

GeoRadar Uncovers Hidden WWII Bunkers Beneath London Streets Using Advanced GPR Utility Mapping PAS 128 Survey Standards

Geo-Radar Ltd Discovers Hidden WWII Bunkers Beneath London Pavement Using GPR and PAS 128 Survey Standards

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/EINPresswire.com/ -- In the heart of London's historic landscape, Geo-Radar Ltd has made a remarkable discovery beneath the city's pavements: underground voids leading to forgotten WWII bunkers, hidden in

plain sight for over 80 years. Using state-of-the-art Ground Penetrating Radar (GPR) and PAS 128-compliant utility mapping techniques, Geo-Radar is not only ensuring safer excavations—but also unearthing fragments of wartime history buried beneath the capital's busy streets.

<https://geo-radar.co.uk/>

“

GPR technology, we identified a hidden wartime bunker beneath a London pavement. It's a powerful reminder of how much lies beneath our feet—and how vital accurate subsurface mapping really is.”

David Green

The project began as part of a routine GPR utility survey to identify subsurface hazards under a London footway prior to essential street works. However, the high-resolution scans revealed something extraordinary: a large, structured void, prompting further investigation.

<https://geo-radar.co.uk/gpr-surveys-southampton>

□ Precision Meets the Past

Utilising Leica DS2000 GPR systems and Trimble GNSS technology, Geo-Radar surveyors mapped the anomaly in

real-time, capturing its scale, structure, and depth. The shape and dimensions closely matched wartime-era civil defence shelters—specifically air raid bunkers constructed beneath strategic city zones during World War II.

“What began as a utility risk survey quickly became a journey into history,” said David Green,



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Senior GPR Surveyor at Geo-Radar Ltd. “By applying PAS 128 methodology, we were able to verify the void’s location, size and alignment without disturbing a single paving slab. The precision of the data pointed to an intact wartime bunker—still hidden beneath the surface.”

□ PAS 128: The Survey Standard That Changed the Game <https://geo-radar.co.uk/gpr-surveys-horsham>

Geo-Radar’s use of PAS 128:2022 guidelines—the gold standard for underground utility detection in the UK—was key to identifying the void accurately and safely. This structured approach involves:

Desktop utility record searches (Type D) <https://geo-radar.co.uk/>

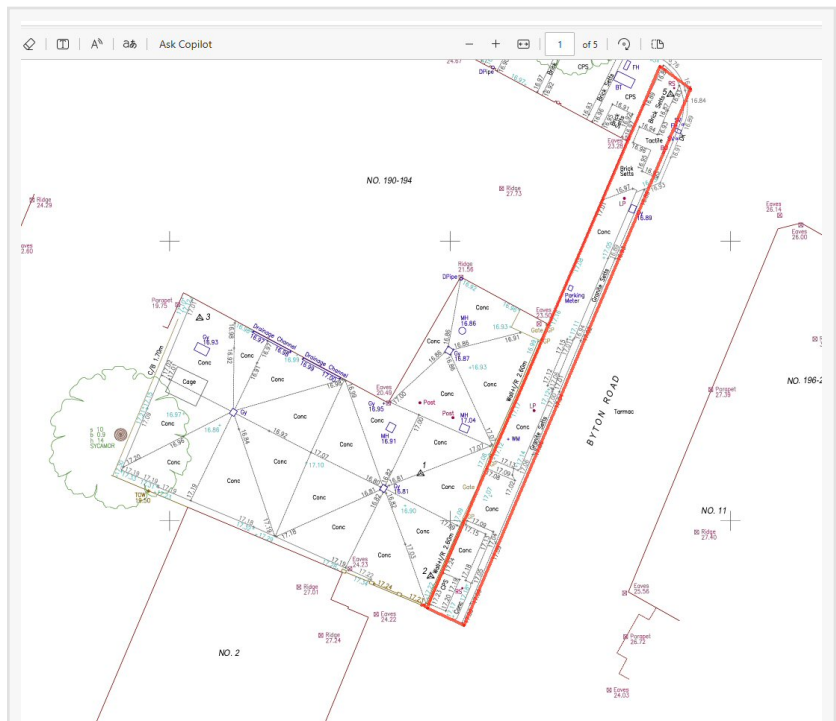
Site reconnaissance (Type C)

Non-invasive detection (Type B) using GPR and EML

Post-survey data validation and classification

In this case, the team performed a Type B survey with a B4 confidence level, combining GPR with electromagnetic locators and digital mapping tools. The result: a high-confidence detection of non-metallic underground features, such as voids or reinforced concrete shelters.

“PAS 128 doesn’t just help us find utilities—it helps us rule out risks, map voids, and avoid surprises,” added Green. “In this case, it helped us uncover a piece of London’s wartime infrastructure.”



Utility Mapping Surveying



Speed is Key to Utility Mapping Highways or Pavements.

□ What Lies Beneath London?

London's streets hide more than just gas pipes and telecom cables. From old cellar voids and disused tunnels to bomb shelters, cisterns, and forgotten infrastructure, the underground landscape is a patchwork of the city's past. Discovering buried voids in densely populated areas isn't uncommon—but verifying their purpose and ensuring safety requires expertise.

Geo-Radar's survey was conducted in a high-footfall pedestrian zone where safe excavation planning was essential. Had the void gone undetected, roadworks or construction may have led to structural collapse or worker injury.

"This is why non-intrusive GPR surveying is essential—not just for asset protection, but for public safety," said a Geo-Radar project manager. "Our role is to see what others can't, so that cities can grow without compromising what lies beneath." <https://geo-radar.co.uk/utility-surveys-berkshire>

□ Mapping the Future with GPR

With over a decade of experience in utility detection, void mapping, and sub-surface imaging, Geo-Radar Ltd serves engineering firms, local authorities, transport agencies, and heritage consultants across the UK. <https://geo-radar.co.uk/gpr-utility-survey-surrey>

Key services include:

PAS 128 [Utility Surveys](#) (Types B, C, D)

Void Detection & Mapping

3D GPR Imaging & Geophysical Interpretation <https://geo-radar.co.uk/>

Topographical & Measured Building Surveys

Safe Dig Plans & CAD Drawings

Heritage-Sensitive Subsurface Investigations

Whether working on EV charging site prep, smart city infrastructure, or emergency void detection, Geo-Radar delivers precision data that supports informed decisions and safer construction.

□ A Moment of History, Preserved Through Technology

The discovery of the WWII bunker was not only logged for safety, but also reported to the local heritage authority for review. In collaboration with structural engineers, the void's integrity was assessed and stabilised—ensuring the site remained safe for ongoing works without damaging its historic value.

<https://geo-radar.co.uk/utility-surveyors-pas128>

Geo-Radar continues to work with stakeholders to map additional anomalies in the surrounding area, potentially uncovering more hidden wartime remnants.

"It's an honour to bring history to the surface through modern technology," said Green. "We don't just locate utilities—we help preserve legacies."

□ About Geo-Radar Ltd

Based in the UK and serving clients nationwide, Geo-Radar Ltd specialises in non-intrusive subsurface investigation, offering high-accuracy utility and void detection services across construction, infrastructure, and heritage sectors. Fully PAS 128 compliant and equipped with the latest GPR and GNSS technology, Geo-Radar helps clients build with confidence—above ground and below it. <https://geo-radar.co.uk/utility-surveys-hampshire>

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#GeoRadar #PAS128 #GPRsurvey #utilitymapping #voiddetection #WWIIBunker
#subsurfaceimaging #LondonHistory #nonintrusivesurvey #safeexcavation

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