

# *CURRICULUM VITAE*

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**JOHN P CARTER**

**DATE OF BIRTH:** 1950

**NATIONALITY:** Australian

**ACADEMIC BACKGROUND:** PhD, University of Sydney (1977)  
BE (Civil Engineering – Hons I), University of Sydney (1973)

**PROFESSIONAL AFFILIATIONS:** Chartered Professional Engineer  
Fellow, Institution of Engineers, Australia  
Member, American Society of Civil Engineers  
Member, Australian Geomechanics Society (Past National Chairman)  
Member, SAA Committee CE/25 Corrugated Metal Drainage Pipes and Arches

**COUNTRIES WORKED IN:** Australia, Britain, United States of America

**EXPERTISE:** Geotechnical Engineering, Offshore Geomechanics, Research, Teaching, Numerical Modelling, Computer Programme Development for Geotechnical Applications.

**MAJOR PROJECT EXPERIENCE:**

- Author of over 50 major consulting reports for a range of clients including mining companies, oil companies, other engineering consultancies and lawyers. Examples as follows.
- Underground cavern analysis and design, Chatswood-Parramatta Rail Link, NSW.
- Expert witness report on the design, construction and maintenance of an industrial car park, Sydney.
- Geotechnical Reviewer, for the design of the Yelgun to Chinderah, Pacific Highway bypass, NSW.
- Expert witness report, Thredbo Landslide, NSW
- Expert witness report, foundation problems - Ellerton Park Estate, NSW
- Retaining Wall Review, East Arm Port Development, Darwin.
- Expert witness report, Cook's River Cofferdam failure.
- Preliminary foundation engineering and specialised laboratory testing, Gorgon Development.

- Consultant to Amoco, Exxon Production Research, Woodside Offshore Petroleum Pty Ltd, Esso, Wapet, Bond Oil and BHP on pile foundations for offshore platforms
- Consultant to CSR-Humes, Rocla and the Concrete Pipe Association on problems of soil-structure interaction, including buried pipes.
- Consultant to various mining companies on aspects of underground mine stability.
- Consultant to various Geotechnical consultancies on foundation engineering problems.
- Director (1997-2000), Benthic GeoTech Pty Ltd, a joint venture company that designed, built and now operates PROD, a Portable Remotely Operated Drill for use in penetrating and recovering core samples from the ocean floor.

**EMPLOYMENT HISTORY:**

Advanced Geomechanics, Perth	
Director	1995 - Present
The University of Sydney	
Professor	1990 – Present
Reader	1988 – 1990
Senior Lecturer	1985 - 1987
Lecturer	1982 – 1984
Director, Centre for Geotechnical Research	1989 - Present
The University Queensland, Brisbane	
Lecturer in Geomechanics	1979 - 1982
The University of Cambridge	
Research Assistant, Soil Mechanics Group	1977 - 1979
The University of London, Kings College	
Research Student	1974

**LANGUAGE PROFICIENCY:**

English

**PUBLICATIONS:**

Summary: Authored or co-authored several book chapters  
Authored or co-authored approximately 200 technical papers