



**A Tradition  
of Rail Excellence**

# Company Overview



**50 YEARS OF  
RAIL EXPERTISE**



**AN UNRIVALLED  
SAFETY RECORD**



**100% FOCUSED ON  
THE RAIL INDUSTRY**

[www.emeg.co.uk](http://www.emeg.co.uk)



# About Us

At Emeg, we provide a range of specialist services focused on the needs of owners and operators of rail facilities and sidings. We aim to develop long-term relationships with our clients, to understand your business so we can tailor our services to your unique requirements.

## Our History

Emeg was founded in 1997 by Richard Simmonite, a time-served electrical engineer with over 50 years' experience within the rail sector. Today, Emeg is a completely rail-focused company, offering turnkey, in-house solutions to all projects – from new-build to enhancement and refurbishment works.

Throughout our long history, our work has mainly centred upon maintenance depots, station upgrades, re-signalling and permanent way (PWay) project works.



## Our Depot Services

-   
Design
-   
MEP
-   
Rail Systems
-   
Protection
-   
Refurbishment
-   
Maintenance

## Our Accreditations

We are focused on delivering the highest level of service and efficiency and are dedicated to maintaining a list of accreditations that prove our commitment to quality.



## Our Clients

Our focus on client-oriented and tailor-made solutions has enabled us to work with a large list of clients on a long-term basis. Our clients include:



## Our Ethos

We employ a consistent site workforce of full-time engineers, electricians, pipe fitters, gas installers, heating & ventilation engineers. All ably controlled by our project management teams, backed up with off-site services of SQE, estimating, procurement and design.

At Emeg, we believe that safety is a behavioural culture and an attitude, and as such, is led from the top by the Managing Director.

We firmly believe that our unprecedented success in continuing to achieve zero accidents over our full trading history is a tribute to our safety-first work ethos.

This ethos and culture, coupled with our highly experienced and time-served workforce, are fundamental to our past and continued success.







## United Kingdom

### Chesterfield - Head Office

Emeg Group Ltd  
 3 Dunston Place, Dunston Road,  
 Whittington Moor,  
 Chesterfield,  
 S41 8NL

T: +44 (0)1246 268678  
 F: +44 (0)1246 268679  
 E: sales@emeg.co.uk

### Manufacturing & Distribution

Emeg Rail Systems Ltd  
 Unit 2 Lockoford Trade Park,  
 Lockoford Lane,  
 Chesterfield,  
 S41 7JL

### Design Office

Emeg Design Services  
 5 Scholar Green Road,  
 Stretford,  
 Manchester,  
 M32 0TR

T: +44 (0)161 8656208  
 E: enq@emeg.co.uk

## International

### Dubai Office

Emeg Rail Systems LLC  
 Office 1905, Tameem House,  
 Barsha Heights, Al Thanyah First,  
 Dubai, UAE  
 Makani No. 1619377211

T: +971 04 568 6798  
 E: sales@emegrailsystems.com

### Abu Dhabi Office

Emeg General Trading LLC  
 Office 906, Al Falah St,  
 Al Danah,  
 Abu Dhabi, UAE

T: +971 04 568 6798  
 E: sales@emegrailsystems.com



Headquarters



International Office



Design Office



M&D Centre



# A One-Stop Rail Solution

Emeg Group offers a one-stop-shop for global rail owners and operators – from initial consultancy and feasibility studies through to design, supply, installation and ongoing preventive and reactive maintenance. As the contractor of choice, Emeg has the in-house capability to provide complete turnkey, fully integrated rail depot solutions, as shown below.





# Featured Products

As well as the market-leading, full turnkey depot products below, we supply solutions for air purification & ventilation, depot heating & cooling, 3D laser scanning, shore supplies, sanding systems and a wide range of ancillary products. We can also supply custom-made LED lighting and various products for fleet cleaning and protection.



**Smart Depot Management System**

Our bespoke depot solutions can be integrated & monitored via our smart depot management system.



**Carriage Wash Machines (CWM)**

We can supply permanent or temporary carriage wash machines for your depot, including brush or flail and single direction or bi-directional.





**Fuel Storage & Dispensing**

Our complete fuel storage and dispensing systems comply with Network Rail standards and the Pollution Prevention & Control Act 1999.






**Controlled Emission Toilets (CET)**

Our CET solutions are powered by high-quality pumps & macerators and integrate with our smart RFID tagging & tracking system.



**Intelligent Fluid Mixing**

We provide a range of bespoke e-mix™ and e-fill™ solutions to store and dispense AdBlue and other fluids essential to your rail operation.


**Intelligent Exhaust Fume Extraction System**

e-fume™ provides universal depot coverage to reduce contaminants, improve air quality and safeguard your workforce from fume inhalation.

**Depot Protection System (DPS)**

Network Rail PADS-approved, SIL2-compliant and the world's first depot protection system with integrated facial recognition technology.





# Maintenance Services

## Mission Statement

To exceed our client's expectations and objectives by being the first choice service provider and solutions specialist for rail depot systems through the continuous availability of our support, range of services, technical excellence, innovation and efficient deployment of resources.

## Company Overview

Emeg Maintenance Division (EMD) has more than 20 years' experience in the provision of rail depot maintenance and specialises in post-install aftercare, uptime and lifecycle replacement of depot systems, providing a comprehensive range and the very highest levels of depot maintenance services. We're a 'one-stop-shop' for depot operators, providing services ranging from basic plant failure attendance cover to planned preventative and condition based maintenance.

Depot systems are vital to the effective operation of UK railways. Carriage Wash Machines, CET and fuelling systems are all vital to the timely turnaround of rolling stock. High-usage uptime of these systems, often in demanding conditions, is fundamental to the operation of the depot. Planned 'preventative maintenance' regimes are therefore an essential and mitigating provision, as is the ability to respond to plant failures when called upon, with the relevant skills, knowledge and service history.

Employing a consistent workforce of skilled problem-solvers, from pipe fitters, electricians and gas installers to heating & ventilation engineers, supported by our experienced project management teams, Emeg Maintenance Division focuses on continuous improvement across the business to provide its clients with a best-in-class depot maintenance service provision.

## Products and Solutions

### Rail depot maintenance solutions

Our solutions encapsulate the planned and reactive maintenance of the majority of depot shed equipment and plant items used to service rolling stock. Our range of services are tailored to meet the requirements of our clients in the following areas;

- ◆ Standard or bespoke planned maintenance.
- ◆ 24/7 reactive maintenance.
- ◆ Warranty and aftercare on Emeg installed products.
- ◆ Lifecycle management, including overhaul & replacement of depot equipment.
- ◆ Site surveys, including asset condition and lifecycle assessments.



Emeg Maintenance Division has the ability to maintain any depot plant and equipment – we aim to provide a one-stop solution. Our range of services for depot plant and equipment maintenance covers:

- ◆ Carriage wash & underframe cleaning machines
- ◆ CET systems
- ◆ Depot protection systems
- ◆ Fuelling systems
- ◆ Oil, lube & gas storage and distribution
- ◆ Coolant & anti-freeze
- ◆ Heating & ventilation
- ◆ Boosted cold water systems
- ◆ Drainage & effluent
- ◆ Leak detection
- ◆ Electrical jacks

- ◆ Gantry cranes
- ◆ AdBlue
- ◆ Shore supplies
- ◆ Shunting vehicles
- ◆ Interceptors
- ◆ Air & sand dispensing systems
- ◆ Security & CCTV systems
- ◆ Yard & internal lighting
- ◆ Industrial doors

Our periodic planned maintenance visits and achievement of industry-leading service levels will result in full accountability and honest appraisals, greater levels of data to mitigate plant failures and improved lifecycle expectancy and equipment renewal dates, which allows us to serve depot operators better and promote solutions in advance of problems occurring.



## Maintenance Clients Include:





# Design Services

Emeg's design 'centre of excellence' is based out of our Manchester office. The team consists of professional engineers, system architects and designers with skill sets encompassing various electrical and mechanical disciplines.

With the experience gained from our rail, engineering and construction industry background, we have the ability to resolve design problems with viable, cost-effective solutions for clients within all branches of rail engineering.

The team's extensive experience in building services design from the conceptual stage to site installation, include the following services:

- Electrical
- Mechanical
- Telecoms

Through Emeg's proactive and strategic approach to rail and building engineering services and design, we produce solutions that are highly sustainable while representing exceptional value for money.

We pride ourselves on developing and producing design strategies, in conjunction with structural engineers and architects, to provide energy-efficient, cost-effective multi-service designs where required.

## Construction based knowledge for practical design solutions

Our electrical design engineers have experience in designing and implementing all electrical services within Network Rail facilities, including service and accommodation supplies, design and modelling of complete electrical infrastructure (from private HV networks to LV supplies), mains power distribution, lighting (general, emergency and external), small power, fire alarm and security.

Mechanical design engineers are also an integral part of our integrated design team, offering design solutions for all mechanical services.

Our mechanical design services mainly focus on heating, ventilation and air conditioning applications for aspects of the built environment.

Our building services design engineers specialise in sustainability and low-cost, low-carbon building solutions, incorporating the latest energy-efficient technology to achieve the required BREEAM rating. Low and Zero Carbon (LZC) technologies are also available.

## BIM (Building Information Modelling)

Emeg has the ability and experience to take a Bentley Microstation or Autodesk Revit Dynamic Modelling approach to M&E solutions. We are fully BIM ready in terms of policy, processes and compliance. We deliver valuable modelled data and design outputs for all our projects.

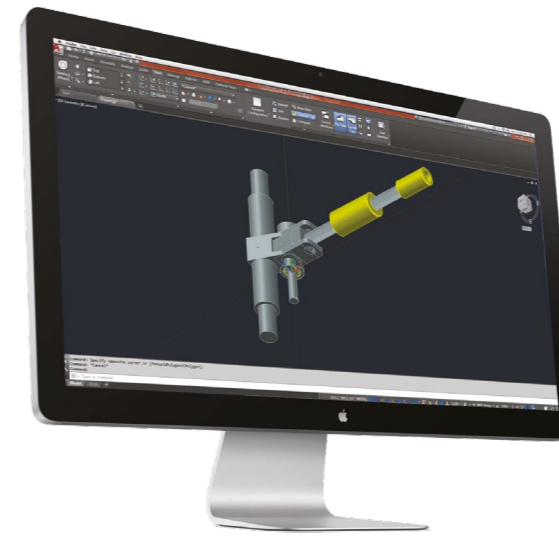
## Design Software



## Electrical Design Services

Emeg has the in-house capability to design electrical systems from 110V and below through to 33kV. The more usual electrical systems that Emeg design are HV, MV and LV distribution, traction power distribution, internal / external lighting and emergency lighting, platform and car park lighting, depot and high-mast lighting, general power and the like, i.e. all aspects of electrical works found in stations, depots and the general rail infrastructure.

In addition, Emeg's designers provide the electrical designs associated with Emeg's products, such as shore supplies, carriage wash machines, CET and Depot Protection System (DPS).



## Mechanical Design Services

Our main focal points of mechanical design are heating, ventilation and air conditioning applications. We can provide bespoke heating solutions to cater for the exact requirements of the client and end-users. This is typically coupled with a strategic ventilation system, resulting in a fully-automated scheme controlling heat and air distribution through the building.

On the other end of the scale, we offer solutions for the more user-orientated commercial facilities, i.e. office blocks, station buildings and depot management suites. Occupational comfort tends to be the primary focus for these developments, where our detailed assessments enable an appropriate design solution to be installed.

## Telecom Design Services

Our telecoms design engineers can offer the complete package from design conception to approved-for-construction detailed design and CAD drawings. Emeg also has expertise in IT and telecommunications hardware, software and networking services.

We specialise in the design and installation of a variety of telecom voice and data system solutions. Certified technicians work directly with clients and end-users on complex requirements relating to the design of new installations and initial implementations. Emeg is committed to providing a dedicated, efficient and reliable design service without compromising on quality.

## Depot System Design

Emeg has the in-house ability to provide complete turnkey packages for all depot systems, including all accompanying M&E works depot-wide and within the various system plant rooms. Emeg's design and construction teams have extensive experience in:

- Depot Protection Systems (DPS)
- Carriage Wash Machines (CWM)
- Controlled Emission Toilets (CET)
- Fuel dispensing systems
- Oil dispensing systems
- Coolant dispensing systems
- AdBlue dispensing systems
- Automated sand dispensing systems
- Tanking water dispensing systems
- Hot and cold water systems
- Shore Supplies

All of Emeg's systems can be tailored to meet client requirements, Network Rail standards and the specific constraints of the site or location. Emeg has been involved in various Network Rail services roll-out programmes, such as the Northern Hub electrification programme, to deliver fully operational train maintenance depots to service new and upgraded rolling stock and assets. Our design team is involved from the initial concept stages through to depot handover and they'll ensure the original quality, safety, programme timescales and budget aspirations are maintained.

## Design Accreditations

IET The Institution of Engineering and Technology



## Business Techniques





# Safety Vision

Have you got the NAC (Nil Accident Culture)?

## Safety is in Our DNA

We believe that the strength of our company lies in the skills and expertise of its people, working in a diverse portfolio of engineering-based industries.

Safety is viewed as a core business value and we are committed to ensuring the safety, health, wellbeing and welfare of everyone working for or on behalf of Emeg Group.

## Our Commitment

- Safe behaviour is a requirement of working for Emeg Group.
- We will ensure our people have the correct tools and equipment to carry out the work.
- We will ensure our people have the skills and competency to carry out the work safely.
- We will plan our work to ensure it can be done safely.
- We will always take 5 minutes to identify any risks within the work area and make sure they are controlled before starting.
- We will stop work if it cannot be done safely.
- We will always comply with the site and lifesaving rules.
- We will use close calls to report unsafe behaviour and conditions.
- We will not tolerate retribution for anyone reporting wrongdoing or suspected wrongdoing.
- We will keep our working environment tidy and when the work is completed, ensure the site is left in a safe condition.



**NIL ACCIDENT CULTURE  
HAVE YOU GOT THE NAC?**



**ZERO ACCIDENTS ACROSS  
25-YEAR TRADING HISTORY**



**WORKFORCE SAFETY &  
WELFARE A TOP PRIORITY**



**EMEG HOLD THE HIGHEST  
SAFETY ACCREDITATIONS**





# Sustainability Policy

Our commitment to a cleaner, greener future.

Emeg Group takes its environmental responsibilities very seriously. In fact, we've been conscious of our carbon footprint throughout our entire 25-year trading history. We have taken proactive steps to reduce our energy and water consumption across our entire operation, while also implementing measures and processes to mitigate our carbon footprint and environmental impact through our office-based activities.

Emeg Group's Environmental Policy was designed to clarify our commitment to negating the company's impact on the environment. This is shared with all employees and where necessary, education is provided to ensure protection of the environment in which we live and operate is always a primary consideration. Sustainability is a core part of Emeg Group's values and principles and we consider it to be sound business practice. We believe that caring for the environment is one of our key responsibilities and integral to how we do business.



**Richard Simmonite**  
CEO, Emeg Group

### Emeg Group has committed to reducing its environmental impact by:

- Reducing transportation requirements wherever possible.
- Utilising public transport and car sharing.
- Purchasing low-emission, economical vehicles.
- Ensuring vehicles are serviced regularly.
- Using conference call facilities in lieu of in-person meetings.
- Operating a paper-lite office wherever possible.
- Ensuring energy and water is used efficiently.

### Sustainability Policy Statement

Emeg Group Limited is fully committed to delivering sustainable construction within our business. This policy statement is based around Emeg Group Limited being a regional business with significant use and development of local resources and the inherent community involvement. This policy is fully supported by the Managing Director and management team.



**GREENER DEPOTS,  
HEALTHIER PLANET**



**ISO 14001 CERTIFIED**



**ENERGY & WATER  
SAVING MEASURES**



**SUSTAINABILITY A CORE  
BUSINESS VALUE**





**UK Head Office**

Emeg Group Ltd  
3 Dunston Place, Dunston Road,  
Whittington Moor, Chesterfield,  
S41 8NL

**T:** +44 (0)1246 268678  
**E:** sales@emeg.co.uk

**Design Office**

Emeg Design Services  
5 Scholar Green Road,  
Stretford, Manchester,  
M32 0TR

**T:** +44 (0)161 8656208  
**E:** enq@emeg.co.uk

**Dubai Office**

Emeg Rail Systems LLC  
Office 1905, Tameem House,  
Barsha Heights, Al Thanyah First,  
Dubai, UAE

**T:** +971 04 568 6798  
**E:** sales@emegme.com

[www.emeg.co.uk](http://www.emeg.co.uk)