

Engineering - Project Management - Systems Integration - Commissioning Airports - Maritime - Radio Communications - Navigational Aids - Radar Systems

Education, Professional and Post Graduate Qualifications

- Chartered Engineer (CEng)
- Bachelor of Science Degree with Honours (B.Sc.(Hons))
- Engineering Management & Systems Technology Higher National Diploma (HND)
- Member of the Royal Aeronautical Society (MRAeS)
- Member of the Institution of Engineering & Technology (MIET)
- Member of the Society of Systems Engineers (MINCOSE)
- Postgraduate PRINCE2 Practitioner

Key Knowledge Areas

- Management (Engineering, Project and Programmes, FIDIC)
- Airport and ATC Radio Communications, Radar and Navigational Aids
- Maritime Engineering, Radar, Communications & Navigational Systems
- Client requirements capture and documentation
- Systems design, documentation, engineering and integration
- Contractor supervision, management and review in design & build domains
- Emergency power generation
- Control systems
- Networking technologies
- PRINCE2, SCRUM, Agile Project Management methodologies

Experience

Principal Consultant (ATC Systems)

Cyrus Ltd, Thirsk, UK. August 2017 - Date

- Ownership, design accountability for ATC, Comms & Nav aids aspects of new airport construction.
- Project manage new primary radar development for windfarm mitigation programme.
- Oversee supplier design development, implementation, control meetings with contractors or clients, manage testing, commissioning and flight checks to enable integration of the new systems.
- Manage radar data integration programme.
- Project manage multiple ATC-related contracts for different Clients.
- Provide SME on industry standard radar quality assessment & analysis tools.
- Integration design of an ICAO Level 2 A-SMGCS, to assist ATCOs with airfield movement control.
- Survey and planning documentation design, distribution and analysis of resulting returns.
- Design tender documentation, review submissions and produce evaluations.

Commissioning Manager (Airports)

Jacobs International, Abu Dhabi International Airport, UAE Sept 2015 - Oct 2016

- Ownership and accountability for contractor's design of replacement AGL system works.
- Planning of a fully integrated A-SMGCS ICAO Level 4 system, incorporating control of CAT 3 AGL for airfield movements to reduce the Air Traffic Controller burden.
- Overseeing design development and its implementation, assessing contractor performance, meetings with both contractors and clients.
- Testing, commissioning and providing cohesive input to operations to enable integration of new systems into a fully operational ATC at a dual runway international airport.

Resident Engineer & Interface Manager

Hill International, Omani International Airports
Development Programme, Muscat, Oman.
Dec 2012 - Sept 2015

- Senior management and supervision of the in-house team.
- Coordination and supervision of external contractors across a 6-airport development programme.
- Overseeing design development and implementation, assessing performance and running meetings with the contractors and client.
- Interfacing daily with multiple other disciplines within the construction work environment.
- Part of the Operational Readiness Committee.

Senior Lead - Systems Integration Engineering

Exelis Defence Ltd (formerly ITT Ltd), Basingstoke,
UK Oct 2007 - Nov 2012

- Providing HF and NVIS (Near Vertical Incidence Skywave) communications expertise.
- Platform-wide systems Integration of HF, VHF and UHF radio products into a secure communications network within a Military Architecture.
- Integrating new secure radio systems into company portfolio.
- SME on EU EMC Directive for CE marking for new company products, & technical file author.

Systems Design Authority

SELEX S.I., Portsmouth, UK
Mar 2007 - Aug 2007

- Seamless transition of RAF St. Mawgan Aerodrome to Newquay International Airport with minimal retained risk to the company.
- Capturing customer requirements and producing relevant documentation.
- Approving the Civil Airport Design and Systems Procurement.

Senior HF Systems Engineer - Rockwell Collins (UK) Ltd - Dec 2003 – Mar 2007

Senior Specialist Consultant Engineer - WS Atkins (Consultants) Ltd - Apr 2000 – Dec 2003

Radio Communications Projects Engineer - Traffic Control Systems Unit (TCSU) - Aug 1999 – Apr 2000

Airport Systems Specialist - EUROCONTROL, Brussels -1996 – 1998

Airport Systems Specialist - Speedwing Airports - 1996

Airport Systems Engineer - Zuhair Fayed & Associates - 1991 – 1996

Senior Supervising Construction Engineer – SABCO (Bechtel) Corp. - 1989 – 1990

Full-time HND study 1987 – 1989

Field Engineer - Plessey Installation & Commissioning Group - 1982 – 1986

Field Engineer - Bendix Field Engineering - 1981 – 1982

Senior Workshop Test Engineer - Marconi Instruments - 1980 – 1981

Royal Air Force - 1969 – 1980

Interests

- Amateur Radio (Portable, NVIS, HF, SSB, CW, PSK Data, RAYNET, Teaching);
- Scuba Diving (Advanced PADI Open Water with SSI EAN40 Nitrox certification);
- Underwater Videography;
- Archery;
- Cycling;
- Athletics;
- Sailing.