

Keith Rankin
IEng MCIBSE MIET



Summary of Qualifications

- ONC – Mechanical Engineering
- C&G Level 3 in Engineering Maintenance
- C&G Level 2 in Engineering Maintenance

Work Experience

PPL Engineering Services Ltd – AE Designate Mechanical Systems

2023 to present

Authorising Engineer designate for Mechanical disciplines. Developing site and system specific Safe Systems of Work to comply with current legislation and procedures.

Government Facilities Services Ltd – Regional Engineering Manager

Aug 2022 to
Jan 2023

Regional engineering manager looking after 13 prisons in central London. Managing SSoW for HV/LV and mechanical systems

Westminster City Council (WCC) – Operations Manager

2020 to 2022

Worked closely with the main FM providers and consultants for various projects within WCC buildings including mortuary, care home and special needs care centers. Reviewed statutory documentation to ensure compliance and undertook asset management audits to ensure all assets captured on the CAFAM system. Provided advice and guidance on M&E issues for safe contract delivery

BAE Systems – Engineering Manager Infrastructure South

2016 to 2020

I worked closely with client, consultants, contractors and Project Managers for the procurement of Projects across 23 UK based sites in the south of England. I worked on Strategic Definition, project preparation and project brief reviewing project concept design development and its technical parameters as well as supporting the project construction phase, project handover and close out reviewing both lessons

learned and good working practices. I carried out inspection of the M&E installation ensuring Health & Safety and CDM regulations are adhered to by undertaking the checking and auditing of the project. Oversaw the maintenance of HV switchgear as part of a COMAH agreement.

Interserve Defence – Authorised Person

2006 to 2016

Authorised Persons duties issuing safe systems of work documentation for Mechanical, high temperature hot water systems up to 150 C, Dental Air and Vacuum Systems, Electrical Systems 11KV, 415V and 240V systems with two or more sources of supply and Confined Spaces as well as Class 2 bulk fuel installation and hazardous areas.

Amey Quinetiq – Authorised Person

1997 to 2006

Authorised Person duties for HV up to and including 33 KV and mechanical systems, confined spaces and petroleum. Managed directly employed labour force consisting electricians, plumber-fitters and general builders. Ensured that all works, both routine planned maintenance and response, were completed in accordance with contract requirements. I was placed on secondment to TAG Aviation Farnborough to manage the migration of the airfield from military specification to civilian specification with regards to airfield lighting. This involved commissioning of the new control tower, managing the team, the replacement of airfield lighting and control systems, and the relocation of the aircraft touchdown point on the runway

DERA – Rationalisation Support Manager

1995 to 1997

As M&E lead to the Project Manager on the building of the new energy centre and oversaw the installation, commissioning and testing of three Ygnis MTHW boilers (120Deg C) rated at 4000kw each with full modulating burners, three York water cooled chillers rated at 2000kw each with BAC evaporative condensers, and the installation of 12 number 11kv high voltage substations with Merlin Gerin SF6 switch gear. Refurbishment of two 33kv to 11kv forced cooled 90mva oil filled transformers including the automatic tap changers.

DOE/PSA - Shift Control Engineer Whitehall

1992 to 1995

AP for the operation and maintenance of a 9Mw standby power station and associated HV and LV switchgear in all government buildings in Whitehall as well as the operation and maintenance of both Rotary and Static UPS systems. I was AP for the Whitehall HTHW district heating system. I was the lead engineer working with the consultants in the planning of the refurbishment of MOD main building. This work included looking at both the heating and electrical load within the building to enable correct sizing of gas turbines and waste heat and secondary boilers for the proposed combined heat and power plant to be installed.

DOE/PSA – Technical Officer (M&E)

1985 to 1992

Technical officer for various sites in the South of England. AP duties electrical, HV ring renewal at an RAF Station, AP mechanical for the replacement of boilers, AP electrical for airfield lighting.

DOE/PSA – Mechanical Fitter

1984 TO 1985

Carried out maintenance and overhauls to diesel generating plant and water pumping stations in various camps in the Falkland Islands

DOE/PSA Apprentice Mechanical Fitter

1975 to 1984

Aldershot Military Power Station carrying out maintenance on large marine diesel generating plant and associated waste heat boilers, steam boilers and pumps, and maintenance of oil filled HV switchgear.

Professional Skills & Experience

- Authorised Person – Electrical including airfield lighting, Mechanical Systems, Petroleum class 2 and class 3 fuels, Confined Spaces, Dental Air Vacuum Systems and HAZ areas.