



Professional summary

Dr Love is a chartered geotechnical engineer with over 40 years' experience in practice both in the UK and overseas. His area of expertise includes ground investigation, earthworks, slope stability, embankments, roads, excavations, subsidence, drainage, soft soil, foundations, piling, ground improvement, basements, retaining walls, underpinning, grouting, sinkholes, pipelines, tunnelling, soil nailing, reinforced soil, horizontal directional drilling, and tree root damage. He has frequently been retained as an Expert in disputes and has given evidence in Court both in England and Scotland, as well as overseas.

Education and Career

Since 1988: GCG, London.
1984-88: Ove Arup and Partners, UK.
1981-84: DPhil, Oxford University.
1980-81: Binnie & Partners, UK.
1977-80: MA, Cambridge University.

Memberships and Professional qualifications

Since 2011: UK RoGEP Adviser.
Since 2009: Fellow of the Institution of Civil Engineers (FICE).
Since 1987: Member of the Institution of Civil Engineers (CEng MICE).

Scholarships / Awards

2004: Halcrow Prize, Institution of Civil Engineers.

Service on technical / professional bodies

1997-2000: Member of the Geotechnique Advisory Panel.
1994-95: Member of the Organising Committee for International Conference on Advances in Site Investigation Practice.
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Experience with GCG

Jerry Love joined GCG in 1988 and became a Director in 1993, then a Senior Partner when the company became a LLP in 2011. He is now a Senior Consultant at GCG. Dr Love's design work covers almost all aspects of geotechnical engineering, including the development of new specialist techniques as well as the implementation of traditional construction methods. His time is shared between site and the design office. Dr Love has provided design solutions for numerous construction foundation schemes, earth retaining structures, slopes and ground improvement systems, together with the acquisition of appropriate GI information and its proper interpretation.

Examples of landmark projects on which Dr Love has worked include the Jubilee Line Extension, Crossrail, Wembley National Stadium, the Wimbledon No 1 Court and the Royal Opera House Covent Garden in London. He has carried out earthworks analysis for Terminal 5 at Heathrow Airport, the M6 Toll, the M25, M60, A14 and A380 in the UK and the N7 motorway in Ireland, as well as for numerous large housing developments. Projects further afield have included a detailed assessment of ground improvement measures in Jamaica, earthworks analysis in northern Oman, analysis of slope stability and dewatering in Republic of Guinea, rock slope stability analysis earthworks assessment for a freight-line railway through Mozambique and Malawi. Dr Love has a wide range of experience in the design of appropriate foundation schemes and ground movement assessments for new build as well as for remediation schemes. His expertise includes the assessment of pile performance, design analysis for deep excavations, sub-surface cavities, ground water flow, earthworks compaction, jet grouting and permeation grouting schemes, ground improvement, basement waterproofing and embankments over soft ground.

Dr Love has frequently been retained as an expert to assess mechanisms of failure and to design remedial works and has given evidence in Court on multiple occasions both in the UK and overseas, and to tribunals at ICC Arbitrations. Expert witness cases

1987: Member of Technical Committee for the production of a Code of Practice for Reinforced Soil.

1994: Co-author of the DoT Advice Note HA 68/94 'Design Methods for the Reinforcement of Highway Slopes by Reinforced Soil and Soil Nailing Techniques'.

2010-17: Member of committee for rewriting BS8006-2, UK code of practice on soil nailing.

2018-present: Member of Eurocode Evolution committee B526/4.

Countries worked

UK, Ireland, Oman, Hong Kong, Jamaica, Netherlands, Belgium, France, Croatia, Indonesia, Morocco, Malawi, Mozambique, Republic of Guinea, Saudi Arabia, UAE, Turkey, Kuwait, Trinidad and Tobago

have included the examination of earthworks failures, retaining structures, poor compaction, a burst water main, two reservoir failures, tunnelling settlement, swallow holes, sulphate attack on lime-cement stabilised soil, failure of a steep soil-nailed slope beside a live railway and the scope of ground investigation. He is also frequently appointed to assist on Claims.

Previous experience

After graduation from Cambridge, Dr Love worked for Binnie and Partners. He was engaged principally on two major projects, firstly the construction of artificial islands in the Beaufort Sea employing reinforced soil techniques including a field trial, and then on a feasibility study for embankment construction for the Severn Tidal Barrage.

His research at Oxford University from 1981 to 1984 investigated the behaviour of reinforced soil, in particular the behaviour of geogrid reinforcement in granular and soft cohesive soils. The research was directed towards the design of roads over soft clay, and the concepts may be applied to the use of reinforced soil generally.

From 1984 to 1988 Dr Love worked for Ove Arup and Partners. As a member of Arup Geotechnics he was involved with all aspects of geotechnical work from ground investigation planning and supervision, to interpretation and selection of soil parameters, to design and supervision of foundation construction on site. Main projects included piled, raft and spread foundations for multi-storey buildings, often including deep basements in the London area. His work also included retaining wall design, embankment construction, the analysis of slope stability problems in over-consolidated clays, design of deep excavations in soft marine clay in Singapore, directional drilling, and the geotechnical implications of offshore disposal of nuclear waste. Dr Love also acted as the in-house specialist at Arup Geotechnics for reinforced earth construction and the use of geosynthetics, working on the design of reinforced soil structures in the UK, in Oman and the Far East, including embankments built over soft soil in China. Dr Love was the Resident Engineer during under-ream piling and deep basement secant pile wall construction for the National Gallery Extension, Trafalgar Square, London.