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Security Clearance: SC Cleared / DV Willing

Executive Profile

Senior engineering, assurance, quality and programme delivery leader with 25+ years of experience across aerospace, defence, nuclear security and advanced manufacturing. Chartered Quality Professional with an MSc in Engineering Management, combining technical credibility, regulated-product assurance and senior programme governance to turn complex delivery environments into controlled, evidence-led systems of work.

Brings a clear “claim, evidence and outcome” approach: making requirements visible, strengthening governance, improving supplier and manufacturing capability, reducing risk, and giving leaders stronger evidence for delivery decisions. Current remit includes quality, assurance, delivery and risk governance across a £105m nuclear-security portfolio spanning Hinkley Point C and Sizewell C, supported by earlier BAE Systems Air experience across airworthiness, advanced manufacturing, global quality strategy and product release.

The Assurance Case leadership proposition	Selected evidence of impact
• Programme assurance and delivery: requirements, risk, governance and evidence brought together for controlled decisions. • Manufacturing and supplier capability: supplier competence, product conformity, welding assurance and repeatable shop-floor controls. • Quality transformation and management systems: practical systems, digital workflows, audit trails and accountable action management. • Strategy and operational improvement: capability, technology, performance and investment priorities converted into structured roadmaps.	• £105m nuclear-security portfolio across Hinkley Point C (£45m) and Sizewell C (£60m). • 20% reduction in ageing assurance actions and 25% reduction in overdue QEHS actions. • Two manufacturing suppliers developed for nuclear delivery; 10 welders qualified or verified. • 800+ nuclear electrical cabinets taken into full-production assurance with UKCA, FAVE and LTQR evidence. • Five-year Global Air Sector Quality Strategy across 25,000-30,000 people with 12 strategic priorities. • Delegated Category C airworthiness release authority and £80m first-of-type stealth UAV certification.

Key Skills & Regulatory Capabilities

- Programme Assurance & Delivery: requirements visibility, risk escalation, governance cadence, acceptance evidence, client confidence and delivery decision support.
- Manufacturing, Supplier & Product Quality: supplier development, nuclear manufacturing assurance, fabrication controls, welding procedure specifications, welder-qualification evidence, inspection discipline and right-first-time delivery.
- Quality Systems & Compliance: ISO 9001, AS9100, ISO 14001, ISO 45001, EASA/MAA Part 21 and Part 145, nuclear licence-condition environments, ALARP, Intelligent Customer expectations and product compliance evidence.
- Product Conformity & Certification: UKCA/CE evidence, IP/IK protection, electrical safety, EMC, seismic and environmental qualification, First Article Verification, Lifetime Quality Records and release-to-service evidence.

- Quality Transformation & Digital QEHS: digital management systems, EHS Insight, workflow design, forms, dashboards, action management, audit trails, management review and performance transparency.
- Operational Improvement & Problem Solving: NCR, CAPA, root cause, 8D, Ishikawa, 5 Whys, repeat-issue reduction, lessons learned, process rationalisation and standard work.
- Senior Stakeholder Leadership: director-level briefings, customer-facing assurance narratives, supplier leadership, cross-functional influence and decision support across matrix organisations.

Experience

Project Quality Manager, Acting Senior Project Manager, Chubb Systems **08/2022 – Present**

- Lead quality, assurance, delivery and risk governance across a £105m nuclear-security portfolio covering Hinkley Point C (£45m) and Sizewell C (£60m), connecting requirements, technical evidence, client confidence and delivery risk into a controlled governance framework.
- Selected to act as Senior Project Manager and deputise for the Project Director, providing senior project-leadership cover across client interface, commercial milestones, delivery decisions, assurance status and risk escalation.
- Led multidisciplinary delivery and assurance activity across a growing 20+ person team, aligning engineering, project controls, supply chain, installation, quality and customer requirements.
- Reduced ageing assurance actions by 20% by strengthening visibility of ownership, escalation, closure evidence, meeting cadence and management review across the portfolio.
- Led the digital QEHS management-system implementation for Hinkley Point C, moving fragmented records into one governed platform; onboarded 35 users, digitised 18 forms/workflows and reduced overdue actions by 25%.
- Developed two manufacturing suppliers to meet nuclear manufacturing and assurance expectations, working directly with leadership, quality, engineering and production teams to improve process control, competence, documentation and delivery discipline.
- Uplifted fabrication and welding-quality controls by supporting WPS qualification and approval, verifying welder qualifications/competence, strengthening material and process traceability, improving inspection evidence and tightening NCR/CAPA discipline.
- Directed right-first-time assurance for safety-critical Nuclear Island electrical cabinetry, coordinating UKCA, IP/IK, electrical-safety, HVAC failure, EMC, seismic, FAVe, LTQR and certified build-documentation evidence for an 800+ cabinet production run.
- Translated Nuclear Site Licence expectations, ALARP principles and Intelligent Customer requirements into practical supplier, manufacturing, inspection and handover controls supporting compliant delivery and commissioning readiness.

Air Quality Control Manager, BAE Systems **07/2021 – 08/2022**

- Led a 10-person Quality Engineering function providing operational quality governance across more than 100 production and inspection personnel in a complex aerospace and defence manufacturing environment.
- Represented the Head of Quality on programme quality matters, acting as the senior focal point for quality decisions, issue escalation, customer evidence, delivery risks and acceptance status.
- Aligned manufacturing, engineering, supply chain, programme and customer evidence through Typhoon delivery milestones, strengthening decision clarity and confidence during complex acceptance phases.
- Managed senior-facing aircraft acceptance activity with international government and military stakeholders, including Saudi Air Force leadership, applying cultural awareness, diplomacy and technical credibility to support sign-off.
- Improved leadership visibility of risk, control effectiveness and customer issues through stronger quality reporting, corrective-action governance and non-conformance management across delivery streams.
- Coached and directed the quality team through operational priorities, customer complaints and problem-solving activity, reinforcing accountability, consistency and decision pace.

Quality Strategist Lead, BAE Systems**03/2021 – 07/2021**

- Designed and deployed the five-year Global Air Sector Quality Strategy, creating a structured roadmap for quality performance, organisational resilience and investment decisions across a 25,000-30,000-person sector.
- Defined 12 strategic priorities by linking programme demand, capability, technology, funding, governance and operational improvement into one coherent quality transformation direction.
- Integrated Quality, Engineering, Finance, Logistics and HR input to create a cross-functional view of capability gaps, workforce needs, future technologies and ways of working.
- Benchmarked current-state quality performance through independent review, providing robust evidence to support Integrated Business Planning and future investment choices.
- Advanced digital-thread thinking and director-level communication, improving executive visibility of strategic risk, control effectiveness, data confidence and implementation priorities.

Senior Quality Controller (Cat C), BAE Systems**11/2013 – 03/2021**

- Held delegated Category C authority from the MAA Form 4 holder to issue Certificates of Aircraft Release, making evidence-led, safety-critical release decisions in accordance with approved procedures and airworthiness requirements.
- Personally authorised release certification for an £80m first-of-type stealth UAV, confirming flight readiness, product conformity, configuration evidence and absence of known non-compliances endangering air safety.
- Applied engineering assurance across the full Systems Engineering V-Model on Mantis, Taranis and PHASA-35, covering requirements, design assurance, build, integration, verification, validation, flight readiness and release.
- Led investigations and corrective actions arising from internal/external audits and non-conformance reports, reducing recurrence risk and strengthening audit resilience on critical releases.
- Developed quality documentation, metrics, process maps, operating standards and release-to-service controls across receipt inspection, manufacture, technical checks and certification evidence.
- Applied ISO 9001, AS9100, EASA/MAA Part 21 and Part 145 knowledge to support continuing compliance, customer satisfaction and safe aircraft delivery.

Early Career Summary, BAE Systems**08/1997 – 11/2013**

- **Quality Controller (2008 - 2013):** progressed from engineering and inspection into regulated product assurance, working across product conformity, internal audits, MAA Part 145 / AS9100 environments, non-conformance, corrective action and controlled quality records.
- **Nimrod Flight Line Inspector (2006 - 2008):** supported independent inspection, aircraft readiness, dispatch and release support during Nimrod MRA4 flight-test activity, including UK and overseas trials.
- **Aircraft Electrical Engineer / Apprentice (1997 - 2006):** built hands-on engineering competence through a four-year BAE Systems craft apprenticeship and aircraft electrical roles spanning installation, loom manufacture, systems integration, maintenance, recovery and prototype flying-clearance support on platforms including Jaguar, Tornado, Hawk, Typhoon and Nimrod.

Education, Professional Standing & Development

University of Hull**2024 - 2026**

MSc Engineering Management

Chubb Fire and Security Ltd & BMS**2023 - 2024**

IfATE Level 3 Leadership and Management Apprenticeship

EMTA Awards Limited**2011**

NVQ Level 3 Diploma in Business Improvement Techniques

EMTA Awards Limited**2011**

NVQ Level 2 Business Improvement Techniques - process improvement

BAE Systems	1997-2001
Time served as an aerospace apprentice (Electrical/Electronics)	
Edexcel (BTEC)	2001
First Year HNC (Electrical/Electronics)	
Edexcel (BTEC)	2001
ONC engineering (Electrical/Electronics)	
EMTA Awards Limited	2001
NVQ Level 3 Engineering installation and commissioning	
Edexcel Foundation (BTEC)	1998
First Certificate in Engineering	
EMTA Awards Limited	1998
NVQ Level 2 Engineering Foundation	

Accomplishments and Courses

CITB	2024
5-day course, "Site Management Safety Training Scheme" for the construction and civil engineering industries	
CITB	2024
HS&E Test for Managers and Professionals	
ISOQAR	2023
ISO 9001:2015, ISO 14001: 2015, ISO 45001: 2018 Internal Auditor	
ISOQAR	2023
Integrated Management System Foundation Course	
Driver and Vehicle Standards Agency (DVSA)	2021
Category C (Class 2) HGV license	
Baines Simmons Limited	2015
Human factors & Error management	
Messam Rider	2015
Leading Safely	
EASA – European Aviation Safety Agency Certification Authority	2010
Part 21: Subpart G Production organisation approval	
Chartered Quality Institute (CQI)	2010
CAPA (Corrective and Preventive Action) Systems	