



Association of Geotechnical &
Geoenvironmental Specialists

ANNUAL CONFERENCE PROGRAMME 2023

THUR 27TH APRIL | 09:00 – 16:30 | BARBICAN CENTRE, SILK STREET, LONDON, EC2Y 8DS



WELCOME TO OUR 2023 AGS ANNUAL CONFERENCE

We have listened to feedback from members and delegates and this year we have returned to a central London venue to allow greater access by public transport. We are pleased to welcome you to the excellent conference facilities of the Barbican Centre. We hope you will enjoy, and learn from, the selection of renowned speakers and the networking opportunities available. There is also a wide range of exhibitors to keep you up to date on developments across our industry.

We will hear interesting and diverse presentations by experts on issues affecting our industry in the UK and the USA, and you will also hear from the AGS Working Group leaders who will update you on their achievements throughout the year on your behalf.

As your Trade Association, we are constantly seeking input and ideas from our membership so that we can continue to improve our service. We look forward to receiving feedback on this conference format and, if you or your company wish to get involved in the activities of the Association, please feel free to talk to me or any of our Working Group Leaders at the Conference or contact us via our email address at ags@ags.org.uk

Sally Hudson

Sally Hudson, AGS Chair

PROGRAMME

09:00: REGISTRATION

09:45: OPENING ADDRESS

Sally Hudson, Regional Director at Coffey Geotechnics and AGS Chair

09:55: KEYNOTE PRESENTATION, BETTER PRODUCTIVITY THROUGH BETTER COMMUNICATION

Nick Sartain, Head of Geotechnical Engineering at HS2

10:40: BUSINESS PRACTICE WORKING GROUP REPORT

Vivien Dent, AGS Chair Elect and Technical Specialist: Green Growth and Delivery at the Environment Agency

10:45: INSTRUMENTATION AND MONITORING WORKING GROUP REPORT

Daniele Fornelli, AGS Instrumentation and Monitoring Working Group Leader and Associate Technical Director at Geotechnical Observations

10:50: BUILDING SUSTAINABILITY FROM THE BOTTOM UP: EMBEDDING SUSTAINABILITY THROUGHOUT GEOTECHNICAL COMPANIES

Luke Deamer, Group Sustainability Manager at Keller

11:25: REFRESHMENT BREAK

11:55: CONTAMINATED LAND WORKING GROUP REPORT

Alex Lee, AGS Contaminated Land Working Group Leader and Principal at HKA

12:00: DATA MANAGEMENT WORKING GROUP REPORT

Jackie Bland, AGS Data Management Working Group Leader and Principal Ground Investigation Data Manager at Structural Soils

12:05: ENVIRONMENT AGENCY UPDATES

Vivien Dent, AGS Chair Elect and Technical Specialist: Green Growth and Delivery at the Environment Agency

12:40: LUNCH

13:40: LEARNING FROM OTHERS' PAIN – LOSS PREVENTION THROUGH LESSONS LEARNED

Joel Carson, CEO Executive Director at Geoprofessional Business Association (USA)

14:15: GEOTECHNICAL WORKING GROUP REPORT

Alex Dent, AGS Geotechnical Working Group Leader and Associate Director at WSP

14:20 GOOD PRACTICE & LESSONS LEARNED IN CONSTRUCTING REINFORCED SOIL STRUCTURES USING GRANULAR, SITE-WON AND OTHER NON-'STANDARD' REINFORCED FILLS

Chaido Doulala-Rigby (Yuli), Chief Civil Engineer and Business Development at Tensar International

14:55: SAFETY WORKING GROUP REPORT

Jon Rayner, AGS Safety Working Group Leader and SH&E Director at Aecom

15:00: REFRESHMENT BREAK

15:30: LABORATORIES WORKING GROUP REPORT

Will Fardon, AGS Laboratories Working Group Leader and Technical Director at Chemtech Environmental

15:35: LOSS PREVENTION WORKING GROUP REPORT

Jo Strange, AGS Loss Prevention Working Group Leader and Technical Director at CGL

15:40: SUBSURFACE DATA SHARING AND THE GEOSPATIAL COMMISSION'S CONSTRUCTION PLAYBOOK; BGS IMPROVED AGS DATA INGESTION AND DELIVERY AND WHAT'S NEXT FOR THE NATIONAL GEOTECHNICAL PROPERTIES DATABASE?

Edward Lewis, Data Standards Lead at British Geological Survey

16:15: CLOSING ADDRESS

Vivien Dent, AGS Chair Elect and Technical Specialist: Green Growth and Delivery at the Environment Agency

#AGSANNUALCONFERENCE23

SPEAKERS AND PRESENTATIONS



SALLY HUDSON

AGS Chair and Regional Director at Coffey Geotechnics Limited, A Tetra Tech Company

Sally has 30 years' experience in the ground engineering industry and has responsibility for the delivery and management of geotechnical risk on a wide range of projects. She has worked in the site investigation field for specialist contractors and for design consultancies on many major transport and energy infrastructure schemes, on earthworks design schemes and asset management in the road, rail and energy sectors.



NICK SARTAIN

Head of Geotechnical Engineering at HS2

Nick has more than 25 years' experience in geotechnical engineering and major projects in the UK and overseas. He is currently responsible for the specification and integration of geotechnical workstreams across the High Speed 2 programme. He is Visiting Professor of Transport Infrastructure Engineering at Loughborough University.

PRESENTATION

Better Productivity Through Better Communication

Digital technologies are driving significant change within the industry and are require data-driven communication more than ever before. This presentation will investigate what is necessary for excellent communication of digital information, what benefits this will bring, and will describe some projects underway to improve on current practice.



LUKE DEAMER

Group Sustainability Manager at Keller

Luke is Group Sustainability Manager for Keller. He recently carried out a PhD focused on supporting the adoption of improved sustainable processes across all function of a geotechnical company. Luke has authored several papers on geotechnical company sustainability and sits on the FPS and EFFF sustainability working groups. He has previously worked as a structural geologist on the Panama Canal and the Oman Drilling Project.

PRESENTATION

Building Sustainability from the Bottom Up: Embedding Sustainability throughout Geotechnical Companies

Some of the most common drivers of sustainability are client demand and legislation. Both of these are important, but they can quickly be forgotten in smaller projects, or can be dismissed as a compliance exercise. In this presentation, Luke therefore explores the wider opportunities of sustainability to geotechnical companies. Importantly, he also explores how every geotechnical employee has a role to play in improving sustainability. From the smallest project to the largest, from Procurement to HR, Luke pulls out best practices from across our sector. Through these process-level improvements, he advocates for sustainability to be built from the bottom-up.



VIVIEN DENT

AGS Chair Elect and Technical Specialist: Green Growth and Delivery at the Environment Agency

Vivien is a hydrogeologist with over 25 years' experience working in contaminated land, specialising in groundwater risk assessment. Vivien recently moved to the EA where she works on major projects in the Herts and North London area.

PRESENTATION

Environment Agency Updates

This presentation will provide an update on various Environment Agency issues, projects and guidance relevant to the AGS.



JOEL CARSON

CEO Executive Director, Geoprofessional Business Association (USA)

Joel is the Geoprofessional Business Association's CEO and Executive Director, managing the association's operations strategy and acting as the primary liaison. Prior to this, Joel was a practicing geoprofessional consultant for more than 25 years, serving as a Senior Vice President, and Senior Principal owner. He is a seasoned public speaker who has presented loss prevention and business optimization topics to thousands of geoprofessionals across the globe.

PRESENTATION

Learning from Others' Pain – Loss Prevention through Lessons Learned

What if we could learn from other people's mistakes? Attend this session and learn about GBA's library of over 110 Case Histories. Real life projects that went horribly wrong. Learn how you can avoid risk by learning from other people's real-life losses. Most importantly learn the most common lessons learned so you can avoid them on future projects to be smarter, stronger, and more successful.



CHAIDO DOULALA-RIGBY (YULI)

Chief Civil Engineer and Business Development at Tensar International

Yuli is a Chartered Engineer (CEng) and a Fellow of the Institution of Civil Engineers (FICE) with 30 years' experience in geotechnical engineering, and in particular with geosynthetics. Yuli has been working for Tensar International over the past 17+ years and she has served as a past Chair of the UK Chapter of the International Geosynthetics Society (IGS).

PRESENTATION

Good Practice & Lessons Learned in Constructing Reinforced Soil Structures using Granular, Site-Won and other Non-'Standard' Reinforced Fills

A brief historic review from the origin of stabilized earth concept to today's use of polymer geogrids in construction, sharing the 'dos', the 'don'ts' and lessons learned from around the world in construction practice, and illustrating how to effectively use site-won and other non-'standard', unusual reinforced soil fills.



EDWARD LEWIS

Data Standards Lead at British Geological Survey

Edd is the Data Standards Lead at the British Geological Survey, responsible for improving their data provision by using geospatial data standards to better align with FAIR data principles. He is a member of the British Standard Institute IST/36 Geographic Information committee, MEDIN standards committee, AGS Data Format committee and contributor to ISO/TC 211 & OGC standards.

PRESENTATION

Subsurface Data Sharing and The Geospatial Commission's Construction Playbook; BGS improved AGS data ingestion and delivery and What's next for the National Geotechnical Properties Database?

The Construction Playbook recommends the use of "boilerplate" model clauses in contracts, including the recently published "HMG Model Clause - Subsurface Data Sharing" which states that JCT and NEC3/NEC4 contracted projects require the AGS data from these to be submitted to the National Geoscience Data Centre (the "NGDC") of the British Geological Survey (the "BGS"), "to become part of the UK repository of subsurface data for re-access and longevity." We will outline the data ingestion, storage & delivery process for the data you've collected, including new tools we're developing to make the data, including the BGS National Geotechnical Properties Database, more Q-FAIR (Quality, Findable, Accessible, Interoperable and Reusable).

Edd's presentation will include the use of polls. To access them, please scan this code when instructed.



AGS WORKING GROUPS LEADERS



DR ALEXANDER LEE

Alex Lee, AGS Contaminated Land Working Group Leader and Principal at HKA

Dr Alexander Lee has over 25 years in ground risk and remediation and specialises as an expert witness. He is a Chartered Geologist and Scientist. He is a regular chair and presenter at both domestic and international conferences and is chair of the National Brownfield Forum. He sits on the NQMS Steering Group, was a former Chair of the Society of Brownfield Risk Assessors and is a Accredited Risk Assessor.



JACKIE BLAND
AGS Data Management Working Group Leader and Principal Ground Investigation Data Manager at Structural Soils

Jackie has worked in the geotechnical industry since 1989 and has been closely involved with the AGS 'Electronic Transfer of Geotechnical and Geoenvironmental Data' since its inception in 1990 (AGS 1.0). In 2010 she took over the Chairmanship of the Data Management Working Group responsible for its continued development and progress.



ALEX DENT

AGS Geotechnical Working Group Leader and Associate Director at WSP

Alex is a Chartered Geologist with over 25 years' experience in the ground engineering sector. He has both UK and international experience covering a wide range of ground conditions, market sectors and deliverables, along with associated ground investigation works. Alex is the current chair of the AGS Geotechnical Working Group.



DANIELE FORNELLI

AGS Instrumentation and Monitoring Working Group Leader and Associate Technical Director at

Geotechnical Observations

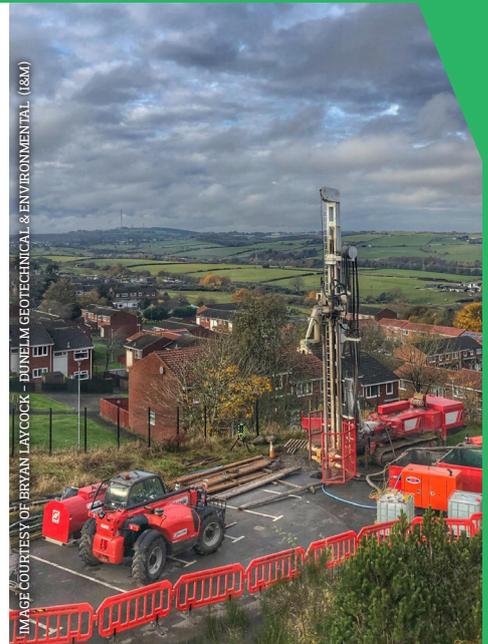
Daniele has a MSc in Geotechnical Engineering and is a Chartered Civil Engineer. He has a wide experience in the Instrumentation and Monitoring field and has been involved with complex infrastructure projects in the UK and abroad. These include dams, tunnels and deep excavations in urbanised areas, earthworks and ground treatment schemes.



WILL FARDON

AGS Laboratories Working Group Leader and Technical Director at Chemtech Environmental

Will has worked within the analytical testing industry for over 20 years, primarily in the Environmental sector but also Pharmaceutical analysis. Following a degree in Mathematics and Chemistry, he has worked in a range of public and private sector laboratories with a specialty in Organic Chemistry before moving for several years into Customer Service, Technical Sales and Quality Management.



JON RAYNER

Jon Rayner, AGS Safety Working Group Leader and SH&E Director at Aecom

Jon has a construction background but has been focused on ground investigation and aligned industries for the past 10 years. Through the delivery of major projects, and working with industry groups and stakeholders, Jon has delivered safety innovation and improvement to the ground investigation industry to the benefit of those working within it.



JO STRANGE, MENG, CENG, CENV, FICE, FWES, MIENVSCI, SILC, ICE HEALTH AND SAFETY REGISTER (ADVANCED)

AGS Loss Prevention Working Group Leader and Technical Director at CGL

Jo is a chartered civil engineer and environmentalist with over 30 years of experience in civil and environmental engineering. She is involved in the planning, management, design, specification, implementation and interpretation of site investigations, assessments and remediation for a wide variety of 'brown field' projects and has wide experience of solving problems associated with development on landfills, and dealing with waste issues.

Jo's presentation will include the use of a poll. To access it, please scan this code when instructed.



AGS WORKING GROUPS

The AGS consists of eight working groups, plus the Executive Committee. Each Working Group brings together experts and representatives from across the industry to agree and shape best practice and collaborate to find the consensus on the issues that affect our members and the wider industry.

Our Working Groups meet four times a year. If you'd like to join a working group or would like any further information on its general activities, email Katie Kennedy on ags@ags.org.uk

BUSINESS PRACTICE WORKING GROUP

The BPWG are responsible for the governance, finances, promotion of the AGS and liaison with other organisations. Our work over the last year has included:

- Production of the AGS Business and Marketing plan
- Developing collaboration with the Geoprofessional Business Association
- Supporting the Ground Forum Mentoring Programme

CONTAMINATED LAND WORKING GROUP

The Group works to keep Members informed of developments to do with contaminated land and the environment. It provides advice and feedback to other organisations, committees and government bodies on documentation and policy. Last year, the CLWG provides its members with:

- An opportunity to actively participate and have an impactful voice towards making a difference
- Access to relevant and expert thought and practice leaders, regulators, and government bodies in a forum of open discussion
- The opportunity to network, educate, be educated, and be informed ahead of the crowd

DATA MANAGEMENT WORKING GROUP*

One of the most active working groups of the AGS, the Data Management spent much of 2022 organising the following events:

- Delivering the AGS Geotechnical Data Conference 2022 – a full day conference in Birmingham
- First full Release of AGSi v 1.0
- First full release of AGS Validator 1.0

**this working group is not currently recruiting new members.*



GEOTECHNICAL WORKING GROUP

One of the AGS' newest working groups, they work to promote technical excellence to the wider geotechnical engineering professional community and to raise general awareness of the need for geotechnical engineering input to all construction projects and land asset management to clients and asset owners. Throughout 2022, the Working Group have been working on:

- Recently the Geotechnical Working Group (GWG) have been providing guidance on a range of topics, e.g. sample disturbance, pressuremeter testing and the SLS case in geotechnical design.
- The GWG is working on a number of longer term projects: Carbon reduction in geotechnical design, Next Generation EC7, underpinning, soakaways testing and a range of 'Bite Size Guides'
- The GWG meetings are really stimulating with consultants, designers, GI specialists, piling contractors and materials suppliers all contributing.

INSTRUMENTATION AND MONITORING WORKING GROUP

The Instrumentation & Monitoring Working Group's aims are to promote geotechnical, structural, and environmental instrumentation and monitoring (I&M) to the geotechnical, geoenvironmental, and wider ground engineering community. Some of their current activities include:

- Coordinating with other AGS Working Groups and other organisations to promote the applications of I&M across the industry
- Developing an AGS Client Guide to Instrumentation and Monitoring of geotechnical structures, and AGS Geotechnical Monitoring Guidelines
- Lively discussions about the role of the I&M industry towards the sustainability and resilience targets for the UK infrastructures.

LABORATORIES WORKING GROUP

The Laboratories group deals with issues surrounding testing, safety and quality that relate to the accurate analysis of the fluids, soils, gases and materials found in the ground. Last year the group completed the below activities to name but a few:

- Published independent peer reviewed guidance on topics relevant for the industry
- Contributed to the creation and amendment of formal standards
- Continued to grow a community of industry and subject matter experts to raise, discuss and impact upon new and forthcoming issues that affect the testing industry

LOSS PREVENTION WORKING GROUP

This working group provides Members with information and advice to enable proper management of risk to the benefit of both the Member and the Client. The group's activities include the preparation of Loss Prevention Alerts, Loss Prevention Guidance, Client Guides and Newsletter articles about current and emerging legal, contractual and insurance issues. The group have recently:

- Reviewed and published the Loss Prevention Guidance 2022
- Hosted a Loss prevention webinar on 22nd February on the new guidance
- Unravelling issues and continued dialogue with the Coal Mining Authority

SAFETY WORKING GROUP

The Safety Working Group's aims are to promote safety awareness for the geotechnical and geoenvironmental industry. The group are currently taking part in the following activities:

- Producing industry focused health, safety and wellbeing guidance
- Busy writing a new AGS Safety, Health and Wellbeing Manual
- Working on some thought-provoking safety and health AGS Magazine articles.

UPCOMING LIVE AND VIRTUAL AGS EVENTS



INSTRUMENTATION & MONITORING: HOW NOT TO GET IT WRONG



DATE: Wednesday 21st June **TIME:** 11:00 – 13:00
PRICE: £25 for AGS members and £30 for non-members (ex VAT)

Instrumentation and Monitoring: How Not to Get it Wrong is a CPD webinar which will identify the importance of instrumentation and monitoring (I&M) in Geotechnical Engineering and, as such, will focus on how to obtain reliable field monitoring data.

This webinar will underline the need to give early consideration to the definition of the I&M scope and I&M plan, taking into account the specific risks and opportunities of each project and the transversal nature of I&M across several disciplines.

The fundamental importance of correctly installing the right instrument in the right place will be illustrated with the help of practical examples for a selection of exemplar instruments. To this extent, the webinar will focus on typical

instruments choices and installation issues, and how to avoid these.

The need for dedicated, focussed training and education will also receive attention, together with considerations around field monitoring data validation, analysis and interpretation.

The webinar will be of benefit for professionals, technicians and specialists involved in Geotechnical projects.

SPONSORSHIP

We have both **Headline and Associate Sponsorship packages** available for companies who wish to have a presence during the live webinar and recording. Prices start from just £150 for AGS Members. Full package details can be found by scanning the below QR code. To confirm your support, please email Angharad Lambourne-Wade on ags@ags.org.uk before Friday 26th May. Packages are offered on a first come, first served basis.

Register here:



Sponsor here:



GROUND RISK CONFERENCE: ARE YOU MANAGING RISKS OR TAKING RISKS?

2023

DATE: Wednesday 22nd November **TIME:** 9am – 4:30pm
LOCATION: One Great George Street, London
PRICE: £160 for AGS Members and £230 for non-AGS Members.
Prices exclude VAT. A limited number of student, local authority and Environmental Agency places are available for £95, ex VAT.

A CPD event brought to you by the AGS Geotechnical Working Group and Geoenvironmental Working Group. This full day event, which is taking place in London, will examine risk related matters and how we can better manage them.

Register here:



Sponsor here:



SPONSORSHIP

We have a range of sponsorship opportunities available for both Members and non-Members of the AGS who wish to have a presence during the event. Prices start from just £550 for AGS Members. Full package details can be found by scanning the below QR code. To confirm your support, please email Angharad Lambourne-Wade on ags@ags.org.uk before Friday 27th October. Packages are offered on a first come, first served basis.

#AGSANNUALCONFERENCE23

ANNUAL CONFERENCE SPONSORS

SOIL ENGINEERING

Soil Engineering are award winning suppliers of Geotechnical services across the UK. Celebrating 60 years of consistent excellence in Ground Investigation, Grouting and Geotechnical Testing, we provide our project partners with bespoke solutions and high-quality data. Our regional teams provide national coverage perfectly paired with local expertise. www.soil-engineering.co.uk



SOIL ENGINEERING

GEOTECHNICAL ENGINEERING

Geotechnical Engineering is the leading independent provider of ground investigation in the UK, offering comprehensive services for over 60 years. Our self-assured digital data has been utilised by clients to mitigate ground risk on over 37,000 projects, earning Geotechnical the reputation as a technically capable delivery partner. www.geoeng.co.uk



IN SITU SITE INVESTIGATION

In Situ Site Investigation is a specialist geotechnical and geo-environmental site investigation company carrying out all aspects of Cone Penetration Testing (CPT) techniques as well as all methods of Pressuremeters. Our expanding array of rigs and equipment enable us to work on any site across the UK and worldwide. www.insitushi.com

IN SITU
SITE INVESTIGATION

GEOSENSE

Geosense is an award-winning UK manufacturer of instrumentation used globally by the geotechnical, structural, mining, and environmental industries. Our extensive range of sensors and data acquisition systems provide reliable, accurate real-time data. With more than 30 years experience, Geosense has worked on some of the most prestigious projects worldwide, from HS2 to the biggest copper mines and dams. www.geosense.co.uk



SEEQUENT

Seequent builds world-leading subsurface software, helping create a better understanding of the earth to ensure a better world for all. We are constantly evolving at the forefront of technology to transform how geo-professionals work, eliminating barriers to understanding by integrating software, teams, and the tools they need. Headquartered in New Zealand with global reach, Seequent is the subsurface software company within Bentley Systems. Together, we are helping build a more resilient world. www.seequent.com



GROUNDSURE

Groundsure Insights provides detailed data for every site. Built on decades of GIS and data expertise, our library includes the largest historical land use data, unique datasets, current and historic mapping delivered in a clear simple format. Our data comes as slick PDF reports or customizable GIS data, backed by customer support, ensuring that we lead the market in delivering certainty and clarity on environmental risk. www.groundsure.com/land-use-data-and-map-packs



DUNELM GEOTECHNICAL & ENVIRONMENTAL LTD

Dunelm have 50 years' experience as leaders in the field of ground investigation. Having complete accreditation for Quality, Environment and Health and Safety, our clients are afforded a first class service. Our highly qualified, experienced staff and in-house drilling services deliver an efficient and flexible service to all our clients. www.dunelm.co.uk



BAM RITCHIES

BAM Ritchies are the award winning SMARter Ground Engineering contractor with over 60 years' experience. We've built a reputation as the go-to ground engineering team for problem solving and best-value, sustainable delivery. We use industry-leading digital construction methods to stage digital rehearsals. So you'll know exactly what to expect from your project, and we'll get it right first time. www.bamnuttall.co.uk/groundengineering



CONCEPT CONSULTANTS

Concept provides accurate, expert site investigation, in-house laboratory, instrumentation, and survey services to deliver the highest quality data in the most cost-effective and efficient manner.

Unrivalled in London, and with a reach across the UK and beyond, our broad client base includes Consultants, Developers, Insurance Companies, Architects, and Government Agencies. www.conceptconsultants.co.uk



AFITEXINOV UK

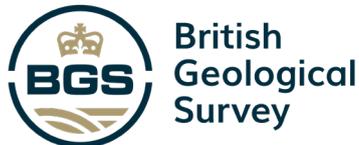
AFITEXINOV UK LTD is a specialist manufacturer of geosynthetic solutions for over 30 years. Our services are focused on applications such as structural drainage, water barrier linings and soil reinforcement solutions. Our focus industry sectors are in geotechnical applications in public works, environmental projects, residential developments and mining activities.

www.afitex.co.uk/



BRITISH GEOLOGICAL SURVEY

The British Geological Survey is a world-leading geological survey and global geoscience organisation, focused on public-good science for government and research to understand earth and environmental processes. BGS advances understanding of the structure, properties and processes of the solid Earth system through interdisciplinary surveys, monitoring and research for societal benefits. www.bgs.ac.uk



BRIMSTONE

The UK's only government assured unexploded ordnance company, Brimstone provides unsurpassed UXO risk management services in the UK and overseas. We support the geological, environmental, construction and defence sectors, with the capabilities to offer a full spectrum of UXO risk mitigation services, from initial risk assessments to final explosive demolitions.

www.brimstoneuxo.com



SOCOTEC

As the UK's market leading provider of site investigations, SOCOTEC provides expert field operations backed up by UKAS-accredited analytical testing and proven technical support. With 80 years' experience in delivering high quality services, we help our clients to minimise ground related uncertainty and risk, as well as maximising efficiencies.

www.socotec.co.uk



EQUIPE

Equipe are the UK's leading provider of geotechnical training, innovations, assessments and events. Specialising in creating solutions for the geotechnical market, Equipe offer specialist health & safety courses alongside in-depth technical training such as soil & rock description logging and geotechnical foundation design. www.equipegroup.com



ENVIROLAB

Envirolab is an BS EN ISO/IEC 17025 and MCertS accredited laboratory, based in Hyde, UK. Providing analytical services on soil and water for over 25 years. Envirolab do not negotiate on quality, the highest standard is set every time. Contact us on 01613684921 or ask@envlab.co.uk www.envlab.co.uk



FUGRO

Fugro is the world's leading Geo-data specialist, collecting and analysing comprehensive information about the Earth and the structures built upon it. With expertise in site characterisation and asset integrity, our clients are supported in the safe, sustainable and efficient design, construction and operation of their assets throughout the full lifecycle.

www.fugro.com



1ST LINE DEFENCE

Founded in 2012, 1st Line Defence have become the UK's market leaders in the provision of unexploded ordnance (UXO) risk mitigation services. We assess and provide solutions to the risk posed across the UK from unexploded bombs and munitions related to current and former military land use and aerial bombing.

www.1stlinedefence.co.uk





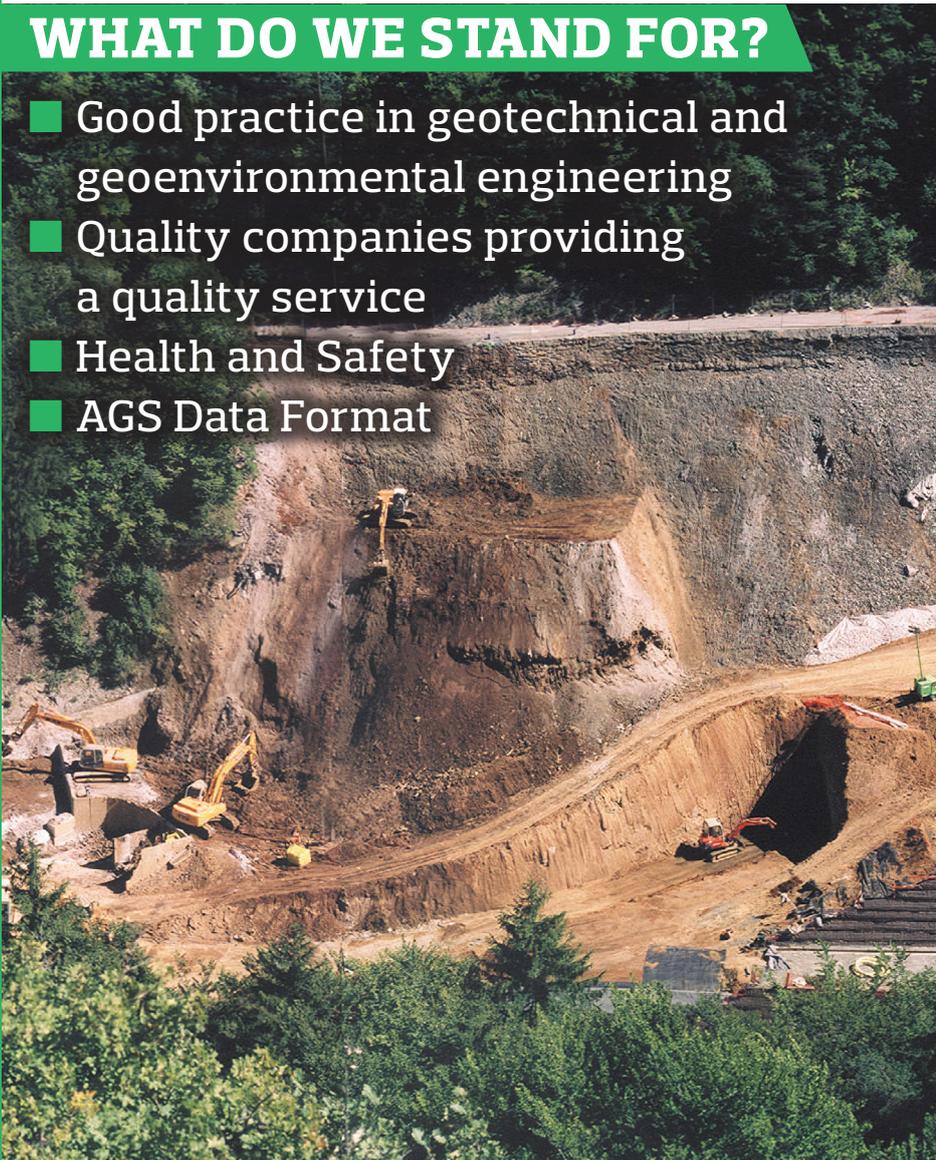
Association of Geotechnical & Geoenvironmental Specialists

WHY BECOME AN AGS MEMBER?

Enhance your status in the industry. Make a statement about quality and good practice. Participate in the AGS Working Groups and help shape the industry and set the standards.

WHAT DO WE STAND FOR?

- Good practice in geotechnical and geoenvironmental engineering
- Quality companies providing a quality service
- Health and Safety
- AGS Data Format



WHAT DO WE OFFER?

- Guidance to good practice
- Listing in the Directory of Members
- AGS Magazine focused on ground engineering 'hot topics'
- Legal helpline
- Chemical safety helpline
- AGS Loss Prevention Guidance Document
- Seminars, meetings, conferences and webinars
- Collaboration with other bodies
- Liaison with UKAS
- Lobbying on matters important to the sector
- Developing and maintaining the AGS Data Format

MEMBERS CAN CONTRIBUTE BY PRODUCING SUCH DOCUMENTS AS:

- AGS good practice guidance
- AGS publications
- AGS safety guidance
- AGS client guides

MEMBERS CAN PARTICIPATE IN AGS WORKING GROUPS:

- Laboratories
- Contaminated Land
- Safety
- Business Practice
- Loss Prevention
- Data Management
- Executive Committee
- Geotechnical
- Instrumentation and Monitoring

For further information on the AGS and details on how to become a member visit www.ags.org.uk  

Established in 1988, the Association of Geotechnical and Geoenvironmental Specialists is a non-profit making trade association which represents over 140 leading companies specialising in site investigation, geotechnics, geoenvironmental engineering, engineering geology, geochemistry, hydrogeology, and other related disciplines.