



Eur Ing David William Mills, BSc (Hons), MIMechE, Ceng

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MAIN AREAS OF EXPERTISE

- Installation, commissioning and maintenance of Process and Service plant.
- Scheme design and initial project, specification and costing.
- Management of Commissioning Activities
- Control of Pharmaceutical, Chemical and Nuclear Plant maintenance activities
- Budget preparation and control.
- The management of craft and multi-disciplined teams.
- Implementation of condition monitoring RCM and continuous improvement programmes.
- Leading behavioural Change.
- Experience of process instrumentation and distributed control.
- Implementation of eProcurement solutions within the purchasing and supply function.
- Executive Coaching.

CAREER PROGRESSION

FREELANCE ENGINEERING CONSULTANT

July 2012 to Present

MAGNOX LTD., Trawsfynydd

August 2008 to July 2012

Senior Systems Engineer

- Nominated Responsible Engineer for the Decommissioning of two Defueled Nuclear Reactors.
- Author/Verifier for Nuclear Safety Cases.
- Control and supervision of contract Staff
- Responsible for defining the Statement of Requirements for all reactor inspection and corrosion monitoring activities to enable 100 year mothballing of the Trawsfynydd Reactors.
- Oversight of all engineering activities to ensure regulatory compliance.
- Preparing formal responses to the Office of Nuclear Regulation (ONR) on technical matters. on behalf of the Site Director
- Acted as Technical Expert for the Trawsfynydd Reactors.

ATOMIC WEAPONS ESTABLISHMENT, Aldermaston

2007 to 2008

Commissioning Manager

- Commissioning Manager on various capital Projects
- Active Commissioning Manager for the Aldermaston Full Scale test Facility
- Liaison with and supervision of contractors
- Commissioning Design Authority for commissioning activities

SELF EMPLOYED MOTORSPORT ENGINEER**2006 to 2007**

- Provided data acquisition support to professional motorsport
- Driver training and coaching for racing drivers in national and international series.
- Track support and car setup
- Data acquisition system sales to international professional motorsport
- Single seat racing car transmission development.

ASTRAZENECA Plc, Alderley Park**2001 to 2006****ARIBA Exploitation Manager (UK Purchasing)****2004 to 2006**

- Managed ARIBA supplier e-procurement enablement process
- Implementation manager for 3rd party engineering goods contract (£7M).
- Designed and implemented both standard and bespoke solutions for complex commodities within ARIBA BUYER e-procurement software.
- Acted as a change agent during the roll out of ARIBA Buyer.
- Underwent training for CIPS membership through the Corporate Award route.

Infrastructure Area Engineering Manager (Alderley Park)**2001 to 2004**

- Managed operation and maintenance of IPC registered 75MW Energy Centre and all site distribution systems including steam, HPHW (High pressure Hot Water), gas, nitrogen, water, vacuum etc. on a major pharmaceutical research site with a population of 5000 customers.
- Acted as site energy manager and chaired Company's UK energy network.
- Managed teams responsible for operation and maintenance of site fire and security systems.
- Acted as site responsible engineer for lifting equipment and legionella risk prevention.
- Managed infrastructure budget of £3m

ALBRIGHT & WILSON Ltd., Whitehaven**1996 to 2001****Supply Chain Management Project Team Member****2000 to 2001**

- Seconded Cambridge Management Consulting to implement a Fully Integrated Supply Chain and UK wide Management Information System.
- Worked at all levels of the organisation supporting Behavioural Change and management process redesign in the logistics function.

Plant Engineer**1996 to 2000**

- Acted as Engineering manager for a suite of plants that included a 300bar hydrogenation plant, a high temperature distillation plant, a natural gas to hydrogen reformer, an ethylene oxide plant and all associated support and services plants.
- Managed Mechanical, Electrical and Instrument and maintenance teams and their supervisors.
- Negotiated contracts for capital and revenue equipment and services.
- Instigated and co-ordinated a continuous improvement programme resulting in record production, reduced expenditure and dramatically improved plant reliability.
- Introduced and developed a condition monitoring regime.
- Planned and managed all major shut down activities.
- Ensured compliance with Health Safety and Environmental legislation (COMAH site).

- Managed all plant based Capital projects from concept through design to operation.
- Managed all Contract work engaged in project/maintenance work on the plant.

BRITISH NUCLEAR FUELS PLC, Sellafield **1989 to 1996**

Commissioning Engineer **1991 to 1996**

- Commissioned pipe work, service and vessel systems, including their instrumentation and distributed control, within the THORP (Thermal Oxide Reprocessing Plant).
- Managed testing activities, mechanical, electrical and instrumentation including the preparation of test documentation and commissioning programmes.
- Progressed pipe work installation to completion then transferred completed plant from the mechanical installation contractor to commissioning team.
- Resolved plant faults and co-ordinated remedial work from design through installation to retest.
- Redesigned and managed the testing programme for spent full cropping machine blades.

Maintenance Engineer **1989 – 1991**

- Prepared a strategy for, and then system managed, the set-up and data loading of the 'TEROMAN' computer-based maintenance system for 'THORP'.
- Trained in Spectral Analysis and Condition Monitoring at the Cranfield Institute.
- Advised on the strategy for the implementation of condition monitoring.

UNITED KINGDOM ATOMIC ENERGY AUTHORITY, Dounreay **1986 – 1989**

Plant Engineer

- Managed Maintenance section comprising two foremen and 18 craftsmen.
- Project managed all new work including budgetary control.

MARCONI SPACE SYSTEMS LTD, Portsmouth **1985 – 1986**

Stress Engineer

- Performed Stress Analysis using NASTRAN finite element analysis software.

RANDFONTEIN ESTATES GOLD MINING CO., South Africa **1983**

Vacation Student

- Gained valuable work experience on a process plant.

QUALIFICATIONS

- Certified Life/Executive Coach (Mindstore School of Coaching) **2002**
- Corporate Membership Institute of Mechanical Engineers (CEng, MIMechE) **1991**
- BSc Hons Mechanical Engineering - The University of Birmingham **1985**

PERSONAL DETAILS

Nationality British **Date of Birth:** 6 August 1962

European and South American Work Entitlements.

Outside Interests: I.Mech.E Overseas Representative and member of the I.Mech.E Americas Committee, Full Bore Rifle Target Shooting and Pistol to IPC rules, Mountain biking and Snow Boarding. Motorsport (as a driver in the British Hill Climb Championship until I retired in 2007). Web Design.