



ROBERT BASFORD MIEAust CPEng

Principal Consultant
QinetiQ Australia

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CURRICULUM VITAE APR 2024

Robert Cole Basford MIEAust CPEng NER

Principal Consultant, QinetiQ Australia

Defence Maritime Engineering & ICT Program/Project Management

Overview

Chartered Professional Engineer, National Engineering Register, Asia Pacific Economic Co-operation Engineer, The Institution of Engineers Australia, business leader with integrity, Inventor, resilient and resourceful (CV otso.com.au/cv.html), ex-Royal Australian Navy Marine Engineering Officer, Institute of Marine Engineers Bicentenary Silver Medal winner, ex-Australian Regular Army Engineering Officer and Royal Military College of Australia Graduate #2888 in UNSW Engineering Faculty of Military Studies & UNSW Master of Commerce in Information Systems. I've had five careers across four industries in three countries over two continents. Returning to Sydney August 2020 I've been Canberra based since June 2023. Previously in Germany (NATO15) as an Information Systems Program Manager for Nokia Maps and HERE Technologies, and previously in Finland (NATO31) with Nokia Corporation, Nokia Networks, and Nokia Siemens Networks.

Qualifications

- [Post Graduate Diploma in Digital Business EMERITUS / MIT Executive Education](#)
- [Master of Commerce in Information Systems UNSW Sydney](#)
- [Bachelor of Engineering in Mechanical Engineering UNSW Canberra](#)
- [Certificate in Naval Architecture Sydney Technical College](#)
- [Certified Graduate of the Royal Military College of Australia \(#2888\)](#)

Industry Accreditations and Memberships

- [Member 388009-01012-46409, The Institution of Engineers Australia: College of Mechanical Engineers](#)
- Member 102100, Royal Australian Navy Sailing Association

Australian Government Security Clearance

- Australian Government Negative Vetting 1 security clearance (Granted 02/03/2022)
- Australian Government Baseline security clearance (Granted 30/08/2021)



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Employment History

QinetiQ Australia

PRINCIPAL CONSULTANT

(JUNE 2023 TO PRESENT)

Maritime Systems Integration Business Development

Support and Test Equipment Lead [AIR 7000 Phase 1B](#)

SENIOR PROJECT MANAGER

(OCTOBER 2021 TO MAY 2023)

Senior Project Management within Australian Army Research Centre "IXG Makerspace" to lead, develop, and deliver agile methodologies and solutions with active innovation and support teams. Embedded with Army IXG Innovation and Experimentation Group at Holsworthy Barracks, Sydney, NSW. Marine and automotive modification original designs and technical drawings. Current technical research into "Hydrogen in Defence and other Industries including RAS", Re: <https://www.otso.com.au/about.html>

Slottsbacken Ltd Germany / OTSO Australia

SENIOR TECHNICAL CONSULTANT

(APRIL 2019 TO SEPTEMBER 2021)

Re: <https://www.otso.com.au/de-exp.html> / <https://www.otso.com.au/about.html>

HERE Technologies GmbH, Germany

SENIOR PROGRAM MANAGER

(JULY 2013 TO MARCH 2019)

Re: <https://www.otso.com.au/de-exp.html>

Nokia Corporation, Finland

SENIOR PROGRAM MANAGER

(APRIL 2000 TO JUNE 2013)

Re: <https://www.otso.com.au/fi-exp.html>

Marioff Corporation, Finland

QUALITY ASSURANCE MANAGER

(OCTOBER 1997 TO MARCH 2000)

Re: <https://www.otso.com.au/fi-exp.html>

Earlier employment history

1990-1997 Royal Australian Navy – Director IT Resources, Re: <https://www.otso.com.au/auswe-exp.html>

1978-1990 Australian Regular Army – Senior Engineering Manager, Re: <https://www.otso.com.au/aus-exp.html>



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Professional Experience

Information Systems Program Management

HERE Technologies GmbH

Successfully managed agile delivery of the Last Mile Guidance (non-GPS) program that included private and public venues modelling, routing, points of interest and indoor positioning and with mobile application and cloud based web technology. Successfully managed to attain inventor status for the team against intellectual property created. Presented technically advanced engineering solutions to a wide range of external customers, partners and pre-sales opportunities.

Information Communication Technology Program Management

Successfully led the state-of-the-art digital cartography program Nokia Locate 3D to Minimum Viable Product level with individual presentations to Nokia CEO and the entire Nokia leadership team.

Successfully delivered for CEO three of the top 25 agile projects to enable global enterprise logistics go-live of the multi-billion USD Windows Phone and the Windows Phone Platform.

Successfully delivered IT and ICT programs and projects for Nokia Group, Nokia Networks, and Nokia Siemens Networks.

Successfully delivered Public Safety and Security ICT network solutions to global customers.

Quality Assurance Management

Developed systems and processes in preparation for ISO9000:2000 and ISO14000 accreditation through quality and performance audits and metrics analysis. Managed EU CE certification process, which resulted in the company gaining accreditation across all product ranges. Management of internal audit systems, non-conformance reporting and systems documentation leading to increased sales and 80% market share during a rapid four-fold period of employee growth in 30 months.

Defence Engineering Royal Australian Navy

Directed the successful design, delivery and commissioning of the "green-fields" Naval Information Network to 15,000 employees Australia wide including all hardware, software, systems, processes, replacement Base Telecom Exchanges plus installation of two runs of optic fibre cable (Baseline & NV1) at every Naval Base.

Directed and project managed national replacement programs for main ship machinery and associated systems. Developed and integrated a computerized significant assembly replacement forecasting system that resulted in 20% budget savings & developed and integrated a national maintenance information system.

Planned major structural, mechanical, and electrical maintenance to ships HMAS SUCCESS, HMAS JERVIS BAY, and HMAS BRISBANE. At sea led daily Damage Control and Firefighting training exercises. As Marine Engineering Officer planned logistics projects for major ships systems maintenance periods. Completed the design and implementation planning for major compartment refurbishment.



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Defence Engineering Australian Regular Army

Senior Engineering Manager RAEME at 101st Field Workshop, 1st Watercraft Workshop, Perth Workshop Company, 22nd Construction Squadron Workshop, and 2nd Base Workshop Battalion. Non-engineering posts as Aide-De-Camp to the Governor of Tasmania, and Secretary Army Recruiting Unit, ADFA Selection. Conducted numerous multi-week training exercises throughout Australia, including multi-weapon multi-munition live field firing exercises, all without incident and culminating in successful outcomes and reports.