

# *CURRICULUM VITAE*

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**MOHAMED S KHORSHID**  
**Director**

**DATE OF BIRTH:** 17 December 1946

**NATIONALITY:** Australian

**ACADEMIC BACKGROUND:** PhD, University of London (1974)  
M.Sc, University of London (1972)  
B.Sc (Civil Engineering), Ain Shams University, Cairo (1967)

**PROFESSIONAL AFFILIATIONS:** Chartered Professional Engineer  
Fellow, Institution of Engineers, Australia  
Member, Intl. Society of Soil Mech. and Geotechnical Engineering  
Member, Australian Geomechanics Society

**COUNTRIES WORKED IN:** Australia, United Kingdom, Brazil, Philippines, Egypt, Saudi Arabia

**EXPERTISE:** Geotechnical Engineering, Offshore Engineering, Project Management, Research, Formal Quality Systems and TQM.

**MAJOR PROJECT EXPERIENCE:**

- Geotechnical consulting services to Woodside's Otway project.
- Geotechnical consulting services to Woodside's Enfield project.
- Supervision of the Woollybutt Project site investigation and laboratory testing, preliminary foundation evaluation, design review of final foundation designs on behalf of AGIP.
- Review of the Myanmar Y2Y pipe installation and sedimentation modelling, Rangoon River, Burma for Unocal Thailand.
- Well casing analyses for cyclic thermal loading, Greater Wanea Wells for Woodside Energy.
- Well casing analyses for cyclic thermal loading, Echo Yodel Wells for Woodside Energy.
- Well casing analyses for cyclic loading, Thylacine and Geographe wells for Woodside Petroleum
- Scour assessment, Wencheng gravity base for CSOAP.
- Supervision of the PNG Gas Project site investigation and laboratory testing, preparation of interpretative report and preliminary foundation evaluation.
- Specification of acceptance criteria for the Benthic's PROD site investigation tool for Woodside Energy.
- Technical adviser to Woodside Petroleum for the small boat landing, Karratha.

- Supervision of the Legendre site investigation and associated geotechnical engineering studies.
- Engineering review for the Bayu-Undan preliminary engineering.
- Engineering advice to BOS Australia re Stag foundation problems.
- Supervision of the Malampaya site investigation and associated screening level geotechnical engineering studies.
- Geotechnical studies for proposed onshore plant and marine facilities for Woodside's Northern Business Unit.
- Preliminary foundation engineering for the Gorgon Development including supervision of preliminary site investigation, coordination of laboratory testing, preliminary engineering, formulation of special field testing requirements and associated probabilistic risk assessment.
- Assessment of offshore structure foundations on shallow carbonate banks in the Timor Sea.
- Riser base assessment for Wanaea/Cossack and Maui B.
- Assessment of offshore structure foundations on shallow carbonate banks in the Timor Sea including probabilistic risk assessment.
- External review of various foundation concepts, East Spar project.
- Foundation reliability assessment, North Rankin A jacket and flare support structure.
- Re-evaluation of belled pile foundation capacity, North Rankin A.
- Evaluation of fixed and floating developments for the Wanaea field
- Rankin trunkline stabilisation project.
- Shallow seismic investigation of the Goodwyn platform location and pipeline routes.
- Foundation design for both gravity base and piled developments for Goodwyn A platform. Development of static and cyclic laboratory testing to develop design criteria for gravity base and piled jacket options.
- North Rankin B Site investigations and the North Rankin A, phase 2 Site Investigation.
- Goodwyn A preliminary and final site investigation.
- North Rankin B Foundation Design.
- Development of underwater equipment for monitoring pile driving. Evaluation of North Rankin A pile capacities from dynamic pile driving data.
- North Rankin A Foundation Project which included conductor pull tests, plate load tests, grouted section tests, chemical grout tests, laboratory tests including static and cyclic triaxial, constant normal stiffness shear tests, rod index tests, fabric analyses etc.
- Overland Corner Large scale grouted pile test program.
- Design of foundations for Infusion Solutions factory in Jeddah.
- Project Manager, Infusion Solution Factory Jeddah.
- Foundation investigation and design for multi story building developments in Brisbane, Gold Coast and North Shore.
- Foundation investigation and design of industrial buildings in Brisbane.
- Research on rock fill dam design.
- Construction of an underground power generation plant.

<b>EMPLOYMENT HISTORY:</b>	Advanced Geomechanics, Perth Director	1994 - Present
	Woodside Offshore Petroleum, Perth Offshore Engineering Manager	1989 - 1994
	Geotechnical Co-ordinator, Goodwyn A Project	1987 - 1989
	Senior Geotechnical Engineer, North Rankin A Foundations Project	1984 - 1987
	Senior Geotechnical Engineer, Central Engineering	1983 - 1984
	Civil Engineer, Engineering and Construction	1981 - 1983
	Soil Surveys, Brisbane - Senior Engineer	1980 - 1981
	Infusion Solution Industries, Jeddah Saudi Arabia Project Manager	1977 - 1980
	CSIRO Division of Geomechanics, Melbourne Research Scientist	1974 - 1977
	Tenco, Construtora de Usinas Hidroelectricas Brazil, Site Engineer	1968 - 1969
<b>LANGUAGE PROFICIENCY:</b>	English, Arabic, French	
<b>AWARDS:</b>	E H Davis Lecturer 1989	
<b>PUBLICATIONS:</b>	Co-Editor of "Engineering for Calcareous Sediments", Proceedings of the Intl. Conference on Calcareous Sediments, Perth, 1988.	
	Co-author of eight technical papers	