



Mr J.A. Davis
EurGeol CGeol BSc MSc DIC FGS
Senior Partner

Areas of expertise

Engineering geology, tunnelling, groundwater, grouting, foundations, retaining structures, earthworks, Quaternary engineering geology and ground investigation.

Experience with GCG

John joined Geotechnical Consulting Group in March 2008. For much of the period since then he mostly worked on the Crossrail Project in London. Initially he was involved in providing technical oversight and guidance for the Crossrail ground investigation programme.

This work sat alongside his involvement in writing geotechnical interpretative reports; guidance documentation; risk assessments and standards for Crossrail. Later he was heavily involved in the production of geotechnical baseline reports for most of the Crossrail main works contracts.

During Crossrail construction he was seconded to the Chief Engineer's Group where he was responsible for all geotechnical matters that arose in the eastern half of the project. In this role he was closely involved in the higher risk elements of Crossrail construction. Typically these have involved combinations of tunnel construction, ground improvement and dewatering.

Since Crossrail John has mainly worked as an advisor on contractual matters relating to Geotechnical Baseline Reports for several major UK tunnelling contracts on both the client and contractor sides.

John also regularly undertakes geotechnical and geological forensic investigations for insurers and loss adjusters and acts as an expert in geotechnical and geological disputes..

John has recently provided technical due diligence advice for the funders of the Sirius Minerals polyhalite mine development in North Yorkshire. He has recently been appointed by CIRIA to co-author a book on Geotechnical Baseline Reports (GBRs). These are commercial contract documents which set out to clearly allocate below ground construction risk ownership between client and contractor.

Areas worked

UK, Spain, Portugal, Georgia, Bosnia, Gibraltar, Iran, Iraq, Afghanistan, Philippines, Indonesia, Malaysia, Brunei, Ghana, Peru and Argentina.

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GEOTECHNICAL CONSULTING GROUP

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Previous experience

John is an engineering geologist and geotechnical engineer with over 30 years of experience both within the UK and overseas. Early experience involved working in geotechnical investigation contracting and later working for a piling contractor. After graduating from his Imperial College Engineering Geology MSc course in 1989 he joined the Property Services Agency, a UK Government multi-disciplinary design organisation.

In 1992 the PSA became TPS and part of what is now Carillion PLC. John remained with TPS and went on to become head of the TPS Geotechnical Engineering Team from 1999 until he left to join GCG in 2008.

During this time John was involved in a wide variety of design related and forensic geotechnical tasks involving foundations, retaining structures, basements, rock and soil slopes, groundwater, major earthworks, tunnels and chemical attack on concrete.

In the mid-1990s John was seconded to London Underground for 18 months where he conducted research into the impacts of rising groundwater on LUL infrastructure. This work changed LU's view of this issue from a drainage problem to one of distortion of escalator shafts. Towards the end of this period the focus, in conjunction with Thames Water was on regional control of groundwater levels, particularly the area south of Tooting Bec Station on the Northern Line.

Education/Research

MSc, Imperial College, London, 1989

BSc in Geology, University of Hull, 1984

Professional Qualifications & Memberships

Chartered Scientist, 2005 - present

European Geologist, 2002 - present

Chartered Geologist, 2000 – present

Registered as an 'Adviser' on the UK Register of Ground Engineering Professionals

Fellow of the Geological Society, 1994 – present

Vice-Chair of the Engineering Group of the Geological Society 2020 - present

Member of the British Tunnelling Society

Member of the British Geotechnical Association

Member of the Quaternary Research Association

Member of the Geologists' Association

Member of the Northern Mines Research Society

Other professional activities

CGeol Scrutineer for the Geological Society

Vice Chair of the Engineering Group of the Geological Society