

# EUR ING Andrew Knott

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

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## Professional Summary

### Programme Director | Head of Digital Transformation & Industry/Pharma 4.0

An award-winning Senior Leader combining 30 years of deep technical expertise in Industry 4.0 automation (OT) with recent high-level business strategy qualifications (MBA with Distinction, 2025). A Fellow of the IET, CMI, and APM, offering a rare blend of engineering authority and commercial acumen. Proven track record of delivering multi-million-pound capital projects for global life science leaders (Novo Nordisk, GE Healthcare, Takeda).

Uniquely qualified to bridge the gap between technical engineering teams and board-level strategic objectives. Expert in leading Digital Transformation initiatives—from GAMP 5 compliance to MES implementation, seeking a permanent leadership role to drive operational excellence and sustainable digital growth.

## Core Competencies

Strategic Leadership: Digital Transformation, Smart Factory Strategy, Stakeholder Management, Budget Oversight.

\* Technical Governance: GAMP 5, CSV & Data Integrity, Quality Management Systems (QMS), 21 CFR Part 11.

\* Automation & IT: MES (Werum PAS-X), DCS (DeltaV, Siemens PCS7), Industrial AI, Cyber Security (ISA/IEC 62443).

\* Project Controls: PMP® Certified, Agile/Scrum, Vendor Management, Risk Mitigation.

## Professional Experience

### Project/Programme Director & Strategic Consultant | Knott Advisory / Automation Projects | Global

Jan 2012-present

*Operated as lead consultant delivering high-value engagements for Tier-1 Pharma clients. Now seeking to transfer this expertise into a permanent corporate leadership role.*

Directing large-scale automation, MES, and digital compliance programmes. Responsible for strategy definition, budget oversight, and the technical leadership of cross-functional teams across the UK and Europe.

Commercial Leadership: Successfully secured Approved Supplier Status with Johnson & Johnson (Janssen), Takeda, and PALL Life Sciences, validating high standards of corporate governance and technical delivery

### Recent Major Projects/Programmes (2016 – Present)

- **GE Healthcare (2024) - Programme Director:** Led the Basic Design phase for a major MES/eBR (PAS-X) and Historian (AVEVA PI) deployment, aligning technical architecture with global business requirements.
- **SolutionsPT (2023) - SME:** -- Product Validation and Octoplant deployment, ensuring robust configuration management across critical OT infrastructure.
- **Novo Nordisk (Jacobs) (2022) - CSV Project Manager:** - Defined the Global CSV Strategy for new-build capital projects, standardising validation approaches to reduce time-to-market for critical assets.
- **Cognizant (2021) - Associate Director:** - for Life Sciences MES projects, managing delivery timelines and stakeholder expectations at an executive level.
- **Takeda, Germany (2020) - Programme Manager:** -- Managed a complex Level 2/3 Automation Upgrade (150 systems) across 5 workstreams. Delivered the project from Concept to Execution, utilising Siemens S7-1500 and Virtualised Architectures.
- **Janssen (JnJ), Belgium (2016 – 2019) - Project Lead:** - Automation & CSV workstream for a multi-purpose API facility (DeltaV 11,000 IO). Built and supervised the engineering team from Basic Design through to Handover. Integrated site-wide virtualised architecture with Level 3 systems (OSisoft PI / Werum PAS-X).
- **Interim Project Leadership Roles (2012 – 2016)**
- **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.

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

## Previous Career History

### Principal Automation Consultant | PM Group | 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, Wonderware 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.

### Business Unit Director (Process Automation) | Fluor Ltd | 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 Partnerships: Attained 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.

### Senior Engineer / Principal Engineer/ Technical Consultant | John Brown Engineers& Constructors | Portsmouth 1992 – 1998

- \* Management of all Systems Control Groups System Integration Projects
- \* Lead Engineer for GlaxoWellcome (Biology Plant) Stevenage and Zeneca (Quorn II), Billingham, UK

### 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).

\*ESG New 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%), 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 (FIET)

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, InstMC and CMI, mentoring engineers towards Chartered Engineer (CEng) and serving as an assessor for the Chartered Manager (CMgr) award.