

Battersea Power Station

London

Battersea Power Station, which was fully decommissioned in 1983 and given Grade II building status, has undergone an £8bn redevelopment to provide shops, offices, luxury apartments and penthouses.



The project

As part of the project, there was a requirement to monitor underground utility tunnels as work above ground progressed.

The challenge

To provide a near real time monitoring system of underground utility tunnels under the constraints of stringent project criteria.

The solution

The design and installation of a monitoring scheme consisting of wireless tilt meters and vibration sensors backed up with a manual survey every fortnight when access was granted. The automatic system provided data to engineers on a daily basis while the manual survey carried out every other week confirmed the overall settlement of the tunnels.

Project facts

Owner(s)

UK Power Networks

Keller business unit(s)

GEO-Instruments

Main contractor(s)

ABA

Services

Environmental monitoring
Software/web-based data presentation
Automated monitoring

Markets

Buildings
Infrastructure

Technologies

Manual monitoring
Tiltmeters
Vibration and noise monitors

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