

SUMMARY

Job title E & I and HVAC Supervisor, most senior titles achieved Major Projects Engineering Manager, Principle Research Engineer.

Professional site based construction engineer, conscientious proactive and results driven with a highly hands on approach, good communicator team builder and team member, enthusiastic and good at motivating others, excellent problem solving abilities.

40 years of construction experience both in the UK and overseas in process, utilities, pharmaceutical, nuclear, chemical, and building services. Exemplary HSE record spanning entire career to date.

Proven track record of multi tasking in multiple engineering disciplines, areas of strength proficiency and success include controls, SCADA and DCS, electrical power, MCC's and switchgear, piped and ducted services, pressurised gas and liquid systems, water treatment, and rotating equipment.

Highly computer literate with good organisational and management skills. Adept at identifying problems in advance of their occurrence and implementing effective measures to circumvent them.

EXPERIENCE

2011 **E&I and HVAC Supervisor, WorleyParsons, Saudi Arabia**

Project – Raz Az Zawr Phosphate Process Plant

Attending and participating in progress, technical, and coordination meetings, to ensure achieving construction schedules.

Coordinating construction activities, ascertaining that equipment and materials fully comply with specifications and codes.

Monitor on site construction quality, checking construction drawings, validating on site compliance and ensuring that deviations are red lined.

Trouble shooting of systems that are operational and implementing remedial measures to achieve correct operation.

Writing technical reports.

Validating static, dynamic, and functional performance tests, signing off completed systems.

2008 - 2009 **Utilities District Cooling Design & Project Manager, Hisham Abdulrahman Jaffer, Bahrain**

Project – Diyar Al Muharraq Development & Reef Towers Seef Island.

Mixed use developments including utilities and infrastructure, commercial, industrial, residential and recreational,

Developing concept and master plans, compiling requests for environmental impact assessments, compiling request for schematic and tender designs. Reviewing all design stages and specifications.

Liaising with government departments to obtain planning consent.

Compiling requests for tender documentation and reviewing returned bids.

Researching technical and financial aspects of proposed development plans and liaising with the client.

2005 - 2008

Major Projects Engineering Manager, Drake & Scull, UAE

Project – Dubai Festival City District Cooling Plant.

Site based responsible for the complete design of a 176 MW district cooling plant and reticulation network distributing 4,500 l/s of chilled water to 25 energy transfer stations.

Overseeing site construction, commissioning, system operation, and training the clients staff to operate the plant.

This was a very successful project and the supervisory control and data acquisition system (SCADA) that I designed and wrote the control philosophy for performed faultlessly.

The fibreoptically linked SCADA controlled all of the district cooling plant equipment and switchgear, as well as the 25 energy transfer stations some of which were 5 kilometres from the main plant.

Project – Jumeirah Beach Residence District Cooling Plant

As above with exception that the plant capacity is 264 MW and the secondary chilled water flowrate is 5,400 l/s. This project had 65 energy transfer stations.

2004 - 2005

Construction Manager, Atomic Weapons Establishment, Aldermaston UK

Project – Classified Information.

Managing and coordinating site based process construction contractors, ensuring programme, HSE, cost control, and quality standards are fully complied with.

Commissioning and operating functional systems also came under my control.

Compiling risk assessments and issuing work permits, monitoring and managing site based construction.

Vetting new contractors and manufacturers for technical, quality, reliability, and HSE compliance.

The majority of my work involved motor control centres, switchgear, instrumentation, and distributed control systems.

EDUCATION

T102 Technology Open University UK 1995

City & Guilds Computer Aided Drafting & Design Barnsley College of Technology

REGISTRATIONS/AFFILIATIONS

Associate member ASHRAE

PUBLICATIONS/PRESENTATIONS

Paper presented to CIBSE & ASHRAE at South Bank University London UK
"HVAC Product Testing"

Paper and Workshop presented at the Institute for International Research Dubai
1998 "District Cooling Plant Design Concepts"

BS EN Standard 1397 "Heat exchanger and fan coil unit test procedures" was
written around the test procedures and test laboratory that I designed and
constructed whilst I was Principle Research Engineer at BSRIA UK

SPECIFIC TECHNICAL EXPERTISE/SPECIALIST COURSES

Atomic weapons Establishment Accredited Risk Assessor

Trend BMS Control System Engineering Course

Managing Health & Safety in Construction (CDM)

Competent Persons Electrical

Contact & Other Details

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Other Organisations Worked For

Jacobs Engineering Design & Commissioning Validation Consultant, Wimpey
Construction Senior Building Services Manager, EMCOR Project Manager,
Building Services Research & Information Association Principle Research
Engineer, Crown House Engineering Project Manager, Lorne Stewart Senior
Project Engineer, Scott Brownrigg & Turner MEP & Refrigeration Consultant, J & P
Paraskevadies Senior Design & Construction Engineer

Hobbies Scuba diving, sailing, trekking & mountain walking, international
travel

Altruism Blood donor

Discipline	Design	Construction	Commissioning	Planning	Project Management	Validation	Operation & Maintenance	Hazop Analysis	QA QC
District Cooling & Heating	◆	◆	◆	◆	◆	◆	◆		◆
HVAC Systems	◆	◆	◆	◆	◆		◆		◆
Low & Medium Temp Hot Water Sys	◆	◆	◆	◆	◆	◆	◆		◆
Steam Systems to 64 Bar		◆	◆	◆	◆	◆	◆		◆
Building Services	◆	◆	◆	◆	◆	◆	◆		◆
Heat Pumps and Energy Recovery	◆	◆	◆	◆	◆	◆	◆		◆
Industrial Refrigeration Systems	◆	◆	◆	◆	◆	◆	◆		◆
Nuclear Power Station Cooling Systems	◆	◆	◆	◆		◆			
Corrosive Fluid Cooling And Handling	◆	◆	◆	◆	◆	◆	◆	◆	◆
Explosion Proof Systems	◆	◆	◆	◆			◆	◆	
Clean Rooms	◆	◆	◆	◆	◆	◆	◆	◆	◆
Package AC Plant	◆	◆	◆	◆	◆	◆	◆		◆
Package Chillers	◆	◆	◆	◆	◆	◆	◆		◆
Packaged Heat Pumps	◆	◆	◆	◆	◆	◆	◆		◆
Sewage Treatment Plant		◆	◆	◆	◆				
Pumping Stations	◆	◆	◆	◆	◆	◆	◆		◆
Demin Water Systems	◆	◆	◆	◆	◆	◆	◆	◆	◆
Demin Water Cooling	◆	◆	◆	◆	◆	◆	◆		◆
High Medium & Low Voltage Switchgear		◆	◆	◆	◆	◆	◆		◆
Medical Gases		◆	◆	◆	◆	◆	◆	◆	◆
Gas Recovery	◆	◆	◆	◆	◆	◆	◆		◆
Gas Cooling	◆	◆	◆	◆	◆	◆	◆		◆
Dehumidification	◆	◆	◆	◆	◆	◆	◆		◆
Mechanical Drying	◆	◆	◆	◆	◆	◆	◆		◆
Autoclaves			◆	◆	◆	◆	◆	◆	◆
Water Treatment	◆	◆	◆	◆	◆	◆	◆	◆	◆
Pneumatic Controls		◆	◆	◆	◆	◆	◆	◆	◆
Motor Control Centres	◆	◆	◆	◆	◆	◆	◆	◆	◆
Motor Starting Systems	◆	◆	◆	◆	◆	◆	◆	◆	◆
System Controls	◆	◆	◆	◆	◆	◆	◆		◆
SCADA & BMS Control Systems	◆	◆	◆	◆	◆	◆	◆		◆
Controls And Instrumentation	◆	◆	◆	◆	◆	◆	◆		◆
Civil Construction works including, Offices, Utility Plants, Port ship loading, and sub soil		◆		◆	◆				◆
Generators		◆	◆	◆	◆	◆	◆		◆
UPS		◆	◆	◆	◆	◆	◆		◆