

## CURRICULUM VITAE

**NAME:** LYDIA KAY GOH

**YEAR OF BIRTH:** 1982

### ACADEMIC QUALIFICATIONS:

Bachelor of Engineering 2005 University of New South Wales, Australia  
(Mechatronic – 1<sup>st</sup> Class Honours)

Master of Engineering Science 2005 University of New South Wales, Australia  
(Mechanical)

### CAREER APPOINTMENTS:

2011 – Senior Consultant, Gilmore Engineers – e3k Global  
2008 – 2011 Research & Development Engineer, Gilmore Engineers – e3k Global  
2007 – 2008 System Design Engineer, Swisslog Australia  
2006 – 2007 Project Systems Engineer, Swisslog Australia

## BIOGRAPHICAL NOTES

Lydia Goh is a Senior Consultant with e3k, the New Product Division of Gilmore Engineers Pty Ltd, Research, Development and Commercialisation Specialists.

She attained a degree in Bachelor of Engineering (Mechatronics) in 2005, with First Class Honours from The University of New South Wales, Australia. During her study at UNSW she also completed a Masters Degree in Engineering Science (Mechanical).

Lydia was previously employed with warehouse logistics consultant Swisslog Australia Pty Ltd. As Project Systems Engineer, she assisted in the implementation of automated warehouse systems from supply and installation through to commissioning and ramp up of operations, for customers such as Fosters Wine Estates and Coca Cola Amatil. She was tasked with management of upgrade projects for existing plant, including electromechanical installations and enhancements to the warehouse management software systems (WMS), carried out with minimal disruption to daily operations.

Lydia also worked for Swisslog Australia in the Sales and Design team as a Systems Design Engineer, contributing to the design, development and presentation of logistics solutions for new and existing clients. Key elements of her experience include customer and supplier liaison, technical analysis of material flow, turnkey time and budget estimation, project planning and maintenance planning.

In 2008, Lydia joined e3k as a Research and Development Engineer. At e3k, multi-disciplinary skills were required by a range of projects, including conceptual development, engineering analysis, computer-aided design (CAD), computational fluid dynamics (CFD) and finite element analysis (FEA).

E3k Global specialises in Industrial Research and Development, particularly New Product Development and Commercialisation. The engineers of e3k possess a broad knowledge of Engineering, from which ideas and fresh approaches to problem-solving can be drawn. Complete products to satisfy an identified market and consumer demand are created from initial concepts or partially developed ideas. This requires a highly creative and experienced approach, together with cross-fertilisation of ideas from other disciplines.

E3k Global provides a complete idea-generation, design, prototype development and testing service. Commercialisation and manufacture of the product is considered, with assistance given in protecting Intellectual Property, conducting market research, liaising with regulatory authorities and interacting with financial sources. Tasks in the specialty area of industrial research and development have ranged from the successful conceptual development and commercialisation of new products for mass production manufacturers, through assessment and modification of major equipment installations, to the design of specialist machinery.

As part of the Gilmore Engineers Pty Ltd team, Lydia contributes her investigative and analytical skills in the preparation of expert engineering evidence for the legal profession of Australia. Gilmore Engineers provides evidence as a result of detailed research and investigation into far-ranging scenarios including failure analysis of industrial incidents, personal injury incidents, ergonomic analysis and risk assessment, interpretation of patents and copyrights, and reconstruction of motor vehicle accidents.