STAVROULA PYRGELAKOU

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A dedicated and results-driven Quality Assurance Engineer with a proven track record in leading CAPA projects, conducting audits, and fostering a culture of continuous improvement. Armed with a 6 Sigma Black Belt certification, adept at applying robust problem-solving methodologies. Currently seeking a new challenge that will not only allow me to make a significant impact but also provide opportunities for further growth and skill enhancement.

SKILLS/ CORE STRENGTHS

- Continuous improvement (CI) mindset demonstrated though audits, corrective action (CAPA) projects and by treating issues as opportunities for improvement.
- Excellent analytical skills and proficient in use of quality tools including 8D, DMAIC, 6sigma, RCA, Ishikawa, 5Why.
- Team-oriented professional with expertise in coaching colleagues on quality concepts and tools.

WORK EXPERIENCE

December 2020- Present| QA & NPI engineer, Power Photonic, Dalgety Bay, UK

Responsible for the implementation and continuous improvement of the quality management system and quality tools. Responsible for the ongoing ISO9001 certification.

Main responsibilities:

- Develop, implement and manage quality procedures including CAPA (8D), change management, customer complaint handling, non- conforming output control, First Article Inspection (FAI) and internal audits.
- Chair frequent review meetings to ensure timely closure of internal audits and corrective actions and report to the management team through a monthly quality scorecard.
- Lead and support root cause analysis activities using recognized problem-solving techniques, including 6 Sigma, 8D, Lean, and QC tools.
- Oversee the new supplier qualification process and define qualification plans.
- Monitor supplier performance through defined metrics and initiate SCARs when performance trends downwards.
- Qualify new manufacturing processes and product using core quality tools such as APQP, FMEA, MSA, and SPC.
- Review customer Quality Assurance requirements during bid and contract reviews.
- Perform, review, and approve First Article Inspection reports.
- Drive compliance to international standards and business processes.
- Develop annual internal audit schedules and support customer and third-party audits.

August 2018- November 2020| NPI development engineer, Power Photonic, Dalgety bay, UK

Main responsibilities:

- Managed over 10 NPI projects, resulting in a substantial 15% average improvement in production yield and a £200k reduction in manufacturing costs across all projects. This collective effort significantly enhanced overall product efficiency and cost-effectiveness for the company.
- Managed rig validation for new equipment release in production.

June 2016- July 2018|Product manufacturing leader, Edinburgh Instruments, Livingston, UK

Responsible for the FS5 Compact Fluorescence Spectrometer production line, representing 50% of the company's shipments where I increased output by 30% and productivity by >50%.

Main Responsibilities:

- Manage team to efficiently meet company's sales and quality targets by developing and implementing meticulous processes and procedures to ensure full traceability and to maintain and monitor target productivity levels.
- Established monthly meetings with development team in order to implement improvements to reduce cost and increase efficiency and product quality.
- Worked exclusively with external suppliers in improving quality of core FS5 assemblies.
- In charge of testing prototype mechanical assemblies, software/ firmware upgrades before they are introduced to production.
- Initiated meetings across different departments of the company including the CEO, CFO, production and purchasing managers to review and improve ERP software to reduce shortages and waiting time in production.

December 2015- May 2016| Production engineer, Edinburgh Instruments, Livingston, UK

Main responsibilities:

- Alignment and validation of a range of fluorescence spectrometers (FS5, FLS980, Lifespec II).

QUALIFICATIONS

2023 (ongoing)| Lean Six Sigma black belt, Pyzdek Institute

2022| Certified Quality Improvement Associate (CQIA), ASQ certification

2022| Lean specialized credential, ASQ certification

2022| Six sigma yellow belt, TPC certification

2020| ISO9001:2015 internal auditor, SQMC certification

2020| PRINCE2 practitioner, AXELOS certification

2017| Emerging leaders and managers training program, The leadership factory

2012-2013| MSc in Photonics and Optoelectronic devices, Universities of St Andrews and Herriot Watt, UK

2006-2012| Ptychio (Bachelor with Honors) in Physics, University of Crete, Greece
Dissertation: The influence of laser-generated surfactant-free nanoparticles on fibroblast cells viability.