

THURSDAY 19TH FEBRUARY 2026, 11AM - 1PM

#AGSWEBINAR



Instrumentation and Monitoring – Data Driven Actions is a two-hour webinar organised by the Association of Geotechnical and Geoenvironmental Specialists (AGS) Instrumentation and Monitoring (I&M) Working Group.

Chaired by I&M Working Group Leader, Tim Clegg (Geosense), this webinar will provide a multi stakeholder perspective of how data is the key foundation for making decisions within the geotechnical industry.

This virtual event will feature presentations from Phil Child (Sequent), Alice Shrubshall (BuroHappold) and Steve Walthall (Retired Engineering Geologist). Together, they will explore:

- Setting projects up for data success

- Ensuring the collection of useful, high-quality data
- Monitoring in the real-world conditions
- Using data effectively to inform decisions

The webinar will conclude with a group Q&A which will allow webinar attendees to ask questions from our speakers. Attendees will gain practical insights into building and maintaining robust data foundations throughout a project lifecycle, and how monitoring data is applied in practice to bridge the gap between assumptions and reality. This webinar is suitable for all experience levels, from asset owners to data users, and will provide actionable guidance on gathering and using data to drive informed decision-making.

PROGRAMME

- 11.00: OPENING ADDRESS**
Tim Clegg, Managing Director at Geosense
- 11.05: THE AGS GUIDE TO PLANNING DATA MANAGEMENT FOR A PROGRAMME OF GEOTECHNICAL INSTRUMENT AND MONITORING**
Phil Child, Senior Technical Solutions Specialist at Sequent
- 11.30: SPECIFICATION OF AN EFFECTIVE MONITORING SCHEME**
Alice Shrubshall, Associate Director at Buro Happold
- 11.45: PROCURING GOOD DATA**
Tim Clegg, Managing Director at Geosense
- 12.10: REAL WORLD IMPLEMENTATION ***
Steve Walthall, Retired Engineering Geologist
- 12.35: DATA REVIEW FROM A CONSULTANT'S PERSPECTIVE**
Alice Shrubshall, Associate Director at Buro Happold
- 12.45: Q&A**
- 12.57: CLOSING ADDRESS**
Tim Clegg, Managing Director at Geosens

*pre-recorded presentation

SPEAKERS AND PRESENTATIONS



PHIL CHILD

Senior Technical
Solutions Specialist at
Sequent

Phil Child is a Senior Technical Solutions Specialist with the GIM services team. He helps clients to get the most from the OpenGround suite of applications. Having held a variety of roles he is particularly interested in the point where technology meets human and as such is passionate about learning.

The AGS Guide to Planning Data Management for a Programme of Geotechnical Instrument and Monitoring

Phil will provide an overview of the AGS Guide to Planning Data Management for a Programme of Geotechnical Instrument and Monitoring document. This will help identify key questions to apply to your projects to ensure success. He will also signpost useful resources allowing you to get started with applying the principles.



ALICE SHRUBSHALL

Associate Director at
Buro Happold

Alice is a Civil Engineer with UK and international experience across major projects including the Olympic Stadium Transformation and Battersea Power Station. Her expertise includes foundation reuse and repurposing, and I&M to facilitate efficient design. Alice is Vice Chair for the Register of Ground Engineering Professionals (RoGEP).

Specification of an Effective Monitoring Scheme

The Specification for Instrumentation and Monitoring is a critical document and care and consideration is required to prevent gaps and ensure the roles and responsibilities are appropriately assigned. This session will discuss a methodology to obtain best value from your data.

Data Review from a Consultant's Perspective

When presented with a large volume of data a structured approach is required to be able to interpret its implications. This can be adapted as the project progresses but a thorough review at the baseline stage is key and will be beneficial to all parties involved in the scheme.



TIM CLEGG

Managing Director at
Geosense

Tim Clegg is the Managing Director of Geosense, a global supplier of geotechnical instruments that supports clients to mitigate their geotechnical risk. Growing up around the ground investigation industry he has spent more than 13 years within the I&M industry. He is the AGS I&M Working Group Leader, which is focused on developing best practise and education within the wider industry.

Procuring Good Data

We understand what we want to know, we have our design. It's now time to ensure that we ask the right questions when procuring the monitoring to understand what we want to know. Tim's presentation will explore how to translate a monitoring plan into a procurement strategy to ensure the correct sensors are selected, the right partner is chosen, and the system overall delivers good actionable data. Tim will also discuss how spending your time effectively procuring your monitoring services before attending site is a great investment.



STEPHEN WALTHALL

Retired Engineering
Geologist

Steve is a Chartered Geologist and a Chartered Scientist with over 50 years of experience in engineering geology, geotechnical engineering and hydrogeology. After working for GI

contractors and as a hydrogeologist he continued as a geotechnical specialist working on large scale infrastructure projects in the UK, Europe and the Middle East. He is a founder member of the AGS Data Management Group.

Real World Implementation

Whilst every I&M project is different, there are a number of similarities which are common to each project and form the basis of implementing a successful operation. These include a clear and well-defined objective, the selection of appropriate instruments and most importantly, a comprehensive management system to ensure that not only are the right observations made and validated but that they are evaluated and acted upon by the specialist within the team. These principals will be discussed with reference to a range of projects.

EVENT SPONSOR



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