

CASE STUDY



Centre Point

Client: Almacantar



About Centre Point

Centre Point is set to be re-established as a premium London landmark when completed in 2017 and transformed to a new residential, restaurant and retail destination.

With unrivalled views of London, Centre Point is located in the most connected part of London, thanks to the upcoming arrival of Crossrail and the new Tottenham Court Road station.

Related Services:

Area Referencing; Measured Building Surveys; Structural and Environmental Monitoring

Related Markets:

Offices, Industrial and Residential; Retail; Urban Regeneration

In 2011, Plowman Craven was approached by Almacantar to undertake a full measured survey of the Centre Point Development in advance of planning.

We've been involved in this prestigious redevelopment in the heart of London ever since, delivering a wide range of surveys at Centre Point Tower, Centre Point Link and Centre Point House including;

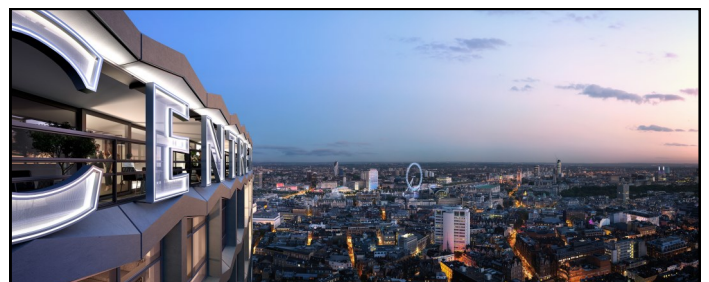
- Measured building surveys
- Area referencing surveys
- Movement monitoring surveys
- High Accuracy Relief Mapping
- Environmental Monitoring

In addition, we worked closely with the project design team to develop a bespoke product completely tailored to their needs.

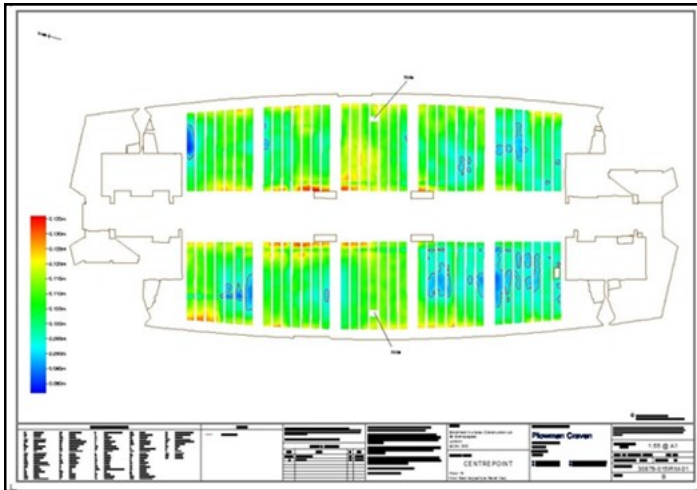
The design team had a requirement for precise measurement to define undulation of slab and slab thickness for every floor of Centre Point Tower, including traditional high accuracy measured building products for all buildings.

Utilising highly accurate P40 laser scanning technology, Plowman Craven developed a bespoke technical solution and produced a variety of Digital Terrain Models (DTM).

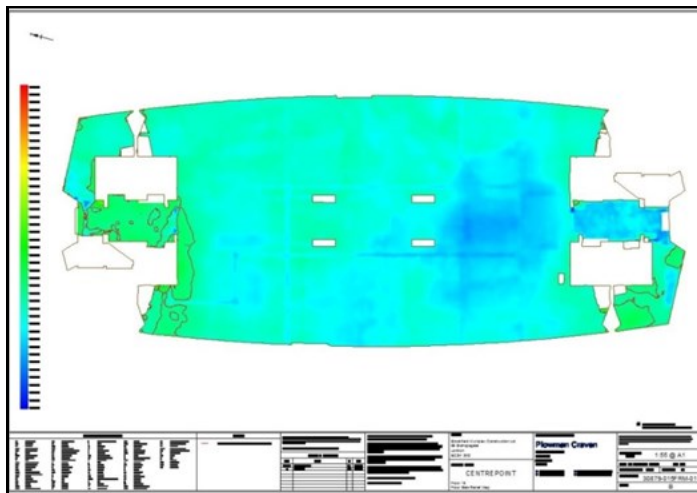
To produce the DTM's, a grid featuring approximately 17,000 levels was extracted, measured at 50mm spacing. These DTM's featured contour shading at 1mm increments which allowed for the individual layers to be masked for interrogation by the client.



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Example of Floor Slab Isopachyte (Slab Thickness) Relief Map.

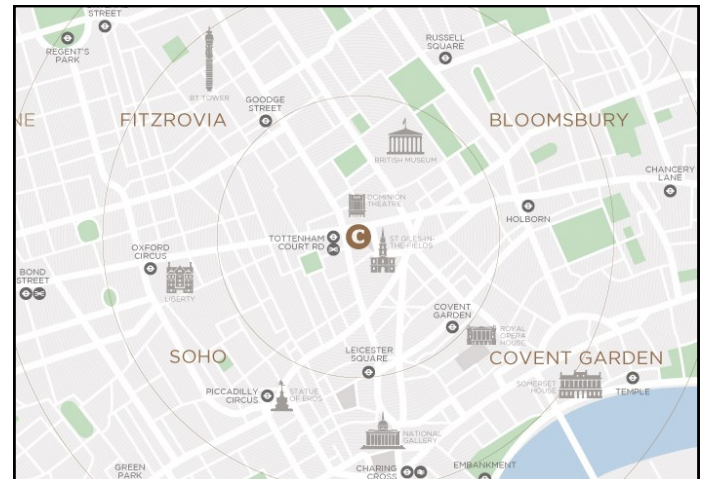


Example of Floor DTM Relief Map.

For each floor, a dense level grid was also created based on the DTM and presented at 250mm spacing with identification of specific high/low spots.

These products enabled the design team to maximise the use of space, whilst maintaining the structural integrity of this iconic set of buildings.

Plowman Craven continues to work closely with Almacantar through the construction phase of the project.



Centre Point is located in the most connected part of London.

About Plowman Craven

Plowman Craven provides integrated measurement and consultancy services to the property and infrastructure markets, pioneering the use of technical innovation to deliver proven expertise and trusted results throughout the project lifecycle.

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