

DW Mills notes to support CV

Projects

I have been involved in Engineering (and change management) since the beginning of my career with Marconi Space Systems where I managed PERT charts for a satellite design and build project. (Part of Ronnie Reagan's Star Wars programme!)

With the UKEA as a plant engineer I was responsible for all the projects within my area which included all the solid and liquid nuclear waste streams.

At Sellafield I lead the design and development (including full scale mock-up and testing) of replacement fuel rod shearing blades a critical requirement at the time. My recommended design was installed and used throughout the THORP AGR fuel reprocessing programme.

At Albright Wilson as a Plant Engineer I managed all the project activities on the Fatty Alcohol Plant including major shutdown planning and execution. I was later seconded to Cambridge Management Consulting where I was part of the project team that implemented a Fully Integrated Supply Chain and UK wide Management Information System resulting in the financial turnaround of the company.

At AstraZeneca I produced an out sourcing proposal for the 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. This included replacement of 75MW boilers, a major project where I performed the Customer Engineer Role. At this time I had responsibility for the 3 Million GBP operation and maintenance budget.

At the completion of the above project I was promoted to the Role of ARIBA Exploitation Manager in which I managed the ARIBA supplier e-procurement enablement process and acted as implementation manager for the 3rd party engineering goods contract (£7M).

In 2006 I took time out of my career to concentrate on competing in 2 litre Class of the British Hillclimb Championship and provide driver coaching in professional motorsport business. High lights of the time were finishing third in Class in a national Championship and providing technical support to an LMP2 team at the UK round of the International Le Mans Series.

In 2007 I returned to my engineering Career taking on a Commissioning Managers role at AWE Aldermaston a key Role in the successful delivery of a number of major Capital Projects. This included the Active Commissioning of the Aldermaston Full Scale test Facility as well a major replacement project for a facility Cooling plant which included PLC controlled Cooling towers, chilled water and compressed air systems.

From autumn 2008 to mid 2012 I was employed as a Senior Systems Engineer where I was the Nominated Responsible Engineer for the Decommissioning of two Defueled Nuclear Reactors. I was responsible for defining the Statement of Requirements for all reactor inspection and corrosion monitoring activities to enable 100 year mothballing of the Trawsfynydd Reactors. I provided oversight of all engineering activities to ensure regulatory compliance and prepared formal responses to the Office of Nuclear Regulation (ONR) on technical matters on behalf of the Site Director. I also Designed and projected managed the in installation of the bespoke dehumidification plant used to remove excess water from one of the Reactor Cores, a critical part of the preparation process of the mothballing of the Trawsfynydd Reactors.

Since Mid 2012 I have undertaken a number of engineering contracts on a consultancy basis in South America.

Equipment Knowledge

Chemical Reactors, Heat Exchangers, Reactor Dehumidification, piping, HALS High Active Liquid Waste facilities, Hydrogen, Natural Gas and Air Compressors, Cooling Towers, Chilled Water plants, HPHW, High Pressure Hot Water, Valves, Condensers, Hydrogen Reformers, Centrifuges, Scroll Decanters, Boilers, Pressure Systems.