

EUR ING Andrew Knott

MBA (Leeds - Distinction) | Dipl Eng | BSc (Hons) | CEng | FIET | FinstMC | CMgr | FCMI | FAPM | PMP®

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Professional Summary

PRINCIPAL CONSULTANT | PROGRAMME DIRECTOR | INDUSTRY 4.0 EXPERT - *Automation Strategy / Manufacturing Execution Systems (MES) / Computerised Systems Validation (CSV)*

Bridging the gap between Engineering (OT) and Board-Level Strategy. I am an award-winning Principal Consultant with 30 years of deep technical expertise in Industry 4.0 automation, bolstered by a recent MBA (Distinction, 2025). Through **Knott Automation Projects**, I provide hands-on leadership for complex capital programmes, helping Tier-1 Life Science manufacturers de-risk investments and ensure GAMP 5 compliance.

- **The Authority to Deliver:** A Fellow of the IET, CMI, and APM, offering a rare blend of engineering rigour and commercial acumen.
- **Proven Track Record:** Successfully delivered multi-million-pound engagements for global leaders including **Novo Nordisk, GE Healthcare, and Takeda**.
- **Core Offering:** Available for high-impact mandates to lead Digital Transformation initiatives, rescue distressed projects, and define robust automation strategies.

Core Consultancy Services

- **Automation Programme Management:** End-to-end delivery of PLC, SCADA, and DCS projects (Siemens, Rockwell, DeltaV).
- **Manufacturing IT Strategy:** Design and deployment of MES (Werum PAS-X), Historian (OSIsoft PI), and ERP integration.
- **Compliance & Governance:** GAMP 5 CSV leadership, Data Integrity audits, and 21 CFR Part 11 remediation.
- **Capital Project Assurance:** Acting as "Owner's Engineer" to manage system integrators and protect client interests.

Professional Experience

KNOTT AUTOMATION PROJECTS | Global Principal Consultant & Programme Director

Jan 2012-present

- **GE Healthcare (2024) – Programme Director (MES/eBR):** Led the Basic Design phase for a global MES (Werum PAS-X) and Historian (AVEVA PI) deployment. Aligned technical architecture with business requirements to ensure a scalable digital foundation.
- **SolutionsPT (2023) – Product Validation SME:** Advised on the validation of "Octoplant" software, ensuring robust configuration management and compliance for critical OT infrastructure.
- **Novo Nordisk (Jacobs) (2022) – CSV Strategy Lead:** Defined the Global CSV Strategy for new-build capital projects. Standardised validation approaches to accelerate time-to-market for critical assets.
- **Cognizant (2021) – Associate Director (MES):** Managed delivery timelines and stakeholder expectations for high-profile Life Sciences MES projects.
- **Takeda, Germany (2020) – Programme Rescue & Delivery:** Parachuted in to manage a complex Level 2/3 Automation Upgrade (150 systems). Restructured the 5-workstream programme and delivered it from Concept to Execution using Siemens S7-1500 and Virtualised Architectures.
- **Janssen (J&J), Belgium (2016–2019) – Automation & CSV Lead:** Served as Client Representative for a multi-purpose API facility (DeltaV 11,000 IO). Built and supervised the engineering team from Basic Design through to Handover, integrating site-wide virtualisation with Level 3 systems.
- **Dr. Reddy's (2015–16) - Principal SME:** Led gap analysis and remediation planning for a Siemens PCS 7 batch control system at a Bulk API facility.
- **Bio Products Laboratory (2015) - Site Automation SME:** Directed validation for aseptic filling lines, washers, and fractionation control system upgrades.
- **Dynavax (Rhein Biotech), Germany (2014–15) - Interim Automation Manager:** Developed site strategy, managed system inventory, and led automation CAPA remediation.
- **Schneider Electric (Eurotherm) (2014) - Senior Project Manager:** for nuclear and chemical projects involving Wonderware systems.
- **Fluor Ltd (2013–14) Project Manager (E, I & A):** Directed conception to handover for High Voltage (11kV) and Rockwell automation systems for a Carbon Fibre manufacturer (Hexcel).
- **MSD (Animal Health) (2013) - Principal Consultant:** Developed site automation strategy, risk analysis, and inventory for 150 systems across three sites.
- **NNE / UCB, Switzerland (2012–13) - Senior Specialist & Project Manager:** Led the implementation of DeltaV and Syncade MES for a new biotech plant.

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- **Gedeon Richter, Hungary (2012): Automation Project Manager:** Led ABB 800xA DCS implementation for a Biosimilar facility.

Previous Career History

PM GROUP | Business Unit Director (AIS) & Principal Automation Consultant - Global

2008 – 2012

- * Business Leadership: Established and led the Automation & Information Systems (AIS) business unit, recruiting a core team of 10 engineers.
- * Vendor Partnerships: Attained Solution Partner certification with Siemens Automation and ABB Automation.
- * Client Status: Approved preferred supplier to GSK, Sanofi, and Weyerhaeuser.
- * Strategic Standards: Developed global automation standards (ISA-95 Levels 1-3) to drive consistency across international capital projects.
- * Quality Systems: Developed ISO 9001/TickIT Quality Management System and gained certification within 5 months.

FLUOR | Business Unit Director - UK & Europe

1999 – 2008

- * Team Growth: Formed and grew the Process Automation Group (PAG) to 25 engineers, achieving ISO 9001/TickIT certification within 5 months.
- * Vendor Ecosystem: Secured Solution Partner certification with Siemens Automation, Rockwell Automation, Wonderware, and ABB Automation.
- * Client Status: Established the unit as an approved preferred supplier to GSK, Sanofi, Wyeth, and Novo Nordisk.
- * Project Director (GSK): Led the Biopharma Process Development Control & SCADA project at Stevenage & Beckenham.
- Automation Manager (Novo Nordisk): Managed the automation team for an Insulin Bulk Plant in Denmark ABB SattLine.

KVAERBER JOHN BROWN | Senior Engineer | Principal Engineer | Technical Consultant -Portsmouth

1992 –

1998

Member of Systems Control Group Management Team. Responsible for management of all system integration projects.
Lead Engineer for major assets at GlaxoWellcome (Biology Pilot Plant, Stevenage) and Zeneca (Quorn II, Billingham)

SIEMENS | Apprentice Technician to Technical Project Manager | Siemens UK & Germany

1978 – 1991

*Progressed from Technician Apprentice to Technical Project Manager. Sponsored through university and promoted annually.

Education

Master of Business Administration (MBA) – Distinction | University of Leeds (2025)

*Award: Dean's Prize for Top Student (Best Overall Performance in Cohort > 75%).

*Live Challenges (Capstone): Achieved Top Cohort Mark (85% Distinction).

*New ESG Product Innovation: Developed strategic framework for sustainable product lifecycle.

*Consultancy Project: Go-to-Market Strategy for In-house Software Products (Digital Publishing).

* Key Modules: Strategic HRM (86%), Global Marketing (88%), Accounting & Finance (84%), Leading in Practice (78%).

Executive Education (MBA Modules) | Warwick Business School (2024)

* Distinctions in Operations Management (72%), Strategic Advantage (72%) and Digital Transformation (71%).

Artificial Intelligence – Professional Certificate | University of Oxford (Saïd Business School) (2021)

* Achieved 82% Grade. Focus on AI implementation in business contexts.

Dipl Eng (Process Automation) – Engineers Degree – 5 Year Programme | University of Salford (1993)

BSc (Hons) Electronic & Electrical Engineering (1st Class) | University of Salford (1986)

Professional Qualifications

European Engineer (EUR ING) & Chartered Engineer (CEng)

Fellow, Institution of Engineering & Technology (IET)

Fellow, Institute of Measurement & Control (FInstMC)

Chartered Manager (CMgr)

Fellow, Chartered Management Institute (FCMI)

Fellow, Association for Project Management (FAPM)

PMP® (Project Management Professional) & PMI-ACP® (Agile Certified Practitioner)

Volunteering

Mentor & Assessor: Active volunteer for the IET and CMI, mentoring engineers and managers toward Chartered Engineer (CEng) and serving as an assessor for the Chartered Manager (CMgr) award.