



RAIL INFRASTRUCTURE

# CAPABILITIES /

## Electrification

 **VolkerRail**





**As a leading and established overhead line electrification (OLE) provider, with both a Principle Contractors Licence and a Plant Operators Licence, we offer cost effective and professional electrification services, as a single discipline provider, or as part of a multidisciplinary project team.**

Our experienced and professional workforce has the capability to work across several of the UK's public and private sectors, including main line rail networks, branch line networks, overground mass transit networks, depots and private industrial railways.

From development through to implementation, testing, commissioning and final hand back into service, our teams have the experience and capability necessary to successfully deliver all phases and aspects of a railway electrification project.

#### ONSITE TRAINING FACILITY

Developed in 2015, in readiness for the increase in electrification projects across the network and to tackle the skills shortage in the rail industry, VolkerRail built a bespoke OLE training centre to ensure we have suitably qualified personnel, especially high voltage designers and engineers.

The facility caters for existing and future overhead line system equipment, and houses two 20m long training spans, which are used to undertake low level and high level training in controlled conditions. There is also a signalling and points heating installation on ballasted track, supporting signalling, and mechanical and electrical training equipment.

These facilities provide the trainees with technical and practical experience, prior to undertaking work on site.

#### PLANT HIRE

To aid in the delivery of OLE projects, we work closely with VolkerRail's plant division, which has an extensive fleet of specialist road rail machinery, designed to work safely under overhead line infrastructure.

This machinery is maintained on and off site, by VolkerRail's industry-leading maintainer operators, resulting in extremely high rates of reliability.

We also work with VolkerRail's piling division, which has the capability to deliver a wide range of piling solutions, using a variety of technologies, and has the knowledge and skills needed to install a full range of piles, of varying types and sizes. The division specialises in the installation of overhead line equipment, signal gantries, and platforms.

#### SERVICES OFFERED BY OUR ELECTRIFICATION DIVISION INCLUDE:

- OLE installation
- Testing and commissioning of OLE systems
- Isolations and planning
- Foundation installation
- Steelwork erection
- Switchgear
- Bonding installation
- Height and stagger survey analysis and adjustments

To complement our project activities, we also offer an isolation management service.

#### COMPLETED PROJECTS INCLUDE:

- Werrington tunnel
- Blackpool depot
- East West Rail - Power Supply Upgrade
- Wigan depot