

## MIKE WHITTINGHAM

ASSOCIATE



### Expertise

**Mike** is known as passionate and skilled in the development of people and processes to improve overall company performance.

He has specific skills in:

- Life Cycle Management (LCM)
- Systems Engineering Processes
- Systems Engineering Tools
- Planning Systems Engineering activities
- Requirements Engineering
  - Gathering Requirements
  - Analysing Requirements
  - Specifying Requirements
- System Verification
- System Harmonisation and Integration
- System Support
- Systems Safety And Environmental Management

Initially, his personal systems engineering skills were employed in leading teams in research and development to support the development and entry into service of complex weapon electronic systems for the UK Ministry of Defence, mostly for the Naval Sector. This expertise was then used in project and programme management roles at all stages of the project lifecycle, culminating in the management of all aspects of engineering integration activity in the Naval Sector on major programmes for export customers at the Prime Contractor level.

Mike also employed the systems thinking approach to the successful implementation of Product Safety and Environmental Management Systems and the generation of equipment, weapons and platform safety cases. He is also recognised for his experience as a Design Review Assessor and Chair across a number of major projects, most notably in an export environment.

### Clients

**Mike** is currently working with BAE SYSTEMS as a Naval Subject Matter Expert and developing courseware, delivering lifecycle management, requirements management and product safety management courses and qualifying design review assessors and chairs. He has just completed a programme developing Saudi Arabian engineers as part of the BAE SYSTEMS Saudi Arabia Graduate Development programme, introducing engineering lifecycle management, systems engineering concepts and requirements management and tools.

### History

**Mike** commenced his scientific and engineering career with the UK Ministry of Defence in 1973 at one of the major government research establishments and gained an honours degree in Applied Physics from Salford University in 1980 under UKMOD sponsorship. After several years employing systems engineering in various leadership roles he was appointed as the Head of Systems Assessment which included participation in joint US/UK technical exchange programmes. In 1994 he became a Member of the IEE and a Chartered Engineer. His passion for developing young engineers commenced at this time through mentoring and coaching UKMOD-sponsored undergraduates and graduate engineers.

Moving into project management in 1996, he joined EASAMS, the systems engineering and prime contracting business unit within GEC Marconi Radar and Defence Systems in an executive role as Deputy Prime Contract Project Manager on a contract to manage operations on one of the first Government Owned Contractor Operated (GOCO) UKMOD facilities. He was responsible, as Technical Authority, for all technical and engineering activity and output; he was instrumental in implementing an holistic systems approach to engineering management and project control and in obtaining an independent ISO9001 accreditation for the facility.

The merger of GEC Marconi Defence with British Aerospace in 1999 to form BAE SYSTEMS opened career opportunities in the wider organisation. In 2000, Mike was successful in securing a role on promotion as Chief Engineer Naval Systems with the International Programmes business unit, with responsibility for delivering minehunter ships, base facilities, magnetic and acoustic ranges, training and a full support service to the Kingdom of Saudi Arabia (KSA) as part of a UK/KSA government to government contract.

Following successful completion of the delivery and acceptance phase of the contract, Mike was offered a role on promotion as Head of Engineering Function. Resident in KSA from 2007, Mike successfully transitioned the Engineering Developing You (EDY) framework and training assets to KSA to develop Saudi National engineers. Mike retired from BAE SYSTEMS in 2014.

