

# Pro Rail Services

## PROJECT MANAGEMENT CONSULTANCY

**Pro Rail Services** expertise helps turn railway infrastructure-related objectives and challenges into solutions that add value to land, property, and infrastructure assets.

We work with clients such as Network Rail, Amey, Balfour Beatty Rail, Siemens, VolkerFitzpatrick and Manchester Airport Group to create a vision, scope and brief that are viable and deliverable through our collaborative management service tailored to our clients contract needs.



# Pro Rail Services

## PROJECT MANAGEMENT CONSULTANCY

### Our Services

- 1 • Project Development
- 2 • Project Controls
- 3 • Programme, Project and Construction Management
- 4 • Asset Protection
- 5 • Asset Management
- 6 • Rail Systems Engineering

### 1 • Project Development

Our significant 25 year project development experience allows us to focus on issues that drive viability and our understanding of how to address constraints and challenges in a time-pressured railway infrastructure environment means we are well placed to deliver.

Our team of expert project development managers are focused on clients' delivery with the drive and ambition to achieve the best possible returns and outcomes from every project.

By establishing clear goals, outcomes, and deliverables at the start, we work with our clients to create a detailed development management strategy that encompasses all anticipated activities to allow them to achieve their contractual obligations.

We then model delivery through team procurement, concept, railway access agreements, detailed design and railway assurance, construction procurement and works through a roadmap that guides clients, teams, and stakeholders through this complex process on major projects.

We understand the importance of knowledge and how a project evolves through iterative design that is informed by constraints, underpinned by evidence, and challenged through real value creation.

By working through robust project stages that address all aspects of the project we enable concepts, schemes and solutions that are effective yet innovative, informed and deliverable.



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## PROJECT MANAGEMENT CONSULTANCY

### A support network for our clients

As part of our solutions-based approach **Pro Rail Services** provides wide-ranging input and advice on discreet project expertise to suit clients' particular needs including:

- Technical Support for scoping and railway access arrangements
- Project Business Cases and Project cost forecasting
- Viability assessment and Technical Due Diligence
- Establishing brief and vision
- Structuring, Scoping and procuring professional teams
- Master Programme and Budget preparation
- Managing Stakeholder Engagement
- Site constraints / opportunity evaluation
- Third Party Access negotiations
- Managing related infrastructure arrangements
- Delivering effective design, procurement and construction projects
- Project performance monitoring
- Risk evaluation and mitigation advice

Our technical expertise in this service covers: geotechnical / railway drainage / permanent way / stations / electrification with expertise across a wide range of sectors.

If required, we can select, brief, and coordinate the assembly and procurement of full multi-disciplinary project teams.

### 2 • Project Controls

Our integrated project controls offer provides real-time information across complex projects and programmes, helping to deliver the intended benefits, on time and within budget.

Using our innovative, in-house digital solutions we combine traditional project controls with advanced data analytics and reporting, simplifying performance management and reporting.

We design, develop and govern project controls methods and systems that effectively and efficiently deliver client objectives.

Our service is scalable to align with client requirements including the ability to integrate with existing client systems as well as providing propriety systems where appropriate.

Providing a strategic overview of a project or programme, we help clients to improve efficiency and maximise return on investment by boosting predictability of cost and schedule turn-out.

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We simplify management, control and reporting by integrating scope, budget, schedule, risks, resources, and benefits.

As a standard project controls service, we cover:

- Budget management
- Change management
- Schedule management
- Risk management
- Sustainability
- Data analytics
- Benefits management

Our innovative processes heighten consistency and provide detailed and accurate information throughout every phase of the project or programme.

We also support clients in developing key processes such as:

- Work Breakdown Structures (WBS)
- Schedules at the appropriate level of detail
- Estimates, fully aligned with project schedules
- Risk registers, to provide quantitative and qualitative risk assessment and modelling
- Trend and change control registers
- Progress reports and dashboards, Schedule Performance Indicators (SPIs) and Cost Performance Indicators (CPIs).



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We understand how to work, in line with our clients' frameworks and structures and our bespoke approach allows us to easily adapt our reporting processes to suit. We are also able to provide a full PMO service that provides leadership and management support, in addition to our project controls offer.

Our expert team exploits the latest technology and proprietary tools to provide real time performance insights.

We promote digitisation across the spectrum of project controls, drawing on the expertise of our in-house digital team. Using the latest software and methodology, we deliver information that fuels data-supported decision making.

The enhanced ability to visualise and navigate projects and programmes helps clients to mitigate previously unforeseen risks, increase project efficiency, and improve programme performance.

### 3 • Programme, Project and Construction Management

We provide a full spectrum of project management services, whether it is advising a client on a new and evolving idea, preparing a business case or developing an organisational framework capable of delivering huge business transformation.

Projects of all complexities require robust scoping, planning, control, implementation and close out to successfully deliver their defined outcomes and benefits.

With over 30 years' experience in global railway major project delivery, operating across both operational and railway infrastructure sectors, project management is at the heart of what we do.

Whether you are investing in a stations / depots project or an infrastructure project, our experienced programme / project management team will work in partnership with you to both define and deliver a solution to meet your specific needs and requirements.

We develop innovative, creative solutions and bring bespoke teams together with the flexibility to provide the right resources at the right time for efficient delivery.



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## PROJECT MANAGEMENT CONSULTANCY

### Project Management Services

- Advisory & Strategic Change
- Programme management
- Project management
- Programme Management Office (PMO)
- Commercial and cost management
- Sponsorship
- Change management
- Procurement advice
- Stakeholder engagement
- Risk management

### Our approach

As your trusted advisors, we proactively engage with you and your stakeholders to minimise risk, maximise value and control cost, timescales, and quality at all stages to help you make the best decisions, to deliver to programme and achieve project success.

### Programme Management

Over the last few years our programme management expertise has helped clients to improve performance, drive major project delivery and realise efficiencies.

We are adept at helping our clients navigate through ambiguity - managing multiple workstreams, interdependencies, and driving and configuring complex programmes from integrated projects.

We have the experience to deliver a course of action that manages the priority themes of the programme alongside risk, time, cost and quality; the leadership to inspire and motivate teams; and the passion and enthusiasm to drive value at every turn. By providing strong, expert leadership from the start, we give clients the level of confidence and assurance that they require. We develop programme delivery methodologies that are robust, transparent and based on experience drawn from large scale projects around the world.



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## PROJECT MANAGEMENT CONSULTANCY

### Integration with Client Teams

For many of our longer-term programmes our teams are fully integrated in the clients' organisation. Here we bring our robust processes, procedures and methodologies and work with our clients to set the governance framework and project controls to manage the change. In the UK railway industry we're working as an extension of Network Rail and 40% of their major Tier 1 contractors, providing a programme management office (PMO) for the mobilisation of Control Period 7.

Our people integrate with our clients on all projects providing a range of project and programme, cost and commercial and technical services to ensure they are delivered in a sustainable and effective manner.

### Construction Management

Our construction team has delivered over 175 construction management projects worldwide. **Pro Rail Services** is as much based on the principle of construction management and finding a better way of delivering for clients, today as it was when the company was founded in 2012.

### Quality

Quality is a priority across the board. It is considered at every step. Direct access to specialists allows for more fresh thinking, innovation and value engineering. The ultimate flexibility and ability to spend more time in the design and procurement phases also means that there is more control over the end product as per our UKAS accredited ISO9001.

### A partnership of equals

Construction management on railway infrastructure projects allows us to enter into true partnerships with our clients and the rest of the professional team, acting in their interest and managing every element of the project through design, procurement and selection and beyond to delivery. This allows for the best of both worlds, enabling us to manage design and procurement through to driving towards successful delivery.

### Working as an integrated team

The strength of construction management lies in one word: opportunity. It gives us the opportunity to overlap or integrate packages and, in doing so, creating greater programme efficiency. In addition to this, the opportunity to accelerate work packages helps to safeguard that all important programme end date, while better interface management and scoping means fewer 'surprises' that can cause delays.

An integrated team is a benefit to a project's bottom line, not just because of the fully integrated design and construction process, but also because it reduces organisation costs. The project team can maintain control of risk rather than pay a premium, and the collaborative approach means that there is a reduced potential for claims.

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### 4 • Asset Protection

**Pro Rail Services** as a UK Railway Principal Contractors Licence Holder retains significant experience of managing third party access requests to the UK railway infrastructure and provides a full turnkey service so that the third party, which we define as our client, can execute the required project.

Clients include but are not limited to: Thames Water Utilities Ltd, Manchester Airports Group, various residential estate and retail developers plus energy / major utility providers.

- Meet with the client to understand their exact requirements
- Develop an asset protection development proposal including full project scope definition
- Provide quotation for services including all railway interface planning, appointment of the railway interface manager, liaison with Network Rail ASPRO, production of HSEQ and SWP documentation
- Provide all project programme, works package plan, risk assessments and detailed methodology to Network Rail ASPRO and request the buried services information on behalf of the client
- Act as intermediary between the client and Network Rail ASPRO to get the Basic Asset Protection Agreement (BAPA) set up
- Agree all railway access logistics and possession arrangements with Network Rail ASPRO
- Assign and implement all required railway safety critical staff to site
- Provide all railway construction management and HSEQ management on site to oversee the implementation of the required activities
- Provide all handover documentation to both the client and Network Rail ASPRO and inform them to close out the BAPA
- Produce Lessons Learned report



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### 5 • Asset Management

Effective railway infrastructure asset management is pivotal to the success of every railway asset capable owner. Through our asset management team and subject matter experts in whole life, sustainability and Stakeholder Management we support our clients to drive superior outcomes whether this is to achieve the development of a railway asset register, net zero carbon, to improve social value, or to optimize utilisation.

We do this by creating a digital platform that creates a transparent asset register, a defined inspection and assessment regime, providing competent asset managers to assess and prioritise maintenance or capital projects workbank and to ensure that all asset management strategies comply with company standards.



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### 6 • Rail Systems Engineering

Efficient introduction of modern railway assets that cater to the diverse needs of both commuters and railway operators necessitates skilled management across engineering disciplines, operations, maintenance, and their interfaces.

At **Pro Rail Services** our team comprises of specialist engineers and systems operators, complemented by data analytics expertise and 10 years' corporate experience in delivering systems engineering projects. Our collective expertise enables us to get under the bonnet of clients' railway systems.

### Our approach

While we meticulously attend to the finer details, we never lose sight of the overarching perspective - the **'System of Systems.'** This holistic approach empowers us to guide our clients through the complexities of system integration, delivering tangible value to both them and the railway's end-users.

We firmly believe that effective systems integration, requirements definition, and system assurance cannot be achieved from behind desk. Our team has hands on experience delivering numerous major international projects, commissioning new Control Systems, and introducing new operational railway stations seamlessly into operational service.

This enables us to assist our clients in innovating effective solutions, defining sensible requirements, value engineering, expediting delivery, and, crucially, avoiding unnecessary costs.

Our suite of Systems Engineering Services is designed to benefit our clients across the entire project lifecycle.



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### Our Services

- Optioneering
- Concept of Operation and Maintenance Development
- Day in The Life of (DITLO) Workshops
- Requirements Definition and Development
- Interface Management
- System Modelling
- Failure Mode, Effects, and Criticality Analysis (FMECA)
- RAMS Analysis
- Requirements Management (Traceability, V&V)
- Change Control
- Reliability Growth



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