

# Plowman Craven



[plowmancraven.co.uk](http://plowmancraven.co.uk)



WELCOME TO PLOWMAN CRAVEN

One of the world's  
leading geomatics companies  
employing innovative  
surveying solutions



## ABOUT PLOWMAN CRAVEN

Plowman Craven is a leading chartered survey company offering a broad range of professional measurement services. We work closely with our clients so we can fully understand and respond to their individual needs, achieving objectives with an expected high standard of quality and service.

Our extensive services cover numerous markets including rail, urban regeneration, retail, commercial property, police & entertainment. Innovation and a thoroughly professional approach enable us to offer measurement expertise at every stage of a project.

We have unrivalled experience of serving the property sector providing the highest standards of service, integrity and performance. The Property team are involved in many aspects of property measurement from topographical surveys to area referencing. Accurate measurements, the use of modern technology and timely delivery all contribute to a cost effective measurement approach. By combining our services it has the ability to save time and money.



Plowman  
Craven

The image shows two surveyors in high-visibility yellow safety vests and white hard hats. They are positioned on a grassy area with a city skyline in the background. One surveyor is operating a total station instrument mounted on a yellow tripod. The other surveyor is holding a control device. The vest of the person on the left has the name 'Plowman Craven' printed on it. A small blue rectangular graphic is present in the upper right corner of the image.

## WHY USE PLOWMAN CRAVEN?

- We have skilled and specialist surveyors to accommodate any measurement project
- Operating worldwide, our highly qualified and motivated team make a difference by providing timely, collaborative, accurate solutions to meet clients requirements.
- Our resource access allows us to respond quickly with experienced technical personnel to provide measurement solutions, no matter the size of the project or how challenging.
- You can use a single service or utilise a combination of our services
- A reputation for accuracy and a professional attitude



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## OUR SERVICES

- Area Measurement
- Measured Building Surveys
- Lease Plan and Boundary Surveys
- Topographical Surveys
- Engineering Surveys
- Underground Utilities Mapping
- 3D Laser Scanning
- Rights of Light
- Monitoring & Risk Management
- Heritage Recording



**The Museum of the Mind**  
The British Museum's new exhibition

## MEASURED BUILDING SURVEYS

Plowman Craven is firmly established as one of Europe's leading measured building survey experts.

Using a wide range of the latest technology including 3D laser scanners and reflectorless Total Stations linked to tablet PCs for real time data analysis; Plowman Craven's services can provide a solution for all your building plan needs.

- Floor Plans
- Elevations
- Sections
- 3D Models (REVIT compatible, Wireframe, Solid, Surface, Architectural Detail)
- Energy Performance Certificates (EPC)
- Space Planning Surveys
- Licensing Plans
- TruView instant point cloud access
- 3D Plant Refurbishment and Replacement Models



## TOPOGRAPHICAL SURVEYS

Plowman Craven has staff highly skilled and efficient in producing topographical surveys for every range of location.

We use Integrated total stations and GPS to capture data either in 2D or 3D with the output in a range of formats. Topographical surveys can be developed further by producing 3D models of areas of interest either for ongoing planning applications or for visualisation purposes.

- GPS Primary Control Establishment
- Aerial Mapping
- Small and Large Scale Topographic Surveys
- Digital Terrain Models



## UNDERGROUND UTILITIES MAPPING

Our specialist in-house utilities division, ElectroDetection, offer a range of utilities mapping solutions. Using state-of-the-art technology we are able to accurately trace, identify and map all underground utilities and service routes including gas, water, telecommunications, electricity and drainage.

Plowman Craven offer the following services to meet your needs whether in the early planning stage or during construction, these include:

- Electronic Service Tracing
- CAT Scanning
- Drainage Identification
- Ground Penetrating Radar
- CCTV
- External and Internal investigations
- Confined Space experts
- 3D Services Survey



## AREA MEASUREMENT

The specialist property team at Plowman Craven offers considerable experience, a reputation for accuracy and the wide ranging expertise in area measurement.

Whether it is city offices, industrial sheds or high street retail units our area referencing team provides cost effective measurement using the most up-to-date technology operating within tight deadlines.

- Net Internal Area (NIA)
- Gross Internal Area (GIA)
- Gross External Area (GEA)
- Retail Zoning (ITZA)
- Portfolio Measurement
- Independent Duty of Care
- RICS Code of Measuring Practice
- BOMA ,GIF (DIN 277), NEN 2580



## RIGHTS OF LIGHT

Plowman Craven has worked closely with many of the UKs leading exponents of Rights of Light analysis on numerous major development projects. Plowman Craven offers

- Measurement data in 2D or 3D formats ('footprint plans', elevations and roofscapes)
- Fast track surveys ensuring minimal delays at any design and concept stage.
- Careful structuring of the data so that subsequent phases to the project have common grids and datums in which all parties may have confidence.

Plowman Craven's Rights of Light survey specialists always work closely with those analysing and reporting on the data thus ensuring that the reports delivered to developers maximise the potential for their site.



## HERITAGE RECORDING

Plowman Craven have been providing the expertise and the experience to help preserve the world's heritage since 1964. Our clients at home and abroad demand cost effective solutions to the myriad of recording problems that they face in this demanding sector.

Our services range from the traditional to the highly technical delivery, these include:

- Terrestrial Photogrammetry
- Close Range Scanning
- Archaeological Data Capture
- Conservation Surveys
- Digital Orthophotographs
- Textured 3D Models
- Photo Realistic Architecture



## LEASE PLAN AND BOUNDARY SURVEYS

The production of lease plans, and indeed other property title plans, has been a service regularly provided by Plowman Craven to both commercial property clients and the legal profession since the 2002 Land Registration Act came into force.

Our considerable survey experience coupled with a close working relationship with the Land Registry has facilitated the production of lease plans across the entire spectrum of property types.

As a chartered survey company regulated by RICS, we offer professional expertise in the survey and reporting of property boundaries.

- Lease Plans
- Land Registration Act 2002
- Boundary Dispute Resolution
- Expert Witness
- Licensing Act 2003
- Conveyance Plans
- Defining Boundaries

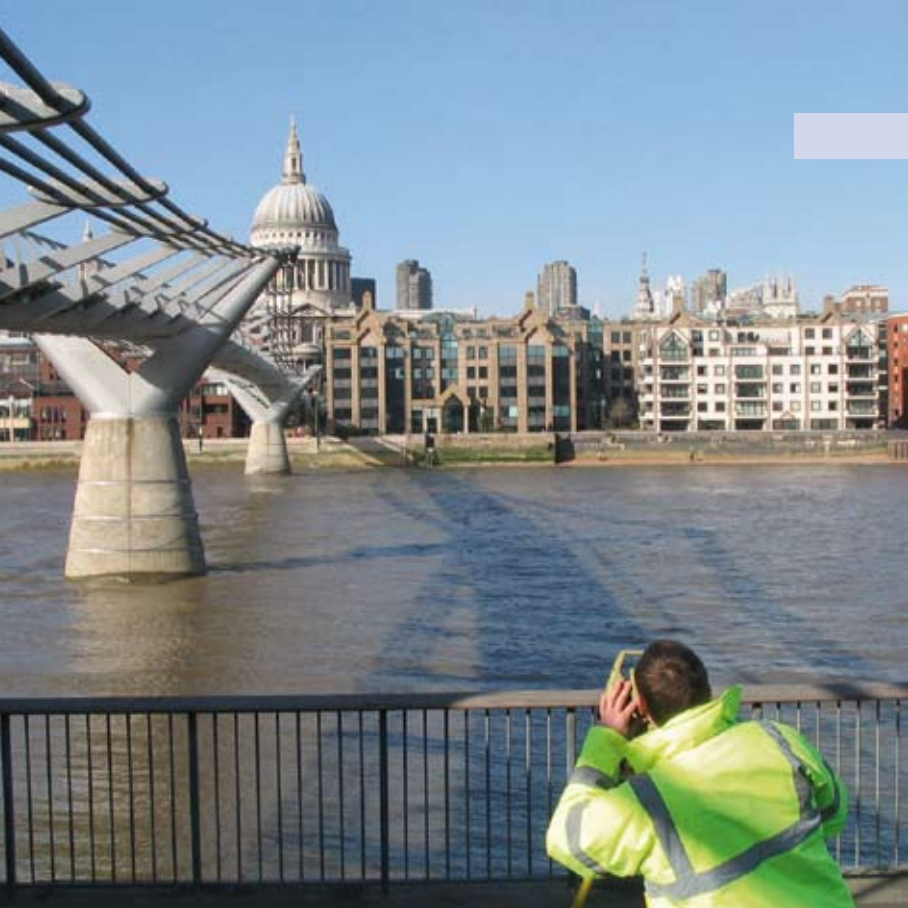


## ENGINEERING SURVEY

Construction projects requiring a high level of engineering surveying benefit from having Plowman Craven involved.

Our highly trained and experienced Engineering Surveyors, utilising the latest surveying technology, are involved in every stage of a project from initial concept through design and construction, to monitoring the condition and performance of the completed structure.

- Setting Out
- As-built Surveys
- Construction Assessment
- Specification Checks
- GPS Primary Control Establishment



## MONITORING & RISK MANAGEMENT

Risk avoidance is crucial to the success of multi-billion pound projects and where there is a possibility of damage or movement occurring to surrounding infrastructure or buildings monitoring regimes will need to be in place. Plowman Craven has an established reputation among the UK's leading engineering consultants and construction groups to provide the monitoring services and systems required to ensure a piece of mind during construction.

- Geospatial Surveying (Automated and Manual)
- Deformation Monitoring
- Precise Levelling
- Tiltmeters & Electrolevels
- Extensometers
- Strain Gauges



## 3D LASER SCANNING

Laser scanning creates an organised, highly accurate, digital representation of a subject quickly and efficiently. Generating 3D data rapidly and in great detail it can be used for many applications. Plowman Craven are at the forefront of innovation in this technology by utilising the latest 'state of art equipment' and providing bespoke solutions to meet client requirements.

- 3D Point Clouds
- 3D Models (REVIT compatible, Wireframe, Solid, Surface, Architectural Detail)
- TruView instant point cloud access
- 3D Visualisations
- 'Point-in-time' archive, for heritage recording and reinstatement
- Remote Access surveys .



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**Peter Folwell**

+44 (0)7967 501074  
pfolwell@plowmancraven.co.uk

**Mark Howells**

+44 (0)7984 123162  
mhowells@plowmancraven.co.uk

**Andy Lane**

+44 (0)7984 123094  
alane@plowmancraven.co.uk

email [post@plowmancraven.co.uk](mailto:post@plowmancraven.co.uk)  
[plowmancraven.co.uk](http://plowmancraven.co.uk)

**London Office**

Telephone +44 (0)20 7490 7700

**Plowman Craven**

