



Capability Statement



Signalling



Power



Telecoms



Established in 2011, Amaro has gone from strength to strength, delivering projects throughout the rail infrastructure, evolving to become a hugely respected force within the rail industry.

None of this would have been possible, however, without the hard work and expertise of our team. Working alongside our valued partners and supply chain, it's their dedication and experience that has allowed Amaro to become the business you see today. I feel privileged to count these people amongst my friends and colleagues.

The future could not be brighter for Amaro, with fantastic opportunities on the horizon and even greater relationships being formed. I am genuinely excited for what the next few years will hold and look forward to working alongside many of you soon.

Michael Ewart MSc CEng FIET FIRSE
Managing Director, Amaro



Who we help



Why choose **Amaro**?

- ✓ We leverage decades of experience and expertise, providing a smooth and successful outcome to your projects.
- ✓ Trusted by some of the largest names in rail, over 80% of our work is based upon repeat business and referrals.
- ✓ Despite providing a superior quality service, we offer significantly better value for money than our larger competitors.
- ✓ From the time you make contact to when your project is delivered, we communicate with you promptly, politely and proactively.
- ✓ Industry-leading response times and a single point of contact ensure you get the information you need, when you need it.
- ✓ We're about people, not profit. It's who we are and how we add value to our clients and the community that defines us.
- ✓ We put the health, safety and well-being of our team and all other stakeholders ahead of everything else, regardless of cost.
- ✓ We care for the world around us, and are committed to tackling environmental, social, and economic sustainability.
- ✓ Audited by RISQS and NICEIC, and certified to ISO9001, ISO14001, ISO45001, and ISO27001, excellence comes as standard.
- ✓ A Constructionline Gold member, we're committed to absolute compliance and a smooth prequalification process.

Need more info or advice?



Contact Sean Tiday

BUSINESS RELATIONSHIP
MANAGER

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A

Mainline

Metro

Depots

Ports

A Network Rail Principal Contractor and partner of choice for some of the biggest names in rail, we deliver integrated signalling, power, and telecoms solutions **throughout the UK and Ireland**, providing safe, sustainable, and cost-effective engineering services that consistently exceed expectations.

One of only a handful of companies that specialise in signalling, power and telecoms, we support our clients throughout the full lifecycle of their projects, offering a level of engineering and value rarely seen amongst our competitors.

Through constant innovation, technical excellence, and a commitment to safety, we continue to support the modernisation and sustainability of the rail network, delivering engineering solutions that keep Britain's railways moving safely and efficiently, 24 hours a day.

1

Early contractor involvement (ECI)

We provide essential constructability insights and critical test-and-commissioning expertise, enabling the projects at an early stage to validate assumptions, resolve design risks, and deliver a signalling design that's both buildable and operationally robust.

2

Survey

Our survey teams capture the accurate, detailed information that underpins every successful signalling, power and telecoms project. From asset condition to route mapping, our surveys reduce uncertainty, support safer planning and give clients confidence in the decisions that follow.

3

Design

Our designers develop safe, compliant and efficient solutions tailored to each railway environment. By combining technical expertise with practical installation knowledge, we produce clear, coordinated designs that reduce rework, simplify delivery and support seamless integration with existing infrastructure.

4

Installation

Our installation teams deliver high quality workmanship across signalling, electrical and telecoms systems. We plan every activity with safety, access and reliability in mind, ensuring trouble free delivery, well managed interfaces and assets installed to the highest industry standards.

5

Testing and commissioning

We carry out thorough testing and commissioning to verify system integrity, performance and safety. Our structured approach provides clients with complete assurance that new or upgraded assets operate as intended and are ready for smooth entry into service.

6

Maintenance

We provide reliable maintenance and fault response services that keep signalling, power and telecoms assets performing at their best. By combining proactive monitoring with rapid intervention, we help clients improve resilience, reduce downtime and extend the life of critical infrastructure.



A **successful** delivery

Credit to Amaro. The stage works and changeovers had a bit of complexity wrapped around them which many would not consider in a two track railway.

Well done, and much credit to those behind the scenes working on a very frail asset, and cabling network.

Robert Cairns,
Managing Director | Network Rail Western & Wales

Professional and Support Services

Supporting every stage of your project's delivery, we provide the assurance, planning and management needed to keep works safe, compliant and on programme, helping clients deliver complex projects with confidence.

HSQE

- ✓ Safety and quality management to ISO9001 and ISO45001
- ✓ Environmental management to ISO14001
- ✓ In-house audit / verification capability
- ✓ Accident / incident investigation
- ✓ ALO (any line open) planning/coordination
- ✓ Critical safety and CDM documentation

ENGINEERING ASSURANCE

- ✓ Contractor's Engineering Managers (CEM)
- ✓ Temporary works
- ✓ Contractor's Responsible Engineers (CRE)

FAULT FINDING FOR RED TRIAGE RESPONSES

- ✓ Time domain reflectometer (TDR) testing
- ✓ Portable Bender and Viper unit testing

SURVEYS

- ✓ Feasibility surveys, studies, reports and optioneering
- ✓ Correlation
- ✓ Degradation and dilapidation surveys
- ✓ Tag and trace
- ✓ Load monitoring
- ✓ Lux level surveys
- ✓ Cable management systems surveys

POSSESSION SUPPORT STAFF

- ✓ Engineering supervisors
- ✓ Protection controllers
- ✓ Level crossing attendants (LXA)
- ✓ Controllers of site safety (COSS)
- ✓ NSCD trained operatives

ANCILLARY CIVILS

- ✓ Location case base installation
- ✓ Concrete base installation
- ✓ GRP post installation
- ✓ Troughing installation

PLANNING CAPABILITIES

- ✓ MS Projects / P6 planning
- ✓ Possession and isolation planning
- ✓ SSOW planning
- ✓ ALO planning



Signalling

From survey and design to installation and maintenance, our IRSE-licensed specialists deliver robust, compliant, and high-quality signalling solutions for some of the leading names in rail, adding real measurable value to our clients' most challenging projects.

CAPABILITIES

CONTROL SYSTEMS AND EQUIPMENT

- ✓ Signals, structures and signage
- ✓ Equipment housings (REBs and location cases)
- ✓ AWS (Advanced Warning System)
- ✓ TPWS (Train Protection Warning System)
- ✓ Track detection
- ✓ Lockout devices
- ✓ Axle counters
- ✓ Points machines
- ✓ Track circuits
- ✓ Cable routes
- ✓ Level crossings
- ✓ Control tables
- ✓ NX panel and illuminated diagrams
- ✓ Train describer input
- ✓ Train stop / balise / Automatic Train Protection (ATP)
- ✓ Sub-route / map search plans
- ✓ Interface specifications
- ✓ Bonding
- ✓ Metro and depot systems

CONVENTIONAL SYSTEMS

- ✓ Mechanical interlocking
- ✓ SW67 / E10K
- ✓ Geographical (GEC) / RRI
- ✓ Bespoke / interface circuitry

PRINCIPLES

- ✓ Schemes (system architecture / scheme plans / design specifications / DRRD / interface specification / IDDP production)
- ✓ Location plans
- ✓ Solid state interlocking (SSI)

Need signalling support?**Contact Sean Tiday****+44 (0)1622 943 998****info@amarogroup.co.uk****www.amarogroup.co.uk****LICENSED OPERATIVES****DESIGN**

- ✓ Signalling Principles Designer
- ✓ Signalling Design Verifier
- ✓ Signalling Designer
- ✓ Signalling Design Assistant

INSTALLATION

- ✓ Signalling Installation Supervisor
- ✓ Point Fitter
- ✓ Point Technician
- ✓ Assistant Signalling Installer
- ✓ Signalling Installation Operative
- ✓ Signalling Installation Technician

TESTING

- ✓ Signalling Tester In Charge
- ✓ Signalling Verification Tester - Operational Railway
- ✓ Signalling Principles Tester
- ✓ Signalling Functional Tester
- ✓ Signalling Electronic Tester
- ✓ Signalling Maintaining & Fault Finding
- ✓ Signalling Test Assistant

ENGINEERING

- ✓ Engineering Manager - Studies
- ✓ Senior Engineering Manager - Strategic
- ✓ Engineering Manager - Installation
- ✓ Senior Engineering Manager - Installation
- ✓ Engineering Manager - Projects Engineering
- ✓ Senior Engineering Manager - Projects Engineering
- ✓ Engineering Manager - Maintenance
- ✓ Engineering Manager - Testing and Commissioning
- ✓ Engineering Manager - Design

Need **power** support?



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Power

A NICEIC-approved railway power specialist, we deliver M&E and E&P renewals, upgrades and installations throughout the UK, our work spanning PSPs, FSPs, Class II power, earthing, asset enhancements and station electrical systems, including lighting, distribution and EV charging.



CAPABILITIES

- ✓ Station installations and rewires
- ✓ Cable management systems (CMS)
- ✓ Earthing and bonding
- ✓ Points heating
- ✓ DNO installations and modifications
- ✓ EV charge point installations (commercial)
- ✓ Switch room installations and refurbishments
- ✓ Uninterruptable power supplies
- ✓ Access for all (AFA) and step free access (SFA) schemes

SIGNALLING POWER

- ✓ 230/440/650v signalling power supplies and circuits
- ✓ 230/400v signalling power supply distribution
- ✓ Class II / Class I installations
- ✓ Power supply installations including cable pulling
- ✓ Installation monitoring device installations
- ✓ Domestic supplies to REB and equipment housings

LIGHTING INSTALLATIONS

- ✓ Station lighting
- ✓ Car park lighting
- ✓ Buffer stop lighting
- ✓ Tunnel lighting
- ✓ Drivers' walkway lighting
- ✓ LED handrail lighting
- ✓ Temporary lighting
- ✓ Level crossing lighting
- ✓ Depots and sidings lighting
- ✓ Emergency lighting
- ✓ Canopy lighting
- ✓ Lighting control cubicles (LCC)

Need **telecoms** support?



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Telecoms



Providing survey, design, installation, testing and maintenance for both operational and lineside communications, our innovation-focused, safety-first approach supports the implementation of secure, high-performing communications infrastructure throughout the rail industry.

CAPABILITIES

- ✓ Installation and maintenance of signal box concentrators
- ✓ Installation and maintenance of associated power supplies
- ✓ FTN / FTNx
- ✓ GSM-R / spot radio
- ✓ Installation of lineside telecoms cabling
- ✓ Installation of cable management systems
- ✓ Lineside and level crossing telephones
- ✓ Electrical control room telephones
- ✓ Transmission equipment installation
- ✓ Station PA / PAVA systems
- ✓ Station customer information systems
- ✓ Security, level crossing and driver only operated CCTV systems
- ✓ Fibre optic cable splicing, testing and commissioning
- ✓ Access for all (AFA) and step free access (SFA) schemes



Motivation, respect and **agility**

Amaro worked for myself and my team for eighteen months delivering a difficult project to improve resilience of the signalling infrastructure across the LNE and East Midlands routes. The project was difficult to deliver within the timescales and budget, but Amaro with their motivation, respect and agility delivered all the works successfully whilst improving relationships across the Network Rail team.

A fantastic job delivered by everyone in the Amaro team and look forward to working with them again on the next project.

David Butroid
Construction Manager | Network Rail







Dedication and **professionalism**

Having partnered with Amaro to deliver the route wide earthing and bonding correlation for Network Rail Anglia route, I have been impressed with their dedication and professionalism to ensure that the work is carried out to the highest standard.

They promise and deliver on time and with the minimum of fuss, their knowledge of rail infrastructure and working procedures were a great complement to their overall engineering know-how.

Graham Divers

Associate Technical Director (E&P) | Arcadis

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