	○
Ditch profiling	○
Brickwork	○
Vegetation management	○
Pathways and handrail	○
Fencing and safety barrier solutions	○
Temporary services	○
CCTV and high pressure jetting	○
Water management	○
Earthworks, minor civils and embankment stabilisation	●
Trenchless	○

Earthworks, minor civils and embankment stabilisation

- Embankment stabilisation (Platipus)
- Troughing routes
- Drainage (crest/toe and counterfort)
- Regrading and reprofiling



Drainage/culverts	○
UV lining	○
Access steps	○
Ditch profiling	○
Brickwork	○
Vegetation management	○
Pathways and handrail	○
Fencing and safety barrier solutions	○
Temporary services	○
CCTV and high pressure jetting	○
Water management	○
Earthworks, minor civils and embankment stabilisation	○
Trenchless	●

Trenchless

- Guided auger
- Pipe ramming
- Pipe reaming
- Horizontal direction drilling (HDD)
- Pipe jacking

Operating a national service with depots across the country

