

Case Study

Service: Concrete Scanning

Location: Maran Way, Thamesmead

Client: Gump & Maier GmbH

Swantest were contracted by Gump & Maier to complete a concrete scan to determine the location and configuration of steel reinforcement in a concrete roof slab.

A proposal to install a new roof structure on the building incorporated the design of additional trusses & supports. The details of our scan would aid the design team to determine if the existing roof slab was adequately reinforced to support the additional loading.

Our knowledge of concrete scanners allowed us to select and use the correct type of scanner for each application. Detecting reinforcing bars, pre or post tensioned tendons over large concrete slabs in minutes - providing our client with a rapid, detailed non-destructive structural inspection.

Furthermore, with the aid of software analysis we can evaluate and analyze scans creating digital representations & 3D models giving our client a clear image of the slab construction.

We can provide fast onsite guidance and results for processes such as; minimum concrete cover, drilling positions or if requested produce detailed scan reports clearly explaining data and conclusions recorded on site.

Key to images:

1. Concrete roof slab scan at Gump & Maier site.
2. Preparing an image scan using Hilti PS 200 Ferroscan
3. Results from scan using Hilti PS 1000 X Scan Radar Detection System
4. Sample of digital imagery provided supporting our reports and giving realistic representations of findings on site

