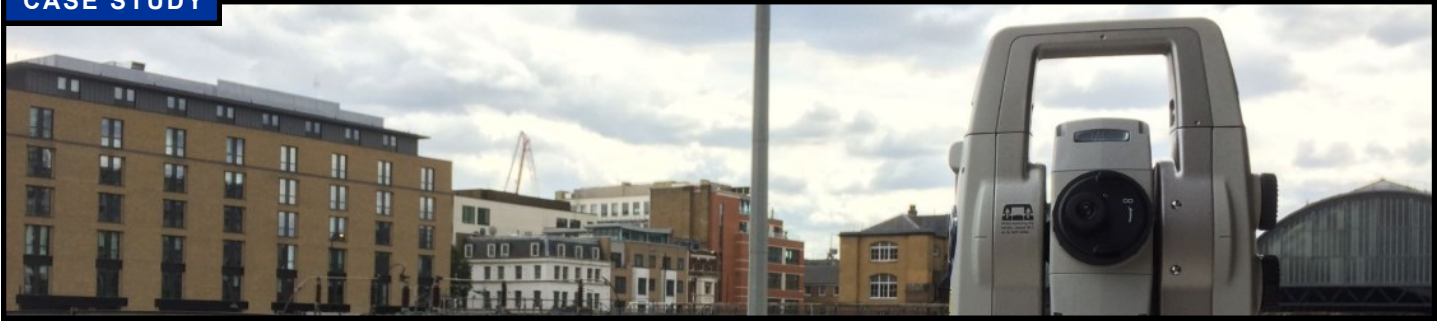


CASE STUDY



King's Cross Monitoring

WHAT'S THE STORY?

Our PC Monitoring division has been working on a very large and prestigious project at King's Cross for some time, building up an impressive array of vital monitoring information across various key infrastructure assets.

The system uses data feeds from four automated total stations (monitoring over 400 prisms), 23 strain gauges and 30 in-place inclinometers (IPI's) to provide the client and other project stakeholders with a complete picture of structural movement during piling and excavation works.

By combining these data feeds with some more traditional, manual observations within our data visualisation software package, Mission OS, users can view all of the information in one place – greatly simplifying interpretation.

AT A GLANCE:

- PC Monitoring project
- Prestigious client in King's Cross
- Manual & automated monitoring
- Substantial savings for client

What did we do?

The monitoring work at King's Cross has been a great example of how PC Monitoring's consultative approach can provide real benefits to our clients. Originally an entirely manual monitoring scheme, we worked extensively with the consultant engineer to demonstrate how an automated monitoring system could provide substantial cost savings to the client along with greatly reducing the amount of time spent on track.

This approach was further bolstered by automating the inclinometers installed in the pile wall, reducing manual labour and removing the risk so often posed by access restrictions.

"The complicated site environment initially created substantial challenges in constructing and maintaining a robust survey network but following extensive planning by PC Monitoring's talented engineers, our approach has been able to provide the project with highly accurate and repeatable data. We are greatly appreciative of the excellent support received from our supply chain and are thrilled to be working on such a prestigious London project."

— Brendon Oram, Technical Manager, PC Monitoring

[Link to the web-based version](#)

About PC Monitoring

Part of the Plowman Craven group, PC Monitoring provides manual and automated monitoring solutions to the construction industry, delivering expert advice and practical benefits.

Head Office:
Plowman Craven House
2 Lea Business Park, Lower Luton Rd
Harpenden, Herts. AL5 5EQ
Tel: +44 (0)1582 765566

London
Tel: +44 (0)20 7490 7700

Birmingham
Tel: +44 (0)121 262 4218

Email: enquiries@pcmonitoring.co.uk

