



Syd Pycroft BSc MSc DIC CGeol FGS AMICE **UK Registered Ground Engineering Adviser**

Director – Blue Anchor Ground Engineering Ltd

YEARS OF EXPERIENCE
39

EDUCATION

- MSc & DIC in Soil Mechanics, Imperial College, 1990
- BSc in Engineering Geology and Geotechnics, Portsmouth, 1977

PROFESSIONAL STATUS

- Chartered Geologist
- UK Registered Ground Engineering Adviser
- Fellow of the Geological Society
- Affiliate Member of the Institution of Civil Engineers
- Member of the British Geotechnical Association
- Construction Skills Certification Scheme (CSCS), Professionally Qualified Person

SELECTED PROJECT EXPERIENCE

- Anaklia Deep Sea Port, Georgia
- Ascot Racecourse Development, UK
- Bath Western Riverside, UK
- Cardiff Bay Barrage, UK
- Heathrow T3 MSCP West, UK
- King Abdullah Financial District, Riyadh, KSA
- Kuala Lumpur International Airport, Malaysia
- M4 J3-J12 Smart Motorway Programme, UK
- Marlowe Theatre, UK
- Msheireb Downtown Doha Project, Phase 2 & 3, Qatar
- National Museum Liverpool, UK
- Royal Shakespeare Theatre, UK
- Sabah Al Ahmad Sea City, Kuwait
- SERC Rail connection Cat 3 check, UK
- Southend-on-Sea Museum, UK
- Tanaka Building, Imperial College, London, UK

Director and founder of Blue Anchor with extensive experience in the geotechnical aspects of building, dredging, marine, and civil engineering projects.

Syd has almost 40 years' professional experience in geotechnical engineering. Nine years have been spent on the geotechnical aspects of dredging and coastal engineering projects, both in the offices of an international dredging contractor and on overseas sites. Over 25 years have been spent in consulting engineering, working on a wide range of civil and building engineering projects. In this time he has gained experience of the application of computer techniques in geotechnical design and of the manipulation and presentation of geotechnical data using computerised data management systems.

With wide experience of providing geotechnical solutions across a range of sectors, regions, and geological settings; Syd has worked on large and small projects across the UK and overseas. His experience of the manipulation and presentation of geotechnical data helps when communicating complex geotechnical issues to non-specialist members of project teams.

He is at home working with multidisciplinary teams and seeks to manage risk associated with the ground throughout a project's lifecycle. Syd believes that it is better to avoid problems through an early understanding of the ground model and appropriate design solutions rather than having to solve problems late in a project's design, or even during construction.

Syd established Blue Anchor Ground Engineering in 2012 and is now providing geotechnical investigation, interpretation and design support to multidisciplinary project delivery teams. His recent portfolio includes projects in the rail, highways, ports, commercial buildings and civil engineering sectors both in the UK and overseas.

Key Experience:

- Working in multidisciplinary project delivery teams;
- Design of foundations, basements, and retaining structures;
- Ground investigation in UK and overseas, including near-shore investigation;
- Slope stability analyses;
- Geotechnical aspects of major dredging and reclamation works;
- Design of earthworks and ground improvement schemes;
- Use of computers for geotechnical design, analysis and management of geological and geotechnical data;
- Projects in Europe, the Middle East, Asia, Australia, Africa and Central America.

Employment History:

Blue Anchor Ground Engineering Ltd 2012 to Present

Director

Buro Happold 2001 – 2012

Associate Director 2009 to 2012

Associate 2001 to 2009

Halcrow Group Ltd (formerly Sir William Halcrow & Partners Ltd) 1990 – 2001

Senior Engineer

Volker Stevin Dredging bv, The Netherlands 1980 - 1989

Senior Engineer 1986 to 1989

Engineer 1980 to 1986

University of Newcastle upon Tyne 1977 - 1980

Junior Research Associate, Department of Mining Engineering

Committees:

Association of Geotechnical and Geoenvironmental Specialists (AGS), committee member of the AGS Data Management Working Group and the Loss Prevention Working Group.

Geological Society chartership scrutineer.

UK Register of Ground Engineering Professionals (RoGEP) assessor.

Publications:

Nicholls R A and Pycroft A S: 'Plots of numbers - description of the computerised geotechnical data management system developed by Halcrow', Ground Engineering, November 1996.

Nicholls R A, Pycroft A S, *et al*: 'Use of piezocones during earthworks design for the new Kuala Lumpur airport, Malaysia', International Symposium on Cone Penetration Testing - CPT'95, Linköping, Sweden, October 1995.

Nicholls R A, Pycroft A S *et al*: 'From Paper to Silicon Chip - The Growing Art of Computerised Data Management', International Conference on Advances in Site Investigation Practice, ICE London, 1995.

Pycroft A S: 'Use of a Spreadsheet Program to Solve the One Dimensional Consolidation Problem', MSc Dissertation, Imperial College, 1990.

Athmer J B E M and Pycroft A S: 'Methods and results of quality control for hydraulically placed sandfill', Proceedings of the 11th World Dredging Congress, Brighton, UK, 1986.

Fowell R J and Pycroft A S: 'Rock machinability studies for the assessment of tunnelling machine performance', Proceedings of the 21st US Symposium on Rock Mechanics, University of Missouri, Rolla, 1980.

Languages:

English, Dutch