

Summary of Qualifications, Training & Employment

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1 Qualifications

Qualification	Provider	Date
Associate Diploma of Electrical Engineering	ADFA	1987
Electrical Fitter Mechanic, Electronic Systems	RAN	1987

2 Membership of Institutions

Institution	Membership Category	Member Since
Engineers Australia	Technical Society Member	2014
Railway Technical Society of Australasia		2014

3 Other Training

Training Course	Provider	Date
EL_AC5 – Converters for Rail Applications	Siemens AG	2014
EL_AC2 – AC Substations	Siemens AG	2009
EL_AC-DC6 – Station Control and Protection Systems for Traction Power Supplies	Siemens AG	2013
EL_FL2 – Interaction between Pantographs and OHL	Siemens AG	2016
EL_FL3 – Arrangement of OHL Systems	Siemens AG	2011

4 Employment History

Period	Organisation	Title & Responsibilities
July 2017 – Present	Siemens Mobility Pty. Ltd.	<p>Solutions Architect</p> <p>Embedded in the tendering team as a Solutions Architect to develop technical solutions that will be offered as a response to RFQs for Traction Power and Overhead Line Systems.</p> <p>Utilising the experience gained by in-depth exposure to Traction Power Systems both track-side, and on board electric heavy haul locomotives, as well as Overhead Contact Line Systems to develop solutions that best meets requirements.</p> <p>Requirements Management, including the use of 'DOORS' software to ensure validation and compliance to technical specifications and standards.</p> <p>A specialised technical resource for Account Managers when Rail Electrification specific discussions with customers are required.</p>
Jan 2015 – June 2017	Siemens AG – Mobility Division	<p>Chief Engineer – Converter Control Applications</p> <p>Based in Germany, successfully completed a project to install 2 x 30MW 230kV 60Hz to 13.2kV 25Hz Static Frequency Converters. Responsibilities included the assignment of engineering resources to ensure design and engineering tasks are completed in a timely and efficient manner, reviewing all technical and engineering outputs (i.e. simulations, models, reports, etc.) and coordinate customer comments and expectations.</p> <p>Managed technical interfaces between the various elements of a static frequency converter, both internal and external, and review the various engineering sub-tasks ensuring that they fulfil the needs of Requirements Management.</p> <p>Monitor progress and accuracy of content of all engineering deliverables and leads and participates in internal and external design review meetings.</p> <p>Technical lead in responding to various RFQs for Static Frequency Converters world-wide.</p>
April 2007 – Dec 2014	Siemens Ltd – Mobility Division	<p>Business Development Manager – Rail Electrification</p> <p>Development of Siemens Rail Electrification Business from zero market share to an established supplier in the Australian Traction Power market.</p> <p>Bid management of major tender responses, pulling together various elements of scope including intercompany resources and products, as well as third party suppliers and consortium partners. This included translating of German technical documentation into English.</p> <p>Developed and implemented business strategies to position Siemens as a major player in the local Rail Electrification market and used extensive market and competitor knowledge to identify and develop unique selling propositions and differentiators, working with technical resources, locally and in Germany, to meet customer needs.</p>

Period	Organisation	Title & Responsibilities
Nov 2001 – April 2007	Siemens Ltd – Mobility Division	<p>Senior Project Engineer – Heavy Haul Locomotives</p> <p>Engineering Manager for the 3700 Class Locomotive Upgrade Project for the upgrade of electrical propulsion systems on 3 prototype vehicles of Queensland Rail's existing fleet of 31/3200 DC Traction Locomotives and a subsequent 60 additional 31/3200 DC Traction Locomotives.</p> <p>Technical lead during contract negotiations between Siemens and Queensland Rail prior to the award of the contract for Prototype Locomotives in March 2003 and the technical interface between Queensland Rail and Siemens AG Rollingstock division and the mechanical subcontractor during the entire design and construction phase.</p> <p>Responsible for Validation and Compliance of all mechanical and electrical aspects to ensure final registration of vehicles with Queensland Rail was achieved according to program.</p> <p>Coordinated and participated in extensive in-service testing and commissioning, including the arranging of resources from all stakeholders and ensuring access to vehicles and track.</p>
April 1999 – Nov 2001	Siemens Westinghouse	Sales Manager
April 1997 – April 1999	Siemens Westinghouse	Sales Engineer
Aug 1992 – April 1997	Westinghouse Industrial Services	Applications Engineer
Jan 1990 – July 1992	Royal Australian Navy	Assistant Workshop Supervisor
July 1983 – Jan 1990	Royal Australian Navy	Systems Maintainer

5 Skills & Experience

Skill	Details
Extensive Rail Industry Experience	Over 25 years experience in the rail industry, with detailed exposure to Heavy Haul Electric Locomotive Traction Power Systems, Light Rail Energy Storage Systems, AC and DC Traction Power Systems including Static Frequency Converters and Overhead Contact Line Systems.
Engineering Management	Responsible for the coordination of engineering resources as part of various rail industry projects. This includes electrical as well as non-electrical engineering disciplines
Systems Engineering	Having filled roles in Management, Engineering, Technical Services and Maintenance, all heavily focussed towards Power Distribution, Power Quality and Rolling Stock have given me the ability to conceptualise Solutions and Innovations that take into consideration the 'Big Picture', rather than focussing on any one single aspect.
Technical Translation	Translation of various documentation from German to English and English to German, including: Product Brochures, Installation Guides, Quality Manuals, Process Documentation, Business Management Plans, Engineering Documentation, Commercial Documents etc.