



Professional summary

Mr. John Davis is an engineering geologist and geotechnical engineer with over 37 years' experience. He has particular experience and expertise in the following areas:

Engineering geology, tunnelling, groundwater, ground improvement, foundations, retaining structures, slope stability earthworks, Quaternary engineering geology, ground investigation and disputes involving unforeseen ground conditions.

Education and Career

Since 2008: GCG, London
1992-2008: Carillion/TPS Consult, UK
1989-92: Property Services Agency, UK
1988-89: MSc, Imperial College London
1981-84: BSc (1st class) in Geology,
University of Hull

Memberships and professional qualifications

Since 2005: Chartered Scientist
Since 2002: European Geologist
Since 2000: Chartered Geologist
Since 2012: Registered as an 'Adviser'
on the UK Register of Ground
Engineering Professionals
Since 1994: Fellow of the Geological
Society
Since 2022: Member of the European
Federation of Geologists Geotechnical
Expert Panel
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

Experience with GCG

John joined Geotechnical Consulting Group in March 2008. For much of the following 8 years he mostly worked on the Crossrail Project in London where he was seconded to the client's Chief Engineer's Group. Here 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 expert on ground engineering and geological disputes or 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.

John 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.

John was a member of the task force appointed by Network Rail to review its earthworks management processes after the 2020 fatal Stonehaven derailment and is currently providing advice on below ground matters to the project involved in restoring and renewing the Palace of Westminster.

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

Service on technical / professional bodies

Since 2020: Vice-Chair of the Engineering Group of the Geological Society

Since 2009: CGeol Scrutineer for the Geological Society

Since 2021: Member of the Quaternary Research Association's Engineering Group

Countries worked

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

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 was 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.