

## CURRICULUM VITAE

**NAME:** Richard Anthony Foster  
(Rick)



**POSITION** Principal, **Fire and Security Consulting Services**

**DATE OF BIRTH:** 1st. March 1946

**CITIZENSHIP:** Dual Australian and British  
(Australian & European Union passport holder)

**QUALIFICATIONS & AFFILIATIONS:** Registered Professional Engineer Queensland RPEQ 7753  
“**Mechanical & Fire Safety** – see attached letter from BPQE  
National Diploma in Mechanical Engineering (UK)  
(Endorsed by Institute of Marine Engineers).  
Professional Member, Society of Fire Protection Engineers (USA).  
Past member of the NSW Heritage Council Fire Advisory Panel.  
NSW WorkCover Authority. Accredited Consultant for the Assessment of Dangerous Goods Facilities.  
Accredited Consultant - Australian Chemical Industry Council.  
Department of Defence Security Accredited.  
NSW accredited Security Consultant (past).  
RAN Designated Design Authority

### **SPECIAL FIELDS OF COMPETENCE:**

- Design and implementation of performance based designs based for BCA “Alternative Solutions”.
- Safety, Fire Protection and Security Systems design and project management of commercial, industrial, aviation, residential, petrochemical and marine installations.
- Regulatory research, implementation and reporting on Building and Marine Regulations, Codes and Standards.
- Commercial, industrial, aviation, residential, petrochemical and marine facilities safety and compliance inspections and audits. Develop appropriate rectification specifications and programmes.
- Dangerous Goods, Risk Analysis, HAZOP and HAZAN studies and reporting for commercial, industrial, aviation, residential, petrochemical and marine facilities.
- Preparation of technical papers
- Technical manual development and production. Operator Training

**INTERNATIONAL EXPERIENCE:** Extensive Business, Design and Project Management experience throughout Australia, Asia, Europe, Africa, USA and the Middle East

**For additional information on work history see the FSCS web site:-**

<http://fscs-techtalk.com>

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## **SELECTED MAJOR PROJECTS:**

**UNIVERSITY OF TECHNOLOGY – SYDNEY**, Developed the Fire Engineering Curriculum, and conducted part time lecturing.

**VICTORIA TAFE** - Developed and wrote two education modules for the Associate Diploma in Fire Engineering.

**BALLARAT SCHOOL OF MINES** – Prepared TAFE Curriculum.

**QANTAS JET BASE** Sydney. Project Manager and systems designer for Deluge, Foam and Fire Detection systems in the B747 and B767 maintenance hangars and flight simulators. Developed integrated service and maintenance procedures for the entire base.

**BORAL GAS LTD**, Sydney, Project Manager and Systems Designer for new 27,000 tonne capacity LPG storage and distribution terminal including tanker loading and pumping facilities at Port Botany. Investigation of the failure of safety systems after the April 1990 fire and BLEVE at the Petersham LPG storage and distribution facility.

**MOBIL, NORTH SEA**, Fire Systems Designer for fire protection systems on Mobil Statfjord 'B' – an 800,000 tonne condeep platform, and Mobil Beryl 'B' - a 250,000 tonne steel jacket platform.

**ROYAL AUSTRALIAN NAVY**, Project Manager and Systems Designer for various vessels, including:- HMAS Success, Fleet Replenishment Vessel; Fremantle Class patrol boats; Huon Class Minehunter Coastal Project; Hydrographic Survey Vessels; HMAS Westralia; ANZAC Class Frigates; Collins Class submarines; FFG Frigates and the Inshore Minehunters.

**MARITIME SERVICES BOARD, NSW**, Project Manager for new Bulk Liquids and LPG Berth, Port Botany. Developed curriculum and conducted classroom and live fire training exercises for staff.

**AUSTRALIAN SUBMARINE CORPORATION**, Principal Consultant for Fire and Security Services at the new Submarine Assembly Facility.

**SYDNEY OPERA HOUSE**, Principal Consultant for Fire Services Upgrade.

**UNIVERSITY OF TECHNOLOGY, SYDNEY**, 3 CAMPUS SITES, Principal Consultant for Fire Services, and Principal Consultant performing computer modelling of sprinkler and ventilation performance during fire conditions to substantiate variance from Building Code.

**SYDNEY HARBOUR TUNNEL**, Principal Consultant for Fire Services. Developed innovative design strategies now considered to be the standard for Australian tunnels.

**SYDNEY 2000 OLYMPICS - STADIUM AUSTRALIA**, Review of Fire Engineering Design, developed alternative compliance for concession areas.

**NSW HEALTH**, Principal Consultant for the development of Fire and Life Safety upgrading, including Accreditation Compliance for Balmain, Royal Prince Alfred and Dame Edith Walker Hospitals in Sydney and St. Vincent's Hospital in Lismore.

**P & O COLD STORES – VERSACOLD** – Integrated Fire Engineering for **Murarrie** distribution centre.

**NATIONAL FOODS** – Integrated Fire Engineering for Crestmead Distribution Centre.

**SMITHS SNACKFOODS** – Integrated Fire Engineering for Tingalpa Warehouse extension.

**PRIMO SMALLGOODS** – Integrated Fire Engineering for New Walco manufacturing and warehousing facility.

**AMARIINA AGED CARE** – Integrated Fire Engineering for Windsor and Coolum facilities.

**SETTLERS COVE** – Integrated Fire Engineering for Riverlight and Iluka Apartments. Noosa.

**BUNDABERG BREWED DRINKS** – New warehouse.

**BHP BILLITON** – Integrated Fire Engineering for various mine and distribution sites.

**QUAD PARK Kawana** - Integrated Fire Engineering for spectator stand.

**SPIRITUS** (Anglicare), Fire Safety Consultant developing Fire Engineering solutions for multiple aged care facilities to meet Commonwealth Department of Health and Aged Care Regulations.

## **Technical papers, publications and presentations**

As a specialist Fire Engineer and an exponent in the field of Fire Protection and Building Code reform, I have, over many years, been asked to address conferences and provide technical papers for Industry publications.

**"The Design and Application of Marine Fire Protection Systems"** - presented to:

*The Institute of Marine Engineers.*

**"Fire Protection of Naval Vessels"** - presented to:

*Institute of Marine Engineers & Royal Institute of Naval Architects Symposium in Canberra.*

**"Fire Protection of Chemical Warehouses"** presented to:

*The Institute of Chemical Engineers and the Institution of Engineers Australia.*

**"Fire Detection - An Aid to a Cause"** - jointly presented with:

Mr. P Johnson of the Scientific Services Board of ACS (now Principal of ARUP Fire Engineering), to the *Institution of Fire Engineers' Fire Science Conference - Sydney.*

**"Fire Protection and Security in Warehouses"** presented to:

*The Logistics Management Association of Australia.*

**"Shipboard Fire Prevention and Detection"** Published in:

*The "Marine Engineers Review" - the Journal of the Institute of Marine Engineers - London.*

**"Life Safety and Fire Protection in Licensed Clubs"** presented to:

Secretaries & Management Association and "*Club Management in Australia*" journal.

**"Gaseous Fire Protection Systems"** presented to:

*Australian Fire Protection Association. A technical and environmental assessment:*

**"Fire Protection of the Sydney Harbour Tunnel"** - presented to;

*The Institution of Fire Engineers - Sydney. Followed by publication in "Fire Australia" journal (AFPA/IFE) and "Fire International" Journal and the ACADS Journal of Technical Computing.*

**"More flexible codes on the way"**. Published in:

*"Engineers Australia".*

**"Beware the New Legal Minefield in Property Legislation"** Published in:

*The InterData Environmental Resource Management Handbook.*

**"Today's Warehouses are at Great Risk"** Published in:

*Materials Handling Magazine.*

**"Industrial Sector Warehousing"** Presented to:

*Arup Fire*

**"Fire Protection Options for USL Vessels"** Presented to"

**Workboat World Conference Cairns**

**"Marine Legislation and Systems"** Published in:

*Workboat World*

30 April 2010

Rick Foster  
17 McKenna Court  
Noosaville  
QLD 4566

Dear Rick

### Registration as a Fire Engineer

I refer to your letter of 5 March and received by the Board on 8 March. I also refer to your email of 29 April.

As advised when you were initially registered with the Board of Professional Engineers in March 2006 the areas of engineering did not include Fire Safety Engineering. You were therefore registered in the area of Mechanical.

The Board has issued a policy to clarify the Board's position in relation to registered professional engineers (RPEQs) who were registered prior to 1 July 2008, a copy of which is attached for your information.

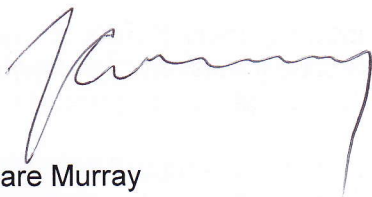
RPEQs will not be required to apply for registration in a new area of engineering which was not available prior to 1 July 2008 as long as the RPEQ is carrying out the same type of professional engineering services that they were providing at the time of their registration. RPEQs will be required to maintain their knowledge in that area of engineering.

As the area of fire engineering was not available when you were registered, as long as fire engineering is within your area of competence, you will be able to continue to provide professional engineering services without going through the new registration process. You will however continue to be registered in the area of Mechanical.

If you wish to be specifically registered in the area of Fire Safety Engineering, you will need to go through the new assessment process.

I trust this addresses your concerns.

Yours faithfully



Clare Murray  
**Registrar**  
**Solicitor**  
Email: [clare.murray@bpeq.qld.gov.au](mailto:clare.murray@bpeq.qld.gov.au)  
Tel: 07 3224 6375