

# Tom d'Arcy

## Operations Leader

📞 (+44) 7988118326 | ✉️ thomasdarcy@outlook.com | 🌐 LinkedIn | 🇬🇧 UK & EU national

### Profile

A results-driven operations leader with 10 years of experience shaping the future of manufacturing in high-tech environments. Proven ability to merge hands-on production leadership with strategic transformation, delivering complex projects and building high-performing teams. Deep expertise in lean manufacturing, AI-driven digital manufacturing, and advanced production technologies (3D printing, robotics) to solve critical challenges and ensure on-time delivery.

### Experience

<b>Founder</b>	FactoryPulse Digital Ltd	01/2025 - Present
<ul style="list-style-type: none"><li>Conceptualised and launched an <b>AI-first digital manufacturing</b> venture to empower SME manufacturers with accessible, next-generation operational tools.</li><li>Engineered a proprietary <b>Manufacturing Execution System (MES)</b> from the ground up, focusing on high usability and configurability for discrete manufacturing environments.</li><li>Developed an integrated suite of operational tools (Skills Management, Problem Solving, Visual Management) powered by a contextual AI Agent.</li></ul>		
<b>Consultant</b>	Boston Consulting Group	09/2024 - 03/2025
<ul style="list-style-type: none"><li>Led a <b>Lean production system rollout</b> in a QC lab for a major sterile pharmaceutical manufacturer, delivering a <b>10% reduction in lead time</b> by implementing digital tools and lean methodologies (Standard Work, TPM).</li><li>Drove a raw material cost-optimisation project for a key pharma client, identifying significant savings opportunities during a critical biologic tech transfer to a contract manufacturing organisation (CMO).</li></ul>		
<b>Senior Manager - Industry 4.0</b>	Edwards Vacuum	04/2023 - 07/2024
<ul style="list-style-type: none"><li>Directed Industry 4.0 transformation across <b>14 facilities in 12 countries</b>, leading a global team of Software Developers, Data Analysts, and Manufacturing Engineers.</li><li>Executed multiple <b>&gt;£1M CapEx projects</b>, successfully deploying advanced manufacturing technology, including a fully remote MES pilot in Taiwan.</li><li><b>Streamlined the business units digital toolkit by over 90%</b>, consolidating dozens of applications into a maintainable, configurable suite on MS Azure.</li><li><b>Launched a dedicated innovation facility</b> to develop and scale 3D printing, cobot, and AI-based manufacturing solutions for the global factory network.</li></ul>		
<b>Innovation &amp; DemoWorks Lead</b>	Rolls-Royce	01/2020 - 10/2022

- Led **24/7 factory operations with full operational accountability**, leading a team of **~50 engineers, technicians, and shift managers**.
- Directed the assembly of the world's largest jet engine, meeting critical board-level milestones and CEO commitments.
- Led the **digital transformation across 6 factories**, deploying an MES solution in 4 UK and German facilities to replace legacy paper-based systems.
- Developed and **ran an innovation cell that developed and deployed novel manufacturing technology** including 3D printing, automated visual inspection, metrology, and automation technologies.

#### **Production Lead ~ Rolls-Royce ~ 05/2019 - 03/2020**

- **Managed a team of 20**, overseeing complex project logistics and a warehouse with an annual logistics spend exceeding **£2M**.
- Accountable for daily team performance across safety, quality, cost, and delivery while managing key 3PL partner relationships.
- **Responsible for HSE** for warehouse in a highly challenging operational context managing significant risks including Asbestos and Complex Lifts

#### **Ops Leadership Apprenticeship ~ Rolls-Royce ~ 09/2014 - 05/2019**

- 4.5 year program consisting of placements across manufacturing functions to develop breadth of knowledge in manufacturing and build leadership skills

## **Education**

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**University of Warwick**

2015-2019

MSc Engineering Business Management

## **Awards and Honors**

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<b>Manufacturer Top 100</b> , Awarded place in UK Manufacturer Top 100 individuals	2021
<b>Young Manufacturer of the year</b> , Won UK Young Manufacturer of the Year	2017
<b>Target Jobs Apprentice of the year</b> , runner up for apprentice of the year award	2018





## **Skills**

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**Certifications:** IOSH Managing Safely, Agile Project Management, Le Wagon Full Stack Web Development

**Methodologies:** Lean, Six Sigma, 8d problem solving, Agile Software Development, Change Management, MCRL (Manufacturing Capability Readiness Levels)

**Systems:** PLM (Siemens, AutoDesk), MES (Siemens, PTC, AutoDesk), ERP (SAP), Azure, MS PowerPlatform

**Programming Languages:**  Ruby-on-Rails,  Javascript,  React,  SQL