

## ANDREW SMITH

### ASSOCIATE TUTOR



#### Expertise

**Andy** is known in a range of industries as passionate and skilled in the development of people to improve overall company performance.

Andy has specific skills in:

- Life Cycle Management
- Systems Engineering Processes
- Systems Engineering Tools
- Planning Systems Engineering activities
- Requirements Engineering
  - Gathering Requirements
  - Analysing Requirements
  - Specifying Requirements
- System Verification
- System Support

Initially his personal systems engineering skills were employed in leading teams to maintain the availability of complex electronic systems for the Royal Navy. This expertise was then used in project and programme management roles at all stages of the project lifecycle culminating in the development of the requirement for the future aircraft carrier.

Andy then employed the systems thinking approach to the successful achievement of a licence for the UK Sector Skills Council for Social Care and Child Development . This involved negotiation with the representatives of devolved governments as well as direct project management to very tight timescales.

#### Clients

**Andy** has worked with and continues to work with a large number of world-class companies that include; BAE SYSTEMS, GE Aviation, Rolls-Royce, Bunzl UK & Ireland, and Halma plc.

He is currently working with BAE SYSTEMS delivering lifecycle management courses and qualifying design review assessors.

He has just completed a 1 year programme with Halma plc developing engineers from across the group including UK, US, China and the Netherlands using systems engineering concepts and tools.

#### History

Andy gained a degree in Electrical Engineering from the Royal Naval Engineering College (RNEC) in 1972. After several years employing systems engineering in various leadership roles he was appointed as the Head of Weapon Engineering at RNEC which included being on the academic board of the Weapon Engineering MSc. He was responsible for the development of the postgraduate programmes and personally gained accreditation for RN engineering development with the IEEE.

Moving into project management in 1995, he worked with Racal and DRA to develop new electronic warfare systems. He was also responsible for the support of a range of EW systems already in service.

He was the Technical Manager for HMS OCEAN during the validation phase of the project and developed the first RN Whole Ship Safety Case for the vessel. He was actively involved in resolving all issues during the transfer of the project to the RN.

Selected as part of the senior management team of the MoD Integrated Project team for the Future Aircraft Carrier in 1999, he was in charge of the development of the user and system requirements for all aspects of the combat and survival systems during competition between BAE SYSTEMS and Thales. He gained two industry awards for innovation.

He became a member of the Association of Project Management and a PRINCE 2 Practitioner in 2003.

After leaving the RN at the end of a successful career, he worked with the Open University to develop and deliver lifecycle management courses to BAE SYSTEMS from 2004.

He also works with i2i Development Solutions to deliver accredited leadership and management programmes for Bunzl plc. He has delivered similar programmes and project management training to oil companies in Libya. With i2i, he is developing self-directed teams for GE Aviation.