



ESS

Safety, Survey, Test & Measurement



ESS Rail Equipment



Welcome to ESS Rail

We are ESS, the specialist equipment provider. We have been supporting the rail industry for over 30 years, delivering a range of safety, survey, communications and test and measurement equipment. Our rail customers rely on ESS to provide the necessary equipment to carry out essential maintenance to ensure the UK's rail network continues to run smoothly and safely.

- ESS has developed first-class partnerships with leading manufacturers across the different product areas that we operate. We work with big names including Leica, Dräger, MSA, Radiodetection, Motorola, Fluke and Chauvin Arnoux, plus many more.
- Our diverse fleet ensures you can rely on ESS to provide an end-to-end solution for your rail project. With equipment for use in the initial surveying of the railway through to communication solutions for your team, ESS's experts can make sure you stay on the right track with your project.



Benefits of Hire

ESS houses a specialised fleet of over 50,000 different pieces of equipment. Our relationships with the leading manufacturers allows us to source the latest equipment so that we can provide a solution when you need it, no matter what the challenge.

Renting over buying with ESS comes with a range of benefits that can save you time and money which could be better spent working on your project.

When renting you;

- Forego the large upfront cost you would incur when buying outright
- Only pay for the equipment when you need it
- Gain fast access to the latest equipment
- Reduce storage costs
- Have flexibility on hire length
- Eliminate servicing and calibration charges
- Save capital by shifting spend to OPEX
- Plus many more.

When renting with ESS, you can have confidence that our team of specialists will ensure you have all the relevant knowledge and understanding of any product you rent from us. Wherever possible, ESS will integrate ourselves into your worksite to ensure we are on hand when you need us.







Rail Survey

Rail surveying is important for the detection of any problems or issues which may be present on the tracks. Due to the nature of rail and the number of members of the public who use the services every day, it is critical that all surveying done is accurate. ESS's hire fleet is stocked with the latest surveying equipment from market-leading manufacturers such as Leica and Trimble to ensure you have access to the latest equipment and technology for your rail surveying project.

Rail Survey Equipment



Trimble SPS930

The Trimble SPS930 provides the highest degree of accuracy for site positioning, stakeout, measurement and machine control.



Trimble TSC5 Controller

The TSC5 controller is an android-based survey controller featuring a five-inch screen and full keyboard – ensuring fast, efficient operation, even while wearing gloves.



Trimble R12i

The Trimble R12i delivers improved GNSS performance in challenging conditions with robust IMU-based tilt compensation allowing you to operate without a levelling pole.



Leica GS18T

The Leica GS18T combines GNSS and IMUs to be the first true tilt compensation solution that is immune to magnetic disturbances and is calibration-free.



Spectra GL622IR Laser

The Spectra GL622IR Laser is an automatic, self-levelling laser with an invisible infrared beam and an 800m diameter range.



Leica TS16 1" R1000

The Leica TS16 1" R1000 Total Station automatically adjusts to any environmental conditions, locking on to only your target and ignoring other distractions.



Geismar Mephisto Laser Surveying Recorder

The Geismar Mephisto Laser Surveying Recorder is a single rail trolley with the latest laser measurement and calculation technology.



Radiodetection gCAT4+

The new Radiodetection gCAT4+ Cable Locator is the top of the range model, building on the functionality of the eCAT4+ with included SWING Warning, Data Acquisition, StrikeAlert, GPS tracking and Depth Estimation.



Rail Safety

When operating in any environment, safety should be the number one priority. This is no different when working within the rail industry. There are many dangers when working on rail including electrical faults, working-at-height over bridges, and working within tunnels. Therefore, you must ensure you are prepared and equipped for potential incidents which may arise.

ESS offers the latest safety equipment from leading suppliers such as Dräger, MSA, Radiodetection SiteZone, and 3M to ensure you have access to the safety equipment you need when you need it.

Rail Safety Equipment



Dräger X-plore® 8500

The Dräger X-plore® 8500 offers a new level of intuitive handling combined with intelligent electronics that provide the high degree of safety your workers need to focus on the task at hand.



Defibrillator

This fully automatic defibrillator is specifically for the first person at the scene of a sudden cardiac arrest. Designed for the minimally trained and infrequent rescuer its two stage operation is easy to understand and use in an emergency.



microVENT Industrial Resuscitator

The microVENT industrial Resuscitator has both manual and automatic modes allowing both automated and user timed inflations when a patient isn't breathing adequately.



SiteZone Proximity Warning System

The SiteZone Proximity Warning System creates a detection zone around a vehicle, machine or restricted area which, when breached by someone wearing a SiteZone Vibrating Tag, alerts the machine operator of their presence. Tags are tamper-proof and require no maintenance along with a 3 year battery life.



3M Versaflo Powered Respirator

The 3M Versaflo Powered Respirator gives the wearer face and head safety protection, as well as offering eye and respiratory protection.

ESS is here to support
you as your specialised
hire partner

View vp-ess.com for the latest equipment
and information



Rail Communications

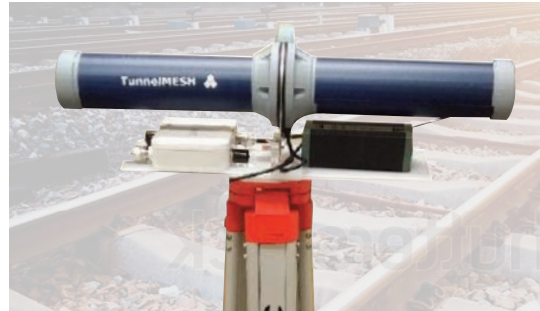
Communication on any worksite is vital for maintaining productivity and safety. When working within the rail environment, communication devices could be the difference between life and death for workers. At ESS we stock the latest technology from suppliers such as Motorola, Kenwood, Hytera and DBD Communications and many others to ensure you have access to the latest equipment. ESS have an extensive innovations programme and work with many of our suppliers and customers designing and evaluating new products to ensure we are at the cutting edge of new technology.

Rail Communications Equipment



Compact Cab Kit

The Compact Cab Kit offers a new level of flexibility for the machine operator. Featuring a high visibility bag, built-in speaker, glass mounted microphone and large capacity battery, the compact cab kit provides quick deployment and better situational awareness for the machine operator.



TunnelMesh

TunnelMesh is a rapidly deployable, localised wireless mesh network. Targeted specifically at tunnels and behaving just like a Wi-Fi network, the tunnel mesh is perfect for passing data such as communications, images and CCTV.



Motorola TLK 100

The Motorola TLK 100 is a Push to talk cellular device which uses existing 3G/4G networks to provide wide area communications. This solution has Wi-Fi built in allowing them to be used with TunnelMesh or in places where mobile coverage isn't sufficient but Wi-Fi is present.



Athena Freedom 2

The Athena Freedom 2 lightweight full duplex system is a much lighter and smaller headset than those in regular use currently. While still retaining full network rail approval, the latest evolution reduces the weight significantly giving users a much more comfortable experience and improved situational awareness.



Voice Recording Radios

As a direct result of Network Rails new mandate whereby all critical communications used in the rail environment require voice recording capabilities, ESS developed a simple and effective, GDPR compliant solution. Using the well-known and trusted Motorola DP4400e radios ensure operational effectiveness and solution simplicity.



Athena Lighter System

The Athena Lighter System's left ear dome is fully hollow, allowing an open ear, thus extending situational awareness. Features a 100m range.



Rail Test & Measurement

The rail industry transports the public safely at high speeds every day. It is vital that regular testing and measurement of the equipment, vehicles, and tracks used to carry out these duties are done on a regular basis. Due to the number of people who rely on the rail service, it is also important that these checks and tests can be conducted quickly and efficiently to reduce disruption time. At ESS we stock the latest Test & Measurement equipment to ensure you have access to the newest products from leading suppliers such as Fluke, Flir and Megger.

Rail Test & Measurement Equipment



Fluke 435

The Fluke 435 Power Quality and Energy Analyser allows you to analyse power quality issues, calculate the costs of wasted energy and prevent down-time.



Megger Sverker 900

The Megger Sverker 900 is a relay and substation test system that addresses the increasing need for three-phase testing capabilities.



Omicron 356

The Omicron 356 is the universal solution for testing all generations and types of production relays. Renowned for its versatility, amplitude and power.



Flir E6

The Flir E6 is a feature packed thermal imaging camera offering straightforward point and shoot operation that is ideal for novice thermal imaging camera operators.



B2 HVA VLF Test Sets

The B2 HVA VLF Test Sets can test the integrity of cable insulation and varying frequencies with their range of available tests.



HVI Live Line Testers

Our range of HVI Live Line Tester Kits can perform measurements for both live voltage testing and phasing of overhead lines.



Fluke 1736

The Fluke 1736 Power Quality Logger is a versatile, three-phase, Fluke Connect compatible power logger for conducting energy, load and power quality studies.



SPC Pro Power Analyser

The SPC Pro Power and Energy Analyser is a three-phase power analyser used for checking power consumption, load studies and general power quality monitoring.

Specialist On-Site Support Services

ESS understands the importance of having safe, reliable, and efficient on-site support services readily available when working for extended periods on-site and in potentially dangerous environments.

Our on-site support trailer can be deployed to provide asset management services to your team. Providing essential equipment such as respirators and communications devices when required.

Our on-site support team will carry out all pre and post-hire checks, cleaning and sanitising, charging, and reporting any missing or damaged equipment immediately, which usually results in missing equipment being located and returned minimising loss charges and additional costs.

In case of an emergency, our on-site teams also carry fire extinguishers and defibrillator units.

On-Site Face Fit Testing Service

ESS is able to carry out Face Fit Testing on-site. Our Fit2Face accredited respiratory support experts will ensure that the test is carried out correctly and a detailed Face Fit Test report is generated.





ESS

Safety, Survey, Test & Measurement

Onsite Safety & Communications Support

Tel: 0800 000 346
Web: www.vp-ess.com



MOTOROLA SOLUTIONS
Channel Partner

Dräger





SAFETY



SURVEY



COMMUNICATIONS



TEST & MEASUREMENT

Calibration Unit

• **0800 000 346**
www.vp-ess.com

On-Site Servicing

We can bring our servicing workshop to you. With national coverage from a fleet of highly specified, fully equipped vehicles, our on-site engineers can service your equipment at your location, reducing downtime of equipment whilst increasing cost-effectiveness.

Utilising our on-site servicing workshops includes a host of benefits including:

- Reduce costs, control risks and aid compliance
- Total visibility of your fleet using the web or a handheld controller
- Asset status and location are always available to you
- Full service history of each fleet item
- For long term, fixed cost asset purchase and fleet maintenance we offer total asset care packages

Asset Management

We also offer long term flexible Asset Management Service contracts, ensuring total care of your fleet all year round so you can concentrate on your core business.

Using the latest RFID technology, our Asset Management Service can include anything from a basic maintenance package to a truly bespoke management solution for your fleet of equipment.



Reinforced by Vp Network

Vp plc is a major distributor of equipment to the rail industry, supporting major names including Balfour Beatty, Network Rail, Amey, HSS and Colas Rail.

Each of Vp plc's divisions has a specialised offering of equipment and services, distributed via a network of over 300 branches to keep the UK's rail network operating smoothly.

Vp plc Group Businesses



Vp **Airpac Rentals**
Energy Industry Solutions

Airpac Rentals Energy Industry Solutions is an international business supporting a wide range of oil and gas markets, servicing well test, pipeline testing, rig maintenance and LNG markets worldwide.



Vp **Brandon Hire Station**
The UK's Tool and Equipment Hire Specialist

Brandon Hire Station is a leading provider of tools and specialist rental products to industry, construction and home owners across the UK.



Vp **ESS**
Safety, Survey, Test & Measurement

ESS is a specialist provider of safety, survey, communications and test & measurement equipment



Vp **Groundforce**
Specialist Construction Solutions

Groundforce is the market leading rental provider of excavation support systems and specialist products for the water, civil engineering and construction industries.



Vp **MEP Hire**
Mechanical, Electrical & Low Level Access Specialists

MEP Hire provides mechanical and electrical press fittings and low level access products to the UK.



Vp **Torrent Trackside**
Railway Plant. Railway People.

Specialist suppliers of rail infrastructure portable plant and related trackside services.



Vp **TPA**
Temporary Access Solutions

TPA Portable Roadways is one of Europe's largest suppliers of temporary access solutions.



Vp **UK Forks**
Materials Handling Specialists

UK Forks is one of the UK's leading specialist hirers of telescopic handlers and tracked access platforms.



ESS Branch Network

We offer a wide range of high quality equipment from across our network of branches in the UK. For more detailed information visit our branch finder on vp-ess.com

- ✓ Aberdeen
- ✓ Castleford
- ✓ Bristol
- ✓ Exeter
- ✓ Gatwick
- ✓ Glasgow East
- ✓ Glasgow West
- ✓ Heathrow
- ✓ Knowsley
- ✓ Lincoln
- ✓ Livingston
- ✓ Manchester
- ✓ Middlesborough
- ✓ Neath, Port Talbot
- ✓ Newcastle Under Lyme
- ✓ Rainham
- ✓ Runcorn
- ✓ Southampton
- ✓ Wellingborough
- ✓ West Bromwich



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