

CURRICULUM VITAE

NAME: RICHARD GILMOUR BILLET

YEAR OF BIRTH: 1981

ACADEMIC QUALIFICATIONS:

Bachelor of Engineering (Mechanical) 2004 The University of Queensland, St Lucia

Bachelor of Business (Management) (Business Economics) 2004 The University of Queensland, St Lucia

AWARDS:

Dean's Commendation, 2004

CAREER APPOINTMENTS:

2010 – Senior Consultant, Gilmore Engineers – e3k Global
2009 – 2010 Research & Development Engineer, Gilmore Engineers – e3k Global
2005 – 2008 Mechanical Engineer, New Product Development, The Riviera Group
2004 – 2005 Undergraduate Mechanical Engineer, The Riviera Group

BIOGRAPHICAL NOTES

Richard Billett is a Senior Consultant, e3k Global, the New Product Division of Gilmore Engineers Pty Ltd, Research, Development and Commercialisation Specialists.

He received his Bachelor of Mechanical Engineering degree in 2004, from The University of Queensland, Australia. He also completed a Bachelor of Business (Management) degree in 2004, majoring in Business Economics.

In 2005, Richard joined The Riviera Group, builder of luxury powerboats on the Gold Coast, Australia, as a Graduate Mechanical Engineer working in the New Product Development division. He worked on the design and implementation of the mechanical, structural and liveability (HVAC) systems on all new models and across the entire range of Riviera's existing powerboat range. During this time, he developed skills in advanced CAD (Computer Assisted Design) and mechanical design of various drive systems.

In 2009, Richard joined Gilmore Engineers Pty Ltd as a Research and Development Engineer. He has worked on numerous design projects and developed expertise in concept generation and engineering analysis, three dimensional computer modelling, prototype testing and Computational Fluid Dynamics (CFD).

E3k Global specialises in Industrial Research and Development, particularly New Product Development and Commercialisation for Global Products. This activity requires a broad knowledge of Engineering, from which ideas and fresh approaches to problem-solving can be

drawn. Complete products which satisfy an identified market and consumer demand are created from initial concepts, or partially developed devices. This requires a highly creative and experienced approach, together with cross-fertilisation of ideas from other disciplines to enable them to be world competitive and suitable for export. A complete idea-generation, design, prototype development and testing service is provided. Commercialisation and manufacture of the product is considered constantly with assistance being given in protecting Intellectual Property, conducting market research, liaison with regulatory authorities, and importantly interacting with sources of finance.

A noteworthy project Richard led was the successful dynamometer testing of a novel internal combustion engine that had been developed and prototyped by e3k. This provided valuable experience in the design of the fuel injection and ignition maps for a non-conventional combustion engine.

Richard's Computational Fluid Dynamics experience includes extensive design and analysis of a tidal power-generating turbine and a study of wake flows from a power boat.

As part of the Gilmore Engineers Pty Ltd team, Richard investigates incidents and prepares expert engineering evidence for the legal profession of Australia. This evidence, provided by Gilmore Engineers, has ranged from detailed failure analysis of major industrial accidents, to motor vehicle accident re-construction and personal injury.