

Remote monitoring: do current technologies match requirements?

Thursday 08 March 2012, 09.30 to 15.25

CIRIA, Classic House, 174-180 Old Street, London, EC1V 9BP
([map link](#))

Background

The UK needs to embrace technological innovations to meet future demand for safe, efficient operation of transport networks and infrastructure where engineered earthworks are threatened by climate change, ageing and increased operational stresses. Key challenges include reduction of lifetime costs of infrastructure using adaptive maintenance strategies underpinned by intelligent asset monitoring systems.

What role does proactive monitoring play in the adaptation of a truly resilient network? At this event the British Geological Survey (BGS), itmsoil and Geotechnical Observations Ltd will showcase latest and emerging technologies with the potential to provide near real-time information on asset condition to support development of future maintenance strategies.

The chairman of the Geotechnical Asset Owners Forum (GAOF) will present their perspective on this issue and you will have the opportunity to discuss your needs and approaches to survey and monitoring.

To register your place, please visit:
<http://remotemonitoring.eventbrite.co.uk/>

Why should you attend?

This workshop will provide participants with an opportunity to exchange knowledge and ideas in an informal way, to understand the challenges facing infrastructure stakeholders and the opportunities presented by these latest innovations.

Following the end of the workshop there will be the opportunity for informal discussions with BGS, Geotechnical Observations and itmsoil.

Programme

- 09.30 Registration and refreshments
- 10.00 Introduction to Workshop
Philip Charles, CIRIA/ Modern Built Environment KTN
- 10.05 Transportation challenges and innovation needs: a perspective from the Geotechnical Asset Owners Forum
Derek Butcher, Network Rail
- 10.20 Some recent developments in the remote monitoring of geotechnical assets
Andrew Ridley, Geotechnical Observations Limited
- 10.45 Technology providers' perspective
Nick Slater, itmsoil
- 11.15 Refreshments and networking
- 11.35 Automated time lapse electrical resistivity tomography: a technology for near real-time, remote volumetric imaging of near surface processes and movement
Jonathan Chambers, British Geological Survey
- 12.05 Review of pre-event questionnaire and introduction to breakout session
Philip Charles, CIRIA/ Modern Built Environment KTN
- 12.15 Lunch and networking
- 13.15 Breakout session
- 14.00 Breakout group feedback
- 14.30 Panel discussion
- 15.15 Summary of key points
- 15.25 Close