

ROY LEWIS (CENG, MSC, MIMECHE)

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PROFESSIONAL PROFILE

A dedicated leader, scheduler and operations consultant with comprehensive expertise in P6 Primavera scheduling for large scale chemical sites, particularly within Exxon Mobil. Possessing advanced theoretical knowledge in six sigma Lean engineering practices (SSGB), PRINCE2, and project management methodologies. Adept at team collaboration and leadership, with a track record of delivering significant improvements in efficiency, safety, and performance reliability.

RELEVANT WORK EXPERIENCE

Bilfinger – Maintenance Engineer:

- Lead and developed a team of seven Planners across maintenance and projects work at ExxonMobil in Fawley Southampton. Drove them to continuously hit their KPIs, and reviewed commercial aspects of work orders.
- Created and maintained project schedules:
 - I input data such as task duration and resource allocation into Primavera P6 software, I ran all the good to go review meetings making sure all stakeholders are aligned with tasks & commercial information.
- Worked in conjunction with the ExxonMobil.
 - I worked closely with the project manager, providing updates and creating data for reporting. I was also responsible for identifying performance trends as I saw the schedule change in real time.
- Managed complex schedules:
 - For large scale engineering projects such as the Fawley refinery Resid TAR, I was responsible for creating and managing the complex schedules.
- Utilized a Work Breakdown Structure (WBS):
 - I planned the schedule following the Critical Path Method (CPM) by utilizing a WBS and aligning activities to finish the project on time and within budget.
- KPI's through the use of digital scoreboards:
 - I created a KPI structure to measure the planning department output, so we could easily quantify our performance to the client (ExxonMobil)
- Conducted maintenance department consultancy for INEOS and Exxon Mobil plants, I developed operational and digital software improvement plans, and gained a Bilfinger Maintenance Analysis (BMA) qualification, along with securing new contracts for Bilfinger.

- Used Microsoft project to manage on site improvement projects and delivered weekly reports to all stakeholders to track the projects.
- By utilizing Primavera, I streamlined operational processes at ExxonMobil, leading to a 15% increase in efficiency through the automation of recurring plant maintenance processes.
- **Strategic Presentations and Implementation:**
 - Presented comprehensive findings to site executives, addressing KPIs and communication models.
 - Successfully implemented recommended changes, ensuring sustained positive impacts on safety, reliability, and efficiency.

Honeywell - Senior Manufacturing Engineer:

- Maintained over 300 automation machines producing 2000 electronic gas sensors. Used Microsoft Project to organise and efficiently run planned maintenance to minimise impact on production.
- Applied Six Sigma analysis and ran projects, resulting in a 30% reduction in unplanned downtime due to equipment failures.

CAREER SUMMARY

Scheduler – Bilfinger	2021- Present
Snr Manufacturing Engineer - Honeywell	2018- 2021
Assembly Manufacturing Engineer – GE Aviation	2016- 2018

EDUCATION

2020: CENG. Chartership - Institute of Mechanical Engineers (IMechE)

Recognised by the industry in 2020, I achieved chartered status. This status signifies adherence to high standards of practice, ethics, and continuous professional development. I have also mentored new engineers to gain Chartership.

2016: MSc. In Engineering Management (Distinction) - the University of the West of England

Key Modules: Advanced Manufacturing, Project Management, Vibration Dynamics, Planning & Methods for Change, Technical Business Operations, Research Investigation, Lean Engineering & Decision Support Tools for Continuous Improvement, Leading Change, Simulation

2015: BEng. Mechanical Engineering (2:1) - the University of the West of England

Key Modules: Operations Quality & Management, Dynamics & Control, Stress Analysis, Engineering Design, Mechanical & Motorsport Application, Alternative Energy, Materials & Manufacturing Processes, Energy & Thermodynamics, Composite Engineering, Electrical Interface, Dynamics, Engineering Mathematics

2011: BSc. (Hons) in Engineering Foundation - The University of the West of England

2010: Design Course - Magic Touch UK

2009: A Levels in Communication Studies, Business Studies and Product Design - Barton Peveril College

Software Packages: Microsoft Packages, Power Bi, Primavera P6, SAP, CATIA, Inventor, SolidWorks, Forms 2 Mobile, Microsoft Project, Python (Intermediate)