



RICHARD ROBINSON CV

DIRECTOR & CONSULTING ENGINEER



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Richard is one of the country's most experienced and respected risk and due diligence engineers, sharing his knowledge and expertise in books, academic papers and with some of Australia's biggest organisations.



He regularly presents on the advantages of adopting the precaution based approach to risk instead of the hazard based process, which has been dominant in Australia in recent times. This position is consistent with the provisions of the WHS Act.

With a Bachelor of Engineering (Mechanical) from Monash University, Richard started as a Trainee Engineer with Factory Mutual Engineering Association based in Missouri in the USA.

From here he returned to Australia and worked in the company's Melbourne office where he worked with big name clients including GMH, Borg Warner and Ford.

As he moved across several risk management companies including M&M Protection Consultants, RW Browning & Associates and Gutteridge Haskins and Davey Pty Ltd, Richard worked for many notable corporate clients. Those clients included CSR, Mobil, Kenworth, Nabisco, Cadbury Schweppes and CBA Bank.

In 1985, Richard was a Founding Director of VRJ Risk Engineers - a position he held until January 1996. The opportunity saw Richard conducting the Australian Air Space Classification System risk analysis and developing five Risk Management Learning Guides for BHP Transport - among many other projects.

While with VRJ Risk Engineers, Richard also served as expert witness for solicitors including Carew Counsel, Freehills, Phillips Fox and others.

From VRJ Risk Engineers, Richard moved on to found due diligence and risk management consultancy R2A Due Diligence Engineers and in this role, he leads a team of career risk and due diligence engineers specialising in industries including aviation, defence, mining, power, process including gas, rail, road, shipping and water.



CONSULTING EXPERIENCE

CONSULTING DUE DILIGENCE ENGINEER DIRECTOR AND CHAIRMAN, R2A PTY LTD

Dates: 1996 - Present

R2A is an independent practice of due diligence engineers, specialising in the provision of engineering consulting services, expert due diligence, risk management advice, risk management tools, risk management application, education and general trouble shooting.

As the Director and Chairman of R2A, key roles include:

- Engineering due diligence and organisational risk control
- Construction of due diligence arguments and risk and reliability based models for common law and for investment payback criteria
- Short course presentations and liability briefings
- Facilitating workshops
- Appearing as an expert witness
- Principal author of *Risk & Reliability: Engineering Due Diligence* - now in its 8th edition.

Other highlights in this position have included:

- Developing of alternate airspace collision risk models for the Civil Aviation Authority New Zealand, and for the Office of Airspace Regulation in Australia
- Strategic reviews for the Marina Coastal Expressway Singapore and for the Tugun bypass on the Gold Coast
- Due Diligence reviews for rock falls in cuttings for Railcorp NSW
- Hazardous atmospheres in laboratories (CSIRO)
- Various SIL (Safety Integrity Levels) allocation studies for intelligent transport systems and process centered systems.
- Member of the ministerial peer review panel for the Eildon Dam Alliance Project
- Member of the Independent Blasting Audit Team, Department of Minerals & Energy, WA (Western Mining Corporation Nickel & Gold).
- Availability due diligence studies for water, coal and process industries.
- Expert risk management member of the Victorian Powerline Bushfire Safety Taskforce.



EDUCATION & TRAINING EXPERIENCE

Current: Senior Lecturer
Swinburne University, Post-Graduate Unit

'Introduction to Risk and Due Diligence'

Current: Risk Management Expert/Presenter
Engineering Education Australia

'Risk and Liability Management'

Current: Training Advisory Board Member
The Australasian Marine Pilot Institute

PROFESSIONAL EXPERIENCE

- Honorary Fellow (2010), Australian Marine Pilots Institute.
- Presenter (2004-06), Risk Management, Australian Institute of Company Directors.
- Member (2004), Eildon Dam Ministerial Review Panel, DSE Victoria.
- Chairman (2001-04), Engineers Media (Engineers Australia Pty Ltd), Sydney.
- Director (1997-2000) Tmesis Gallery, Mt Eliza.
- Member (1998) Independent Blasting Audit Team, DME-WMC, Western Australia.
- Chairman (1993-98) Course Advisory Committee, RMIT Pilot Centre, Point Cook.
- Chairman (1993), Victoria Division, Engineers Australia.
- Fellow (1993), Engineers Australia.
- Elected Member (1992-94), National Council, Engineers Australia.
- Chairman (1987-88), Masters of Systems Engineering Course Advisory Committee, RMIT.
- Inaugural Lecturer (1985-87), RMIT, Context Curriculum Subject, The Maker and The Made.
- Chairman (1984), Education Branch, Victoria Division, Engineers Australia.
- Member (1983), Society of Fire Protection Engineers (USA).
- Member (1981-82), Caulfield Institute Computer Abuse Research Bureau (CITCARB).
- Elected Member (1978-1993), Victoria Division, Engineers Australia.



QUALIFICATIONS

University of Melbourne
BA, Philosophy
1979 - 1981

Monash University
BE, Mechanical Engineering
1971 - 1974



PUBLICATIONS

RISK & RELIABILITY - ENGINEERING DUE DILIGENCE

8th Edition (2010). R2A Pty Ltd. Melbourne.

RISK & LIABILITY MANAGEMENT

Engineering Education Australia, 2005.

A graduate distance education unit for Engineering Education Australia,
validated by Deakin University.

PROFESSIONAL DEVELOPMENT HANDBOOK

Institution of Engineers, Australia, 144p, 1986.



DUE DILIGENCE ENGINEERS

ABN 66 115 818 338

Level 1, 55 Hardware Lane
Melbourne, VIC, 3000
Australia

P +1300 772 333

F +61 3 9670 6360

E reception@r2a.com.au

W www.r2a.com.au

