Amey

Connecting lives for
a better tomorrow

"Almost everyone in the UK benefits from one of Amey's rail services, every single day."

A uniquely integrated, end-to-end rail offering

Amey is one of today's leading engineering, operations and decarbonisation solutions providers, delivering rail infrastructure projects across the UK.

As the only designer, constructor, operator and maintainer in the UK rail sector, we bring an unrivalled understanding of the full rail system. We 'connect train to track', optimise the whole asset lifecycle and make data-led decisions. Our multi-disciplinary approach, expertly integrates our specialist operational knowledge with our experienced in-house design professionals to deliver powerful results.

Reduced delays by 40% and saved **£3.5 million a year** across Network Rail's South East region with our unique data tool, Quartz.

Saved over £100m in civil works by developing a smart electrification solution for the Core Valley Lines in Wales.

Delivering the **£6 billion Transpennine Route Upgrade** to provide more frequent, reliable services across the North of England.

Our expertise - connecting lives for a better tomorrow

Asset Management

By combining our strategic experience and practical knowledge of operational infrastructure with our data science and analytics experience, we provide a unique perspective on whole-life asset management.

We help our clients invest their time and resources in solutions which join the dots between optimum performance, cost, sustainability and safety, to deliver sustainable outcomes which benefit society.

Advisory & Analytics

We help our customers to extract insight from their data, driving more informed decisions based on past performance and future predictions.

Our advanced advisory capabilities create solutions through data modelling, devise bespoke digital strategies and deliver full programme management to solve complex operational challenges, improve network reliability and enhance customer experience.

Design

As the largest rail systems designer in the UK, our capabilities stretch across track signalling, power and electrification, telecoms, buildings and civils.

We also undertake asset condition surveys and feasibility work through to detailed design using complex structural modelling techniques of all railway infrastructure assets.

Rail Systems

We deliver complex rail systems through our in-house operational expertise or using our project management skills, we engage and collaborate with our vast supply chain to create efficient and reliable rail networks.

By expertly integrating our data science insight with our delivery expertise, we can advise and create solutions which push the boundaries of future thinking for the railway network while being grounded in practical reality, deliverable on-time and budget, and optimise assets for the long-term.

Systems Integration

We are experienced in navigating a complex systems environment, bringing together multiple systems and interfaces to ensure all elements benefit the end user.

To mitigate the risk of integration issues and associated delays, we have developed a unique end-to-end approach. This allows us to capture all asset requirements, design interfaces and operational delivery aspects at concept stage, and manage throughout the whole project.

Maintainer and Operator

We act as the Infrastructure Manager on the Core Valley Lines to ensure services operate safely and efficiently for passengers and freight. We're the only Infrastructure Manager to operate and maintain heavy rail infrastructure outside of Network Rail in the UK.

We operate and maintain two of the largest light rail networks across the UK - Manchester MetroLink and Docklands Light Railway - both with exceptional performance and customer service results.

Accelerating innovative change

Through collaboration with our communities, clients and supply chain we design and implement bold, innovative solutions.

New methodologies and technologies are revolutionising the rail industry, and at Amey, we're proud to be pioneering innovative solutions. The railway is the backbone of the UK offering huge opportunities for economic growth and individual prosperity. We believe investing in advancing the railway will unlock these opportunities and support even more industries to thrive.

We offer our clients cutting-edge approaches to ensure a safe, reliable network for our people and passengers, including:

- Using AI to detect passengers on the tracks

- Using sensors and real-time predictive analytics to anticipate and reduce delays, reduce asset failures and develop preventative maintainence regimes

- Saving numerous client teams time and resources with our speed restriction intelligence tool (SPRINT)

Leading with legacy

Collaborating with local communities is always at the heart of what we do.

Through our rail infrastructure projects, we deliver an ecosystem of rail networks that get people where they want to be, on time and without fuss, supported by transport hubs and stations that provide a wider, holistic range of services to the community.

Our purpose is to create sustainable infrastructure solutions, enhance life and protect our shared future. We do this through our Environment, Sustainability and Governance strategy.

- We've achieved PAS2080 - a global standard for managing carbon in infrastructure – for designer, constructor and asset manager, and are on track to achieve our net zero targets

- We're creating new skills and employment opportunities within the communities we operate

- We're engaging and integrating our suppliers and championing local business

Tackling energy transition

Our rail teams challenge energy use norms to deliver complex railway system projects more sustainably.

By working closely with our clients and supply chain, we're continually investigating alternative solutions which reduce emissions and positively contribute to improving the UK's carbon footprint and encourage more sustainable travel.

We believe this approach needs to be interwoven into all elements of our delivery model and solutions from designing lower carbon initiatives, creating new ways of working and investing in fossil-free materials. These include:

- Developing smart electrification on the Core Valley Lines, enabling bi-modal trains to run on the network without impacting local, historic structures and bridges

- Designing and delivering Net Zero strategies on every rail infrastructure project through the whole project lifecycle

- Combining our data and delivery insights to action-focused decarbonisation plans

- Leading the adoption of PAS2080 across every project to reduce carbon emissions in infrastructure

A data and digital approach

Our practical digital strategies make potential possible.

Our leading data and analytics capabilities enable us to provide intelligent, whole-life, transformative solutions that strengthen resilience, and drive towards improving freight logistics and making passengers' journeys better and safer, so they can more easily explore the country for work and leisure.

Our rail teams help:

- Define value, the data and insight required to support effective decision-making

- Build an effective and efficient operation integrating processes, people, technology, and data

- Focus on future business change and people to embed real and lasting change

Leveraging our capabilities to solve our clients' greatest challenges

Core Valley Lines - Asset Management

Why we're here:
Transport for Wales (TfW) was seeking to champion a data driven asset management culture to inform economic and efficient decision making on the Core Valley Lines(CVL). Their desire was to implement a new suite of asset management IT systems.

Our solution:
Amey has designed and implemented a suite of tools including an Enterprise Asset Management System (EAMS) from the ground up.

The outcome:
The assets on CVL are leased to Amey Infrastructure Wales (AIW), who perform the role of Infrastructure Manager putting data and digital operations at the heart of works to improve performance.

Network Rail - Data Insight

Why we're here:
In 2017, East Croydon was identified as the worst station on the South East Route for small in-station delays which impacted passengers across the network.

Our solution:
Using data, Amey created Quartz – a tool that enables station teams to identify operational improvement opportunities and key performance trends.

The outcome:
A first for Network Rail, Quartz helped station staff understand where delays were occurring. This enabled a 40% decrease in in-station delays, contributing an estimated £3.5 million in delay damages.

Transpennine Route Upgrade (TRU)

Why we're here:
Amey is the Rail Systems Delivery Lead and Principal Contractor for all activities in the rail corridor of the Transpennine Route Upgrade West Alliance between Manchester and Leeds.

Our solution:
Our aim is to deliver faster, longer, more frequent and reliable services to customers across the North of England through upgrading 76 miles of track, improving 25 stations and installing new overhead line electrification.

The outcome:
We have identified and realised efficiencies totalling £537m, enabling TRU to meet its 15% efficiency target.

Midland Main Line - Lowering Carbon

Why we're here:
Midland Main Line is upgrading and delivering a low carbon railway that's committed to meeting the UK Government's Net Zero carbon targets.

Our solution:
Using our full electrification experience, we've worked closely with Network Rail to install overhead line quickly and efficiently between London and Corby, minimising the impact to the end user and enabling greater use of electric trains.

The outcome:
The overhead line has been successfully upgraded, along with the supporting infrastructure, such as the sidings and stations. Adopting PAS2080, we reduced carbon emissions throughout construction, and these changes are now implemented on every project.

Amey

We are a leading provider of full life-cycle engineering, operations and decarbonisation solutions, for transport infrastructure and complex facilities.

Our purpose is to deliver sustainable infrastructure that enhances life and protects our shared future.

We combine exceptional expertise in Consulting & Design, Advisory & Analytics, Transport Infrastructure and Complex Facilities to design, manage, and maintain clients' assets throughout their lifetime

Our leading data and analytics solutions enable us to create transformative solutions that strengthen resilience and drive sustainable improvements.

amey.co.uk

BUSINESS IN THE COMMUNITY

The Prince's Responsible Business Network

INVESTORS IN PEOPLE®

We invest in people Gold
We invest in wellbeing Gold

Intrigued to find out more about the work we're undertaking across the UK's network? **Then please scan the QR Code.**