

Biography: **Andy Evans**

Education: MSc Manufacturing, Management & Technology, Open University 2000-2003.
 Modules: Integrated Safety, Health & Environmental Management, International Operations Management, Forensic Engineering & Software Engineering.
 One year research project on 'Organisational Factors Affecting Helicopter Vibration Health Monitoring'
BEng(Hons) Aeronautical Engineering, Hatfield Polytechnic 1986-1990

Membership: Member of the Royal Aeronautical Society (MRAeS) – since 1998
Chartered Engineer (CEng) - since 1998

Honours: IMechE Astridge Award for Aerospace Safety in May 2003.

Career History

AviateQ International (Burnham, Buckinghamshire, UK) **Sept 08 – date**
Senior Aviation Advisor

- Engaged in managing a range of safety management system and safety culture advisory projects.
- Lead auditor, auditing in UK, Norway, Switzerland, Netherlands, Malta, Algeria, UAE, Canada, US, Trinidad & Peru.
- IBAC accredited IS-BAO auditor.
- Investigated incidents and assisted in a post accident return to service.
- Member of the Oil & Gas Producers Aviation Sub-Committee & Chair of OGP ASC's Night Ops Working Group.
- Industry Co-Chair of the European Helicopter Safety Analysis Team, member of European Helicopter Safety Implementation Team and its SMS & Operations Specialist Team and member of the RAeS Human Factors Group.

Bristow Group (Houston, Texas, US) **Jan 07 – Aug 08**
Global Quality & Safety Standards Manager

Bristow operates 400 helicopters in 22 countries, primarily for the oil & gas industry, and was undergoing major growth & organisational change. Reported to the Senior VP Safety, Training & Standards. Responsible for SMS development & standardisation across 3 divisions, developing Q&S professionals & safety culture development.

- Assessed Business Units globally making recommendations for safety improvements.
- Launched & project managed the 'Target Zero' cultural change project including award winning campaign material
- Organised & delivered leadership workshops for 550 people on 5 continents.
- Managed two global safety surveys in three languages.
- Developed & implemented global standard Q&S processes (including introducing new software tools).
- Designed & implemented a new behaviour based safety scheme (including training 100 trainers).
- Lead the team investigating a fatal air accident in Nigeria and reviewed US accident investigations.
- Lead due diligence audits on two potential acquisitions.
- Organised the first Bristow Q&S Professional Development Seminar.
- SMS & safety leadership papers published by *Aero Safety World*, *Defence Aviation Safety Centre Journal* & *Focus* (UK Flight Safety Committee Magazine).
- Member of EASA Rotorcraft Vibration Health Monitoring Working Group and Sentinel Steering Group.
- Elected Industry Co-Chair of the European Helicopter Safety Analysis Team.
- Member of the UK Flight Safety Committee & RAeS Human Factors Group.

Bristow Group (Aberdeen, Scotland, UK) **Mar 04 – Dec 06**
Quality & Safety Manager (Bristow - Eastern Hemisphere) and Q&S Manager Turkmenistan Helicopters Ltd

EH consists of 2800 staff & 140 aircraft at 30 bases, plus a Part 21 aviation design & production business. Ran a team covering all quality, flight safety, HSE, HUMS & flight data monitoring issues.

- Restructured Eastern Hemisphere Q&S to create an independent, integrated Q&S team.
- Revised the EH SMS & dramatically improved Risk Management, Audit & Safety Reporting / Investigation.
- Recruited, trained & mentored 8 new Q&S staff.
- Gave improved insight into Q&S performance & successfully promoted continuous improvement.
- Achieved transition to new European Aviation Safety Agency regulations & gained AS9100 certification.
- Introduced behavioural based safety & safety surveys, halving the ground accident rate.
- Developed & delivered a new 2 day vibration health monitoring course for Helicopter Association International.
- Developed & delivered Advanced Auditor Training and a new Supervisor's Development course for Bristow.
- Active member of the UK Flight Safety Committee, RAeS Human Factors Group, UK Airline Emergency Planning Group, CAA Helicopter Health Monitoring Advisory Group & CAA SMS Working Group.

Surveyor

- Successfully lead external audits & managed the approval of a diverse group of 30 organisations in UK, US, Singapore & Australia including operators & design, production & maintenance organisations. These included: EasyJet, BMI, Ansett, Bristow, CHC, British International, Titan Airways, GE, Pratt & Whitney, Pechiney, RMI Titanium, Singapore Technologies, H+S, Vintech, Nordam, Meggitt, Smiths, Dowty & Westland.
- Conducted certifications & continued airworthiness of various aircraft, aero engines & systems.
- A European Joint Aviation Authorities (JAA) Engine Project Certification Manager.
- JAA Helicopter Rotors & Transmission Specialist.
- CAA Health & Usage Monitoring System Specialist.
- Secretary of CAA Helicopter Health Monitoring Advisory Group.
- Actively participated with the Air Accidents Investigation Branch in 6 air accident investigations.
- Managed research into mechanical failures, health monitoring & helicopter design.
- Wrote CAP721 on Large Flocking Birds and the measures necessary to control the risk to aviation.
- Developed & conducted training for CAA, JAA, industry & Cranfield University.
- Chaired the European/US JAA/FAA FADEC Limit Override Technical Working Group.

British Aerospace plc (Warton, Lancs, UK & Filton, Bristol, UK)**Nov 97 – Apr 99****Senior Propulsion Systems Engineer**

Responsible for the performance & aerodynamic aspects of propulsion system integration & qualification (from Preliminary to Critical Design Reviews) plus flight test planning & instrumentation design for a new military aircraft. The work involved managing numerous multi-disciplinary, multi-organisation teams & managing contractual relationships with both the customer & suppliers. Successfully managed the rapid design & procurement of fan flutter test hardware & subsequent testing (£1.2mn budget) to tight deadlines.

Rolls-Royce plc (Filton, Bristol, UK)**Sept 90 - Nov 97****Senior Technology Engineer - New Projects Engineering**

Gas turbine engine design & aircraft performance analysis on a wide range of future projects. Closely involved in business development, technology acquisition and EJ200 Project Management. Active member of the team that introduced a new preliminary design process. Lectured on the University of Bristol MSc propulsion module.

AP Precision Hydraulics Ltd (Liverpool, UK) - Undergraduate Training**1987-1990 (part)**

Varied placements at this aviation supplier: Workshop training & development (3 months - 1987), marketing, contracts & product support (3 months - 1988), design & production engineering (8 months - 1989).

Selection of Relevant Training

- 2009:** IS-BAO Auditor Course
- 2008:** IOSH Integrated Management Systems, Performance Management, HUET/EBS
- 2007:** Behavioural Safety, Bombardier Safety Stand-down (Wichita)
- 2006:** Roffey Park Interpersonal Relationships in Organisations, Accident Investigation, Error Investigation / Interviewing
- 2005:** IOD Finance for Non-Financial Directors, Shell SMS, Business Compliance, Shell/BP Safety Leadership, LMQ CRM Facilitators Course, TSI Accident Forensics, Communication Skills, Change Management
- 2004:** Bristow Maintenance Resource Management, Audit Skills
- 2003:** JAR-OPS, Risk Assessment, Smiths Vibration Monitoring
- 2002:** NDT Management Course, Westland Vibration Monitoring, CAA Human Factors
- 2001:** University of York System Safety Assessment, RR Critical Lifting Methodologies, Influencing & Team Skills, CAA Human Centred Design
- 2000:** CAA Human Factors & Maintenance Error Management, RR Reliability Assessment, Software Qualification, Defensive Driving
- 1999:** CAA Airworthiness Course, Audit Techniques, Maintenance Programme Development, JAA 145/21
- 1998:** Cranfield University Propulsion System Integration, BAe Airworthiness, BAe/Rolls-Royce Managing Supply Chain Relationships
- 1997:** Rolls-Royce Training Techniques
- 1993:** Cranfield University Gas Turbines
- 1992:** Rolls-Royce Engine Performance Course