

CURRICULUM VITAE

IAN FINNIE
Director

DATE OF BIRTH	19 July 1966
NATIONALITY	Australian & British
ACADEMIC BACKGROUND	PhD (Geotechnical Engineering), University of Western Australia, (1993) BSc First Class Honours (Civil Engineering), University of Manchester, (1988)
PROFESSIONAL AFFILIATIONS	Chartered Professional Engineer Member of the Institute of Australian Engineers Member, Australian Geomechanics Society Committee Member of the American Petroleum Institute (API) Research Group 7 Committee Member of the International Standards Organisation (ISO) Research Panel 4 Committee Member of the Society for Underwater Technology (SUT/OSIG)
COUNTRIES WORKED IN	United Kingdom; Australia; France; Holland; Italy; Norway; Tunisia; Libya; Dubai; Iran; Singapore; Indonesia; Malaysia; USA; Canada
LANGUAGE PROFICIENCY	English
EXPERTISE	Business leadership and strategy. Verification and certification, design appraisal. Offshore and onshore geotechnical engineering design.
PROJECT EXPERIENCE	<ul style="list-style-type: none">• Agip's Aquilla development, Adriatic Sea. Design of anchors.• Agip Libya's NC41 development. Certification of the Sabratha platform. Review of associated pipeline stability and subsea foundations.• Amerada Hess's North Sea South Arne GBS. Numerical modelling of foundations• Apache's Bambra development, North-West Shelf Australia. Design of drilled and grouted piled foundations for well-head platform.• Apache's Wonnich development, North West Shelf of Australia. Pipeline stabilisation design.• Apache's Gypsy Development, North West Shelf of Australia.

- Pile stabilisation design and installation. Acting as client's representative offshore.
- Bluewater Waffa development. Classification of drag anchors for floating installation.
 - BHP's Angostura development in Trinidad. Review of pipeline stability.
 - BHP's Buffalo development, Timor Sea. Design of subsea foundations and anchors.
 - BP's Clair development. Certification of driven piled foundations in extremely hard clay for process platform. Independent push-over analysis. Review of associated subsea foundations.
 - BP's North Sea Hoton development. Design review and offshore verification of piled foundations for tripod jacket.
 - BP's Juno Development. Witness installation of Minerva Platform. Review of subsea foundations.
 - BP's Schehallion development. Verification of flowbase foundations.
 - BP's Shah Deniz development. Review of suction-installed bucket foundations for jacket.
 - BP's Tangghu development, Indonesia. Certification of platform foundations, pipeline stability and third party review of seismic hazard assessment.
 - British Gas' Miskar A development, Offshore Tunisia. Review of capacity of driven piles in calcareous sediments for existing platform.
 - Burlington's Irish Sea Millom development. Certification of subsea foundations and provision of installation advice.
 - Chevron's North Sea Alba Extreme South Development. Verification of towhead foundations. Review of AXS2 development extension subsea structures.
 - Chevron's PNG Gas development. Scoping of site investigation for near-shore and offshore LNG facilities.
 - Conoco-Phillips' Britannia Satellites development U.K. Sector, North Sea. Independent analysis, Britsats Bridge Linked Platform.
 - Conoco-Phillips' Compass Point development. Independent appraisal of LNG tank design.
 - Dong's Nini & Cecilie Platforms. Installation verification and review of the Stine subsea completion and pipeline.
 - Duke Energy's Tasmanian Natural Gas Project, Bass Strait. Appraisal of geotechnical aspects of the trans-Tasman pipeline, including the issues of on-bottom stability and scour.
 - Esso's Blackback development, Australia. Site investigation and design of subsea foundations.
 - Esso's Mackarel development, Australia. Subsea foundation design.
 - Esso's Scarborough Development, North West Shelf of Australia. Conceptual design of deep-water anchor options.
 - ExxonMobil's Sable Tier 2 development offshore Nova Scotia. Design certification of Thebaud compression platform.
 - Exxon's Sable development in offshore Nova Scotia. Witness

- installation of Alma platform.
- Enterprise Energy Ireland’s Atlantic Corrib development. Independent analysis of subsea foundations.
- JVPC Rang Dong development in Vietnam. Certification of 2 well-head platforms.
- Origin’s Yolla development, Offshore South Australia. Witness of ‘drill-ace’ platform installation. Independent review of site investigation and design parameters for a third-party, preliminary design audit, final design verification for Clough of short-skirted shallow foundation.
- Philip’s Bayu Undan development in the Timor Sea. Witness installation of CUQ and DPP platforms. Design review of foundation aspects.
- Philips/BHP: Bayu-Undan, Timor Sea. Site interpretation and conceptual design.
- PGS Banff development. Verification of subsea structures.
- Premier Oil: Anoa, Natuna Sea, Indonesia. Client’s Representative for site investigation and jackup rig move, and jacket interaction.
- Shell’s Nigerian Bonga development. Classification of suction caisson anchors in soft clays for FPSO.
- Shell’s Cleaver Bank High development. Verification of Clipper PR & PM and Carrack QA platforms.
- Shell’s EA Field Development, West Africa. Verification of foundation design for piled jackets.
- Shell’s Goldeneye Platform. Verification and independent fatigue analysis.
- Shell’s Kestrel development. Certification of subsea foundations.
- Shell’s Leman development. Re-appraisal and verification of AK and AP platforms.
- Shell’s Malampaya development Philippines. Scoping for site investigation and client’s rep for lab testing and production of interpretative report.
- Shell’s Soroosh and Nowrooz development, Persian Gulf. Client’s representative for site investigation.
- Shell/Nam K17 in Dutch Sector of North Sea. Independent analysis of monopile foundation.
- Soekor’s Sable development. Classification of driven piled anchors, and verification of subsea foundations and pipeline stability for Bluewater.
- Total Fina Elf’s Carina and Aries platforms, Offshore Argentina. Verification of piled foundations.
- Unocal Hoorn Platform. Independent pushover analysis as part of jacket member redundancy study, including pile buckling appraisal.
- WAPET’s Gorgon Development, North West Shelf of Australia. Conceptual design of anchors.
- WAPET’s Gorgon LNG site, Australia. Site Interpretation.
- Williams Energy Services Devil’s Tower development. Review of subsea structures.
- Wintershall’s F16A Platform. Certification through independent

- analysis.
- Woodside’s Angel development. Validation of platform foundation design.
- Woodside’s Echo Yodel field, North-West Shelf Australia. Site interpretation
- Woodside’s Enfield development in the North West Shelf Australia. Classification of drag anchors.
- Woodside: Goodwyn A, North West Shelf of Australia. Reappraisal of foundations for updated metocean data.
- Woodside’s Otway development offshore Victoria, Australia. Design review of drilled and grouted piles for well-head platform foundations. Certification witness for platform installation.
- Woodside: Northern Australia Gas Venture LNG and Domgas facility, NT, Australia. Site Interpretation.
- Woodside: North Rankin A, North West Shelf of Australia. Reappraisal of foundations for updated metocean data.
- Woodside’s Sunrise Troubadour and Loxton Shoals development, Timor Sea. Site interpretation and conceptual design.
- Woodside’s Vincent & Enfield fields, North-West Shelf Australia. Site interpretation and conceptual design of anchors.

EMPLOYMENT HISTORY

Advanced Geomechanics Director	February 2009	Present
Western Australian Energy Research Alliance Chief Executive	August 2006	January 2009
Lloyds Register Design Appraisal Manager	October 2005	August 2006
Fixed Structures Section Head,	July 2002	October 2005
Principal Geotechnical Engineer	July 2001	July 2002
Advanced Geomechanics Senior Engineer / Associate	June 1996	July 2001
Scott Wilson Kirkpatrick Project Engineer	August 1994	June 1996
The University of Nottingham Research Fellow	February 1994	August 1994
The University of Western Australia Tutor	March 1989	November 1993
Fugro McClelland Ltd Engineer	June 1988	March 1989
British Rail Engineering Student Engineer	June 1985	July 1988

AWARDS

Institution of Civil Engineers' Prize for outstanding undergraduate performance (1988)
Taylor Woodrow Prize for structural engineering (1988)
Jack Allen Prize for fluid dynamics (1988)
Research Studentship, University of Western Australia (1989-1993)
International Soil and Rock Mechanics Scholarship (1995)

PUBLICATIONS LIST

Conference Papers

Randolph M.F., Finnie I.M.S. and Joer H. (1993). "Performance of shallow and deep foundations in calcareous soil", International Seminar on Regional Soils, Kagoshima, Japan, pp 169-220.

Finnie I.M.S. and Randolph M.F. (1994). "Punch-through and liquefaction induced failure of shallow foundations on calcareous sediments", Proceedings International Conference on Behaviour of Offshore Structures, BOSS 1994, Boston, Vol. 1, pp 217-230.

Finnie I.M.S. and Randolph M.F. (1994). "Bearing response of shallow foundations in uncemented calcareous soil", Proceedings International Conference Centrifuge 1994.

Finnie I.M.S., Andersen, K, Nowacki, F and Hospers, B (1998). "Cyclic simple shear behaviour of a carbonate sand", Proceedings 2nd Conference on Calcareous Soils, Bahrain.

Schroeder K. and Finnie I.M.S. (1999). "Catenary and Taut Leg Moored Floating Structures", Proceedings Australian Oil and Gas Conference, Perth.

Stewart D.P. and Finnie I.M.S (2001). "Interaction of jackup spudcans with seabed depressions". International Society of Offshore and Polar Engineers.

Finnie I.M.S and Hefer P. (2002). "The Cyclic Resilience of Calcareous Sediments". The Society for Underwater Technology.

Finnie I.M.S and Morgan N. (2003). "Torsional Loading of Subsea Structures". International Society of Offshore and Polar Engineers.

Morgan N. Finnie I.M.S and Stewart G (2005). "Foundation Capacity of Piled Jackets". International Society for Frontiers in Offshore Geotechnics.

Theses

Finnie I.M.S. (1993). "The performance of shallow foundations in calcareous soil", PhD. Thesis, The University of Western Australia.

Finnie I.M.S. (1988). "Modelling of ship impacts into sand beaches", Honours Thesis, The University of Manchester.