

The background features a light grey architectural wireframe of a city or building complex. A large, solid green shape is on the left side. In the top right corner, there is a logo consisting of a green square with a white 'G' and several smaller green squares connected by lines. A thick green line starts from the bottom right, loops around the center, and ends near the top right.

greenhatch

group



Surveying that measures up



greenhatch group



Established in 1988 Greenhatch Group has been and continues to be, a source of high quality topographical and measured building survey information across the construction and development sectors. The group has grown to encompass all aspects of measured surveys, and has survey engineering & 3D scanning divisions with a dedicated Revit and Building Information Modelling department. Greenhatch Group employs more than 75 staff over 4 offices in two countries.

Disciplines within the Group include:

- Topographical Surveys
- Measured Building Surveys
- 3D Laser Scanning
- Revit Modelling
- Building Information Modelling (BIM)
- Engineering & Setting Out Services
- Underground Utility Surveys
- Rail Surveys



We believe that accurate clear and quality measured survey information is not only the reason our clients return to Greenhatch, but also our strength in communication and the strong relationships we develop with our clients.

We provide services to many market sectors including:

- Commercial
- Retail
- Residential
- Leisure
- Education
- Health
- Construction
- Development
- Infrastructure
- Railways
- Heritage



Our current client base includes local and national:

- Architects
- Consulting Engineers
- Building Contractors
- House Builders
- Planners
- Developers
- Landscape Architects and Garden Designers
- Local Government
- Private Individuals



Topographical Surveys

Greenhatch Group understands that sites can come in all shapes and sizes and the company always responds to projects no matter the size, large or small.

We constantly provide topographical surveys on sites ranging from single building plots to multi-acre development sites, from farm tracks to motorways and small domestic gardens to National Parks.

We cover many aspects within this division

- Topographical Surveys
- Hydro/ Section Surveys
- Photo-montage Surveys
- Land Registry Compliant Plans
- Boundary Disputes
- Infrastructure Surveys



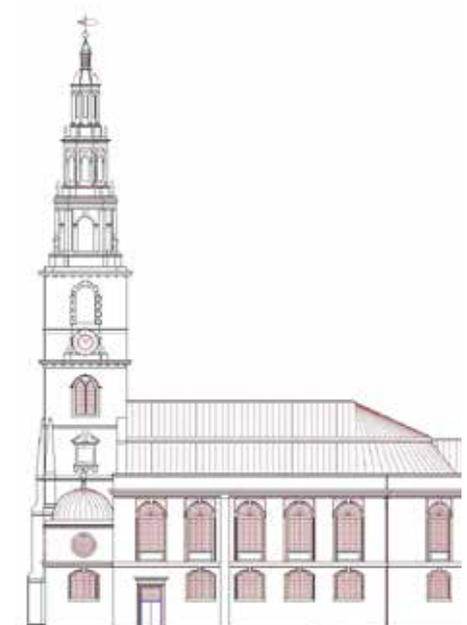
Measured Building Surveys

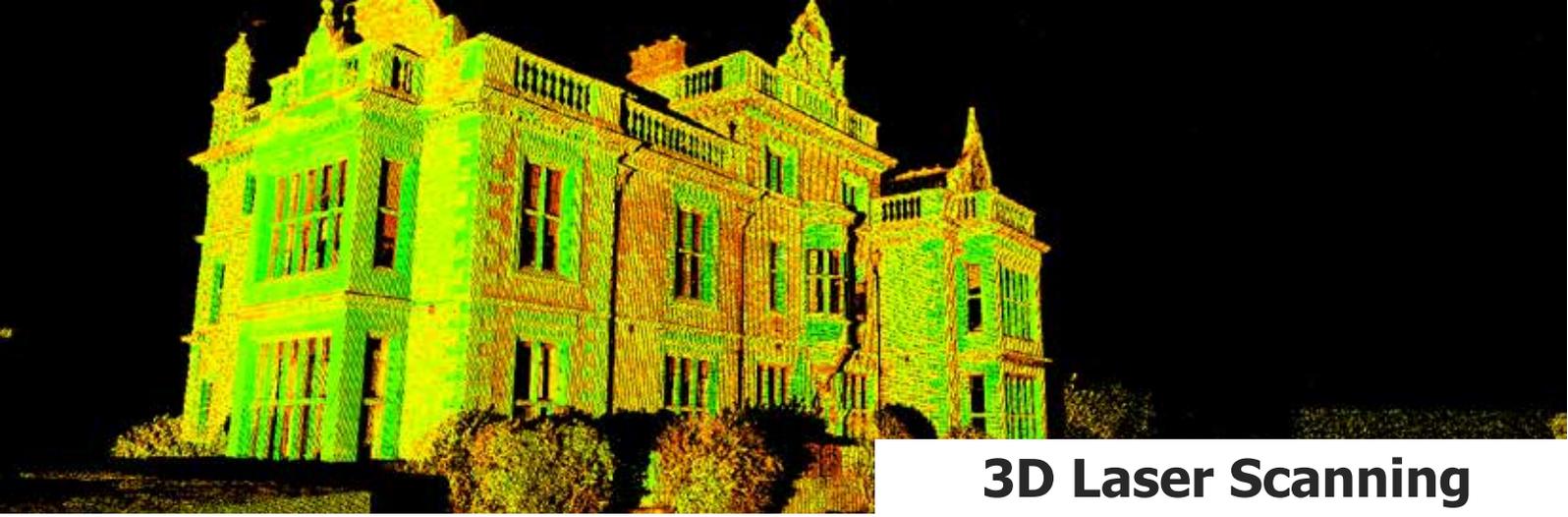
The Building Survey Division within Greenhatch Group undertake measured surveys on all types of structures and properties.

Projects undertaken range from single terraced properties through to large shopping centres, schools, commercial offices and multiple property portfolios.

As we are able to deploy multiple survey crews we can complete surveys that have restricted timeframes easily, such as schools, and with our three offices situated through the main spine of the country any site within the UK is accessible within a couple of hours.

- Floor Plans, Elevations, Sections
- Rights of Light Surveys
- Area Calculations and Reports
- Lease Plans
- AVR's (Accurate Visual Representation)
- Photographic Surveys and Virtual Tours





3D Laser Scanning

Greenhatch Group has vast experience within the field of 3D Laser Scanning, being one of the first surveying practices in the U.K. to purchase and utilise the original and ground-breaking Cyrax Laser Scanning System.

3D Laser Scanning technology is utilised throughout all the various disciplines as a way of providing high quality and accurate data whilst at the same time providing efficient and time saving solutions on site.

Millions of measurements are captured on site by the laser scanner creating a 3D point cloud, this data can be issued in various formats.

We are proud to have been selected by English Heritage to provide Metric Services using Laser Scanning technologies and within the last 2 years we have also provided similar services for the sister organisation, Historic Scotland.

Benefits:

- Cost & time savings
- Accurate data collected
- Measurements collected remotely - ideal for sites with Health & Safety restrictions
- Reduced site re-visits



Coloured 3D Point Clouds

Utilising the Z+F M-Cam, motorised and calibrated camera solution, both our Leica HDS 6200 & Z+F Imager 5010 phased based scanners can capture high resolution point cloud data that can be coloured to provide exceptionally high quality coloured 3D point clouds.

In the field, images are saved to the scanners internal hard drive together with calibration statistics, enabling accurate and realistic imaging to be overlaid on to each separately acquired laser scan.



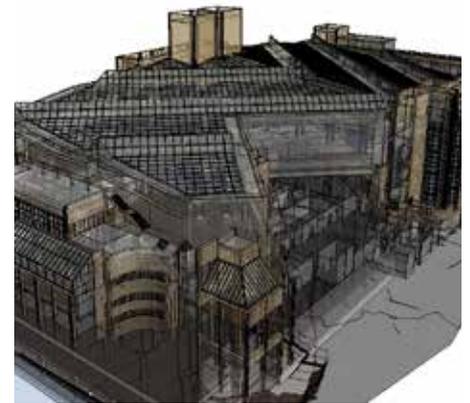
Revit & BIM Modelling

With the use of the Autodesk Revit Architecture Suite, the Greenhatch Group can provide conventional survey drawings in a single foundation data base, providing 2D and 3D views along with area and material schedules.

In addition, by utilising modern site data capture methods such as 3D laser scanning, Revit point cloud tools can connect laser scans directly into the Building Information Model (BIM) process, helping to accelerate the production of As-built drawn data.

The main advantages of Revit Based Building Information Models are:

- Bidirectional Association (2D & 3D Visualizations)
- Scheduling (scheduling of any materials, surfaces and areas)
- Design Visualization (surface materials & rendering applications)
- Performance (memory intensive tasks are instantaneous)
- Built specifically for BIM (an integrated process for reliable data)



Engineering Surveys

Greenhatch Engineering department offers a wide range of services to facilitate any engineering projects.

- Site Setting out services
- Verticality checks of steel work, concrete structures
- Precise monitoring
- Façade monitoring
- Primary control establishment
- Establishment of main grid lines and level datums
- As-Built surveys post construction
- Trouble shooting/ error problem solving
- Floor Slab deformation surveys





Greenrail Solutions Ltd is a company set up within Greenhatch Group that specializes in rail survey projects; it offers a wide range of surveying services to facilitate any project with full accreditation through link-up.



- Track geometry and gauging surveys
- Structure and tunnel profiling
- OHLE height and stagger surveys
- Level crossing surveys
- As-built surveys
- Tramway surveys
- Survey and monitoring software
- HDS laser scanning surveys and data processing
- GPS linear control networks for railways
- Fully automated and manual monitoring systems
- Railway Surveys

Utility Surveys

Through Partner Companies Greenhatch Group is able to offer a full and comprehensive Utility Surveying service which covers all elements of utility tracing from GPR/CCTV survey to the procurement of utility service records.

Services we include are

- Utility Mark Out
- Utility Mapping
- CCTV Condition Surveys.
- Utility Record Searches
- Petrol Forecourt Utility Tracing
- Borehole & Trial Pit Clearance
- Ground Penetrating Radar Surveys (GPR)



Hydrographic Surveys

We offer a wide range of hydrographic and bathymetric surveying services. Utilising the most up to date remote sonar surveying technology, along with inflatable boats and rope access teams, has enabled us to deliver a valuable service to our clients.

- Watercourse Cross Sections
- Pond, Lake and Reservoir Surveys
- Harbour Surveys
- Watercourse Structure Surveys (Measured)
- Data available in EA format, ISIS and HECRAS formats.



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