

Survey

Tomorrow's Geospatial Solutions, Today





Geospatial survey expertise

Training and on-site support

Future technologies today

Leave the how to us.

At Sunbelt Rentals, we're worlds apart from the competition, offering unparalleled expertise in hiring and selling surveying equipment. Our outstanding servicing, training, and technical support set us apart.

Our people are some of the most knowledgeable specialists in the industry, we help customers like you across a wide range of industries.

We offer a large range of precision survey equipment, including Total Stations, Laser Scanners, GNSS, Utility Detection Equipment, Rail Surveying Equipment and Machine Control.

You can depend on us for meticulously serviced and inspected equipment. We're a fully accredited authorised distributor and service partner of Leica Geosystems, and a channel distribution partner of FARO Technologies, SPX Radiodetection, Pix4d and Trimble.

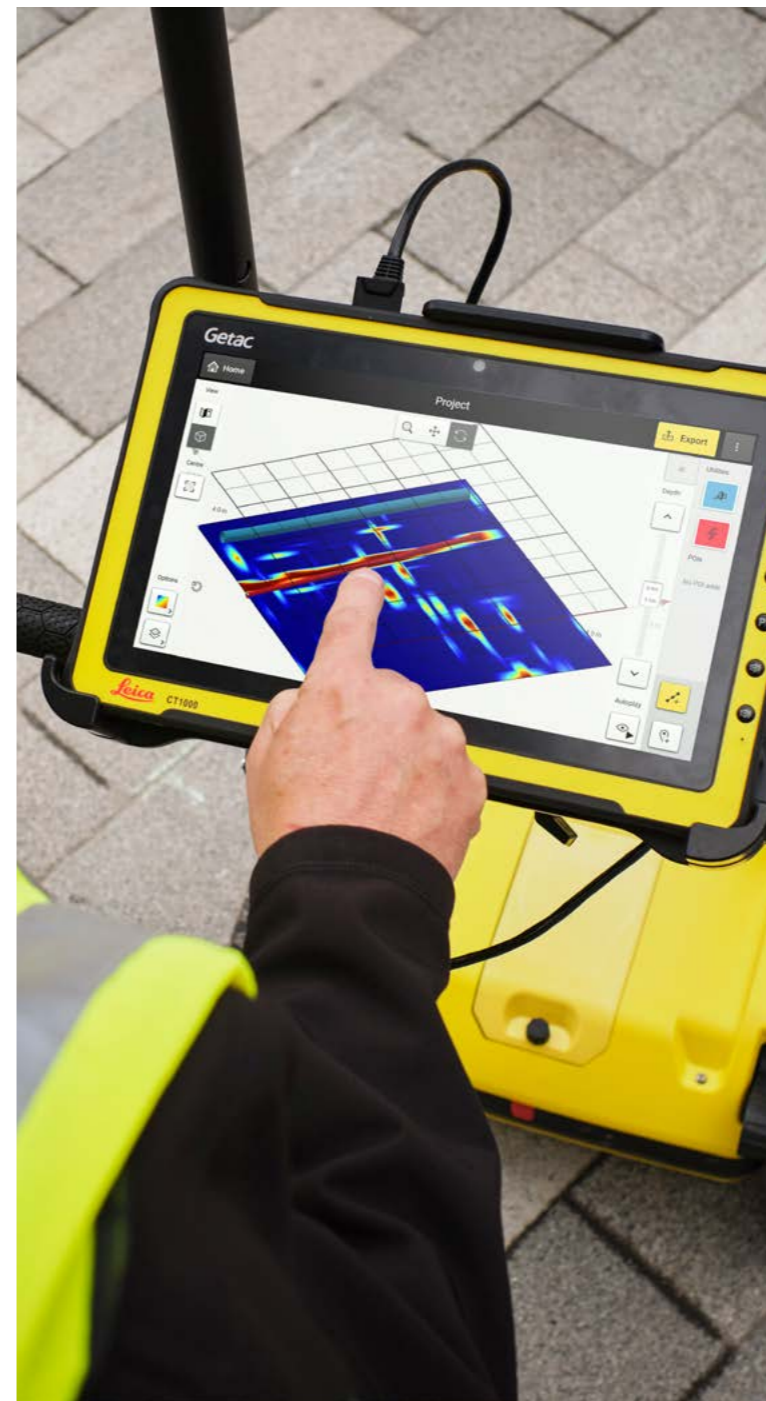


SERVICING, CALIBRATION AND REPAIRS

We are a fully accredited authorised service and distribution partner of Leica Geosystems. This means that we can offer full instrument calibration, servicing and repairs on a wide range of equipment.

Our service technicians are trained to the highest standards and undertake regular professional training on a wide range of our equipment, across many manufacturers.

We understand how inaccurate instruments can affect your work, and how regular maintenance for your equipment can ensure your instruments are performing accurately and reliably. We would be very pleased to book in your instruments for scheduled maintenance.



TECHNICAL SUPPORT

We believe that your level of technical expertise should not be a limiting factor in what you can achieve within your projects. Accessibility is important, so we provide you with all the documentation and software you need to get started.

Our equipment specialists are experienced in supporting everyone from absolute beginners to certified technical experts and can guide you through your project from initial point of contact, all the way through to project completion.

TRAINING

We understand that training and expert technical support are both vital to unlocking the full potential of your survey equipment. We offer structured training programs that enable you to stay up to date with the latest advances, utilise your equipment and understand the full capabilities to help improve your workflows.

We offer courses on a wide range of our products, including Total Stations, Laser Scanners, GNSS Systems, Digital Levels and Cable Avoidance to ensure your employees are trained, developed and supported. We also run a range of Machine Control courses delivered either at our own training centres or at your site minimising downtime.

As an authorised Leica geosystems training partner, Sunbelt Rentals UK are able to offer training on a range of Leica equipment, including laser scanner workflow training.

Our rail technology courses are centred around surveying, measuring, monitoring and setting out for positioning of tracks, assets and other rail infrastructure.

These courses can be run at any of our depots, but for a realistic on-track experience, you can come to our Heathrow Training Centre, which features an indoor track layout to allow you to efficiently and safely learn how to use these tools.



CASE STUDY

ADOPTION OF DIGITAL PROJECT SOLUTIONS BY TOUGH CONSTRUCTION

INTRODUCTION

Tough Construction works across a range of projects in Scotland for local authorities, housebuilders and commercial clients. The company has used a range of surveying equipment from Sunbelt Rentals across sites in Scotland for over 15 years, but was looking to implement more digitally focused 'connected sites'. This would allow Tough Construction to work smarter by reducing downtime, increasing productivity, increase cost savings and utilising streamlined communication methods.

THE CHALLENGE

It was evident that Tough Construction's workflows could be enhanced and the company was keen to readdress their way of working. However, the company's operatives were familiar with the surveying equipment and methods they had been using for a number of years. They were used to manually inputting setting out data and handing in sketches on paper. This led to inefficiencies throughout the Engineering Department as each Engineer had their own workflow and there were several different drawings in existence for each site.

It was a matter of instilling confidence in utilising state-of-the-art surveying equipment which was able to instantly turn complex data into realistic and workable 3D models.

Initially, Tough Construction's employees were hesitant about no longer inputting data manually and it was important to educate colleagues about how they could effectively work with electronic data and keep projects on track.

THE SOLUTION

We provided Tough Construction with a Digital Project Solution comprising multiple Leica Robotic Total Stations, GNSS smart antenna for accurate positioning, Machine Control Solutions and associated software. Alongside the equipment supply, we provided technical support and training, customer care, warranty and servicing packages.

This has helped Tough Construction to effectively adopt digital construction methods across their project base. The TS13 Robotic Total Stations allow Tough Construction to complete demanding measuring tasks out in the field without the risk of human error. The survey data is immediately transmitted to office staff and turned into 3D models. The Leica Viva GS16 GNSS Rover allows Tough Construction to establish control, create co-ordinate systems and set up base stations to position Excavators and Dozers using Machine Control.

The accompanying Leica Captivate software allows data to be viewed and used, providing a clear understanding of data in 2D and 3D views. The Leica MC1 Machine Control Solution has enabled sites to become more efficient, helping plant operatives to work more accurately and enhancing safety. It is used for regrading work, digging of foundations, surveying and documenting soft ground areas that resulted in deeper excavations than originally planned.

Using Leica's online cloud service ConX the design team are able to send the project data straight to the machine control system from the comfort of their office without the need to visit site, ConX then sends live as-built information back to the design team enabling them to produce detailed progress reports.

THE RESULTS

The solution provided by Sunbelt Rentals and Leica Geosystems has transformed ways of working at Tough Construction. The company has now embraced digital construction, using online services for data sharing and digitally connecting sites. Productivity has increased significantly, workflows have been unified and drawings created in the office are being utilised by engineers who stake out directly from them.



MACHINE CONTROL SOLUTIONS

Machine control is the use of state of the art guidance systems to assist operators and improve productivity on your projects.

Alongside improvements to accuracy, and therefore efficiency, it also reduces the number of workers on site, helping to increase safety.

Our range of machine control solutions includes Leica, Trimble and Topcon products to hire or buy. We also provide a selection of machine safety devices such as proximity alert systems and movement restriction.

Our expert team are here to support you with a complete machine control solution. We provide:

- **Pre-project consultation** - We consult with you before your project to ensure you have the right equipment to suit you. This includes safety products including roll-over monitors and movement restriction.
- **Base station setup** - We can set up base stations before or during your project.
- Machine control data management.
- Site localisation.
- **Model Conversion** - We can complete this work throughout your project.
- **Support** - We provide expert technical support via our dedicated support team.
- **Installation** - Our experts arrive to your site and install your machine control, and uninstall at the end of your hire period.
- **Training** - Courses can be completed before or during your project, at your site, or at one of our training centres. This includes courses on GNSS and Coordinate Systems, Data Management and Machine Control training for Operatives.



3D LASER SCANNING

Laser scanners collect vast amounts of accurate spatial data using millions of individual point measurements. The resulting point clouds and imagery can then be used to create a digital 3D model, which can be utilised in a multitude of sectors, from construction and retail, to the film and tv industry.

Recent innovations in this technology have allowed for reality capture to become completely autonomous.

Our expert survey team are available to help you with a suitable solution for your needs. We can also support you with laser scan data processing and registration, and BIM.

We're also a BLK Premium Partner, meaning that we are able to work with Leica Geosystems to help deliver completely new methods of reality capture, with a connected approach designed to make the process more efficient and more flexible than ever before.





TOTAL STATIONS

Offering a complete site solution, Total Stations allow professionals of all technical abilities to perform accurate, efficient measurements with minimal fuss.

Take advantage of a range of accurate and reliable Total Stations, equipped with unsurpassed angle, distance and reflectorless technology, and with a powerful suite of onboard programs makes any surveying task easy.

We offer a full range of models to suit all levels of project requirements – from manual total stations to one person operated kits.

Our expert team can assist you with pre-project consultation designed to find the most suitable instruments for your work. If you are using your total station for remote monitoring work, we can assist with setup and provide you with support throughout your project.

GNSS (GPS)

Our GNSS equipment include state of the art technology from Trimble and Leica including Trimble's R12I and Leica's GS18T antennas.

Our GPS kit is excellent for a range of tasks including but not limited to, volume calculations, putting in control, setting out directly from CAD data and completing detailed surveys.





LASERS

Construction lasers, single or dual grade lasers, line and dot lasers, pipe lasers - we offer the full range of construction and civils lasers for use across a diverse range of applications and industries.

These instruments have aided in the success of ventures in construction, utilities, interior fittings and many other sectors, increasing productivity and aiding the efficiency of workflows to deliver projects on time and to specification.

LEVELS

We stock the most comprehensive range of surveying levels on the market and can assist you with advice and training to ensure you have the best tool for your project.

We offer digital Leica Geosystems with automatic (optical) levels and precise levels, all at extremely competitive prices – with no need to spend significant time in training.





DETECTION

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Whether you are looking for Cable Avoidance or Precision Location equipment, we have a wide range of instrument options to suit your project needs.

As a partner of SPX Radiodetection and Leica, we stock high quality CAT and Genny cable and pipe avoidance kits that are crucial to a wide range of excavation work, ensuring maximum site safety for ground workers.

We stock a comprehensive range of ground penetrating radar and detection equipment.

RAIL TECHNOLOGY AND MONITORING

Sunbelt Rentals provide you with a range of rail technology solutions for railway surveying, measurement and inspection.

We understand how important it is that your rail surveys are accurate, and our experts are on hand to help you achieve that goal, for a safer and more efficient railway. We ensure that you have the best quality equipment and expert advice to assist you throughout your project.

We are also experts in monitoring solutions for railways and other structures including buildings, bridges, dams and walls, for dependable movement detection.

Our equipment includes Total Stations, GNSS, CAT and Genny, Track Monitoring, and instruments to measure Rail Clearance, Height and Stagger, Track Geometry, Voids and Critical Rail Temperature.

Our rail courses are all run in addition to the existing survey equipment courses and are orientated towards the rail sector specifically. These courses are all run in our Heathrow Training Centre, which features an indoor track layout, allowing customers to efficiently and safely learn how to use all our rail equipment.





PROVIDING RENTAL PRODUCTS AND MANAGED SOLUTIONS INTO EVERY MARKET AND SECTOR



Flooring Solutions

Floor care and maintenance equipment to prepare, clean and maintain any floor, any size, anywhere



Lifting

Our solutions have been used on 7/10 of the tallest buildings in the UK



Energy

From fuel saving cleaner energy solutions to the latest stage v generators, we have a temporary power solution for every site



Tools

From battery powered hand tools to compressors, compactors and cleaning equipment we offer a wide range of tool hire that's local to you



Powered Access

The combined height and reach of our equipment can transport you safely over 50,000 metres



Plant

The widest range of plant including the latest stage v and battery powered machines in the UK



Plant Attachments

The sole UK distributor for several of the world's leading attachment manufacturers



Survey

Industry-leading supplier of land survey and precision measurement technologies



Test & Monitoring

Europe's leading test equipment specialists since 1996



Industrial

On your site to meet the demands where every second counts



Utilities

The UK's largest specialist Utility hire company



Safety & Communications

Knowledgeable and experienced specialists in this field



Trakway

Award winning engineered access and ground protection solutions



Traffic Management

24/7 national coverage with operations covered by QEHSS accreditations



Barriers & Fencing

Crowd control and perimeter security solutions



Film & TV

From cameras, grip and lighting to backlot infrastructure



Non-Mech

Essentials for every site; fencing, barriers, trenching, ground protection, vehicle and pedestrian control solutions



Rail

We support the Network Rail and Transport for London infrastructure



Hoists

We hold over 10km of mast sections, enough to scale London's Shard building over 32 times



Formwork & Falsework

We are the exclusive hire supplier of MEVA products in the UK



Training

Dedicated Health and Safety training to qualify our own people and our customer's people



Lighting

The UK's largest fleet of state-of-the-art tower lights, including a wide range of solar, hybrid and plug-in options



Climate Control

Economical and efficient temperature control and HVAC solutions



Accommodation

24/7/365 call out facility covering 20,000 items on fleet



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