

One map, so many uses.

The information contained in the many layers of UKMap is capable of supporting a vast range of applications.

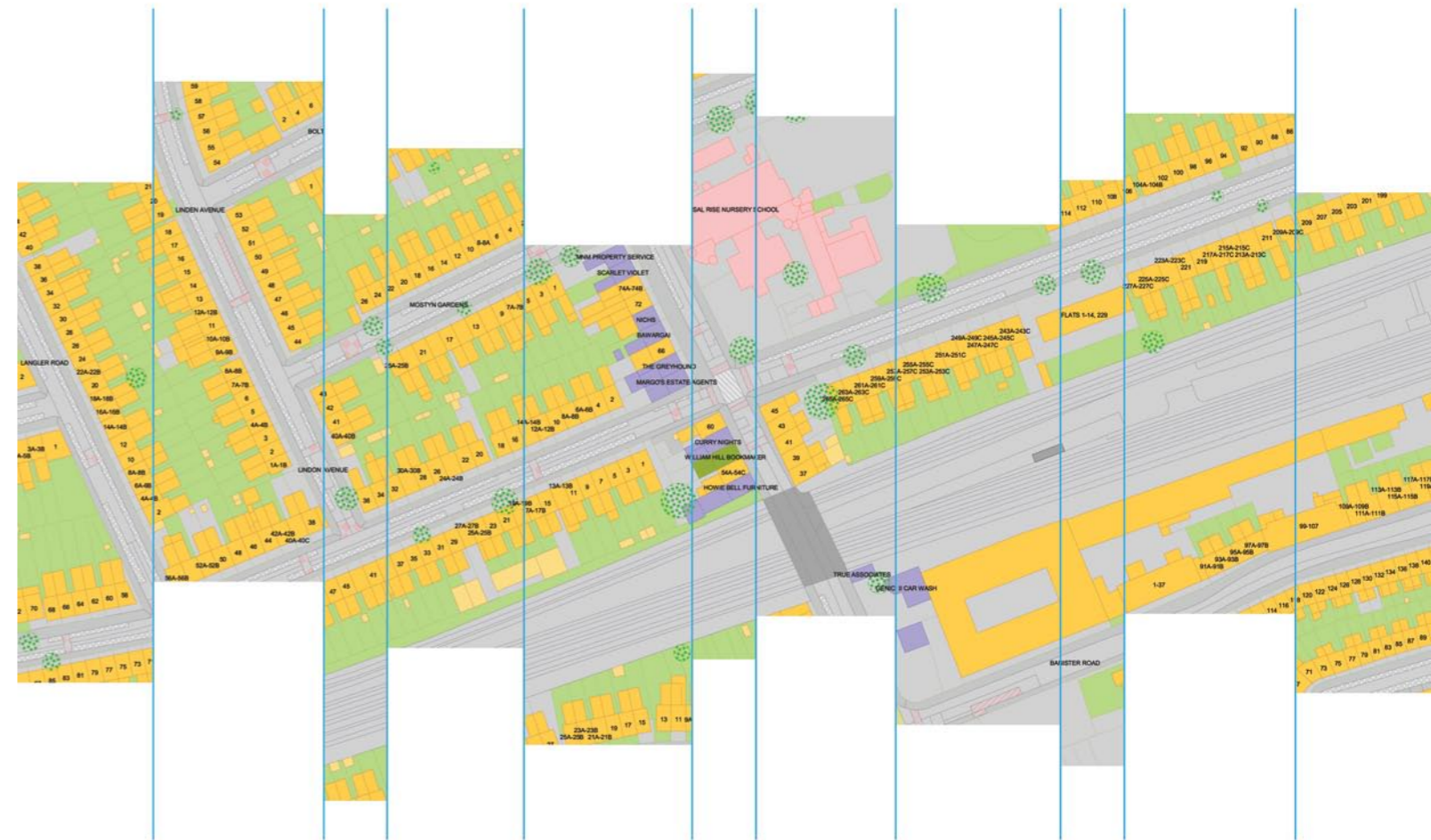


Here's just a selection:

- Master Planning
- Asset management
- Highway management
- Traffic management orders
- Planning applications
- Property management
- Tree preservation orders
- Safe routes to schools
- Local development frameworks
- BLPU mapping
- Flood modelling
- Urban design
- Retail analysis
- Land use studies
- Open space mapping
- Health monitoring
- CCTV location planning
- Crime and incident analysis
- Carbon emission mapping
- Customer service operations
- Surface drainage
- Tourist and points of interest mapping
- Telecommunications network planning.

UKMap[®]

Mapping your way



Start mapping your way with UKMap.
To discover more and to request a sample
go to www.theukmap.co.uk
or call **01223 880077**.

Why choose UKMap?

UKMap with its flexible licensing, regular updates and change reporting system helps you to work more effectively.



Ongoing Maintenance

UKMap uses three different, inter-connected levels of maintenance:

Level 1

Full revision of the base mapping through a three year re-flying cycle supported by a full field revision.

Level 2

Local change identified through the planning system, and updated from spot aerial surveys or ground surveys. Retail sites are revisited every 12 months.

Level 3

Local change identified by Change Partners, who provide information on change against an online version of the database.

“Receive quarterly updates with our maintenance plans.”

Those opting for maintenance receive a quarterly update; typically this is the delivery of the full database not just change only updates.

Online Change Reporting

One of the most exciting developments for UKMap is our online change reporting system.

Users of UKMap can contribute to the change process by becoming a Change Partner and providing information on the location and type of change.

Change Partners will see how we intend to respond to that change and when it will be added to the database.



Training and Support

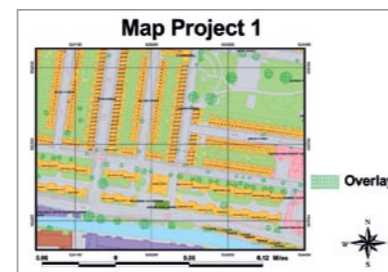
UKMap is supported by a comprehensive training programme, authored and delivered by Training4GIS, a division of The GeoInformation Group.

The programme offers a range of training methods, from workshops to downloadable tutorials, enabling you to make the most of your investment in UKMap.

Data Licensing

UKMap has been designed with the end user in mind. Its flexible licence allows you to own the derived data you create when using UKMap.

You can share, publish and reproduce data to make your information more accessible, enabling you to keep the investments you make using UKMap.



Business Benefits

UKMap offers immediate benefits that deliver realistic returns on your mapping investment. For example, flexible licensing and ownership of derived data, cost savings on other products and internal processes and improved decision making based on a single integrated suite of mapping products.

“UKMap is the ideal map for the way we do business today.”

Data Delivery

UKMap is available through an online and offline service in a range of common industry formats that can be easily read and imported into your systems.

These include ESRI®, MapInfo®, Autodesk® and Oracle®.

Mapping your way with UKMap.

UKMap offers a reliable and accurate map base to help us understand and keep pace with our changing world.



What is UKMap?

UKMap is a modern, highly detailed and feature rich mapping database that is free from Ordnance Survey® copyright. Its innovative design offers users a flexible choice of integrated map layers within a single product.

Based on 1:1,000 scale topographic mapping, UKMap accurately locates buildings, garages, property boundaries, roads, trees and a multitude of other features.

What's more, it comprises addresses, retail names including above ground usage, building heights, a wide range of points of interest as well as aerial photography and a Digital Terrain Model.

“Licensing options make UKMap the map of choice.”

All this, plus straightforward licensing options, makes UKMap the map of choice across a wide range of organisations and business applications.

How is it Created?

UKMap's topographic features have been digitised at a 1:250 scale using high resolution stereo orthorectified aerial photography scans from Cities Revealed®.

“The content is collected by dedicated field teams.”

The content has been collected by dedicated teams of field surveyors walking every street, park and industrial estate; in fact, everywhere with public access.

This information is collated and formatted into the UKMap database.

The intellectual property rights of UKMap are owned by The GeoInformation® Group.



Data Structure and Accuracy

To keep things simple and aid compatibility with modern databases we have created the UKMap topographic data with only polygons and points; ensuring that there are no overlaps and no gaps.

UKMap has a target accuracy of $\pm 1\text{m}$ (RMSE within 98.5% confidence limits).



Unique Classification Code

Every polygon and point has a Unique Classification Code (UCC) associated with it. This is a 30 digit code that is created from the many attributes and features making up that point or polygon.

These are:

- FTC Feature Type Code
- FCC Feature Classification Code
- GET Geographic Entity Type
- GTN Geographic Type Number (unique)
- SRC Source of Feature
- DFE Date of Feature Edit.

The UCC is used to describe and display every point or polygon in UKMap.

The UCC links the polygons and points to the tables; one for addresses, one for points of interest and one for building heights.

The multi-layered intelligent map base.

UKMap is made up of two product suites: Topo, comprising eight map layers and Thematic, a 1:5,000 scale map layer with annotations for web use.

Base

A 1:1,000 scale topographic map with road markings, buildings, garages and sheds, property boundaries, aggregated into basic land and property units, vegetation, industrial complexes and man made structures.

All features have a land use classification for improved map display and analysis.

Overlay

A 1:1,000 scale vector map of overlapping topographic features, such as tree canopies, walkways, and power lines.

The first level of all multi level retail centres are stored in this Overlay layer.

Points

The Points layer provides the linkage between the attribute tables of UKMap (Addresses, Heights and Points of Interest) and the polygons of the Base and Overlay layers.

The Points layer also contains a location for other features such as the location of roads and feature names.

Addresses

The address data follows the principles of BS7666 and contains two related tables: UCC to Basic Land and Property Unit (BLPU) and BLPU to Address.

The address database holds recordable addresses for every publicly accessible building with road name, secondary road name and area included.

Address ranges are included for improved cartographic display.

Points of Interest (POI)

Provides attributes for geographic and non geographic features. Each feature is classified into one of 18 categories, for example transport facilities, Central & Local Government, community, sports & leisure, retail, and regional, local and street names. Each POI is supplemented where necessary with additional information such as name and description of feature or location.

Retail POIs have additional information to describe the type of retail activity.

Heights

Three height values are provided for every building element, with a height difference of $\pm 3m$. This is the height of the base and the top of the building above sea level and the difference to give the height above local ground.

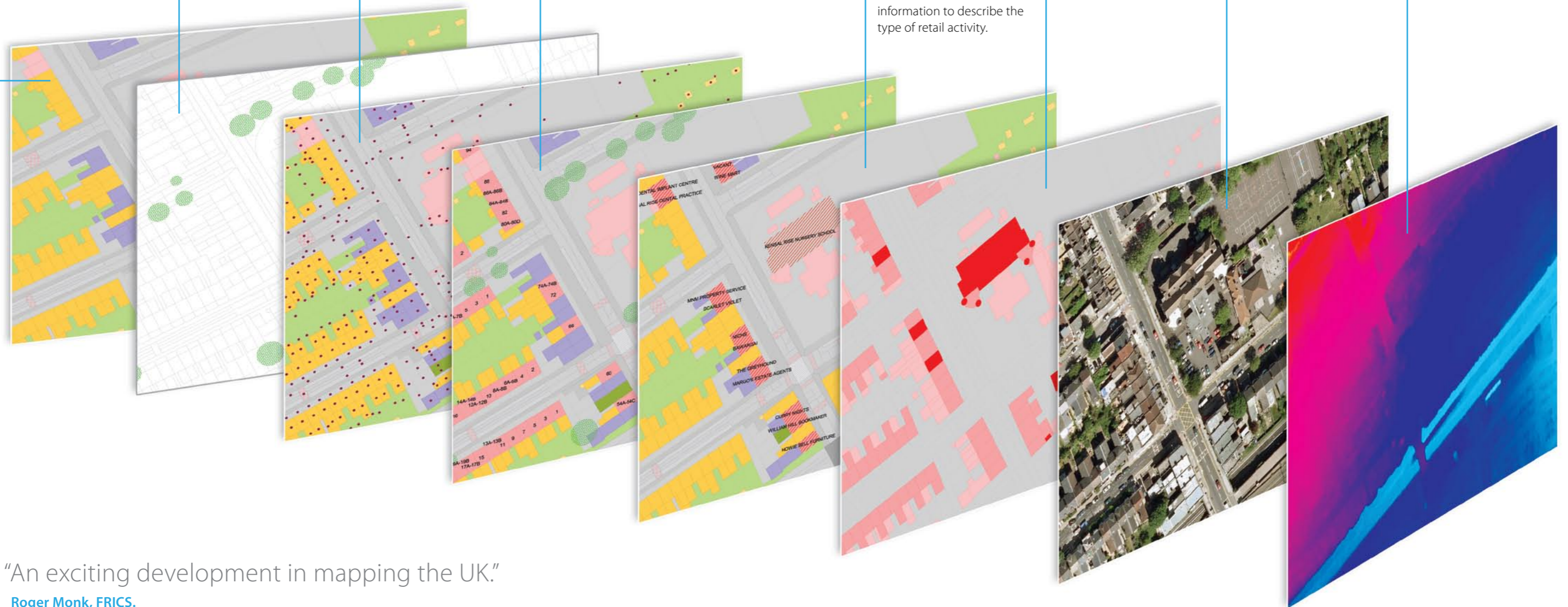
Height data are derived by extracting values from LiDAR or aerial photography.

Ortho

UKMap comes complete with a 12.5cm high resolution, full colour, ortho rectified aerial photography layer.

Terrain

To complement the Ortho photography layer a 5m resolution Digital Terrain Model (DTM) is provided as part of UKMap. The DTM is derived from either high resolution aerial photography or LiDAR.



“An exciting development in mapping the UK.”

Roger Monk, FRICS.

“UKMap represents a revolution in mapping and brings the provision of large scale mapping in the UK into the 21st century.”

Alisdair Maclean, London Borough of Brent.