



HWM Global

Innovations that keep
critical resources flowing.

Job Description

Job Title: Production Engineer

Reports to: Production Engineering Manager

Date Prepared: 20 July 24

Company Information:

At HWM we design and manufacture monitoring and telemetry equipment for water, wastewater and gas networks, together with telemetry AMR and facilities optimisation products.

Our primary focus for over 30 years has been monitoring the clean water distribution system, however in the last few years we have expanded into new sectors which include gas, water and electricity meter consumption, gas network monitoring and sewer monitoring. Our solutions have had a significant impact in helping our customers save time, effort, natural resources, energy, carbon, and cost.

HWM-Water Ltd is a Private Limited Company and wholly owned subsidiary of Halma Plc, a UK based business listed on the London Stock Exchange and a constituent of the FTSE 100 Index.

Each of the 50+ international companies owned by Halma is dedicated to the development, manufacture and marketing of products that are used to protect lives, or improve the quality of life, for individuals and businesses worldwide.

Main Purpose of Job:

We are seeking a qualified Production Engineer with an enthusiastic and determined approach who will bring further energy to our drive towards excellence. The successful candidate will work within the Production Engineering team, providing support to the production processes, equipment, product manufacture/test Work Instructions and New Product Introduction (NPI).

The products being manufactured are primarily dataloggers, which are used in the water network to monitor parameters such as water pressure and flow rate transmitting this data back to a central server.

We are looking for a candidate with an enthusiastic and determined approach who will bring further energy to our drive towards excellence.

Main Tasks:

Health & Safety

- NPI, new equipment, equipment maintenance, fixtures and tools and process documentation (Work Instructions).

Process

- Cell design, lean, shop-floor layout, process flow ergonomics, fixture design and development using CAD and 3D printing.

Process Documentation

- Work and Test Instructions, Process Flow Charts, Visual Management, Product Manuals, and preparation of Capital Equipment Applications (CEA's).
- Create and maintain comprehensive documentation for work instructions, including technical specifications, user manuals.

Timing

- Analyse and measure existing systems and processes, conduct pace studies and timing activities, develop accurate standard times for all existing products and new products in the NPI process. Develop TACT/Kanban to balance production processes.

Continuous Improvement:

- Stay informed about advancements in manufacturing technologies: Lean Manufacturing.
- Identify opportunities for continuous improvement in the production environment to enhance manufacturing processes.
- Continuous improvement, ideas/implementation, training teams/assisting with Kaizen, conduct GEMBA walks, manage project outcomes to meet agreed targets and dates.

Systems:

- Development and support, Route Cards, Labels, Product serial numbers.

Quality :

- Response to Quality Alerts, process yield issues, data collection and problem resolution, equipment maintenance and OEE.
- Implement operating procedures to ensure the quality of the product and manufacturing performance are met.

Visual Management:

- 6S, Gemba boards, waste walks, assist with load planning.

DFM :

- Participation in design/development meetings to gain visibility and press DFM principles.

Collaboration with Manufacturing Teams:

- Work closely with manufacturing engineers, operations, and other stakeholders to fulfil the production engineering needs and requirements.
- Collaborate on the implementation of engineering solutions that address specific manufacturing challenges.
- Work effectively in the Production Engineering team and with other disciplines and participate in all facets of New Product Introduction (NPI).

- To report periodically at design review and Program Meetings on development progress.
-

Integration with Manufacturing Systems:

- Integrate engineering solutions with existing manufacturing systems and equipment.
- Ensure seamless communication and information exchange between different components of the manufacturing environment.

Person Specification:

- The candidate will have at least 3 years' experience working as a Production Engineer in a similar environment. We will be looking for the candidate to demonstrate their recent successes and their capacity to generate ideas for change.
- Will have the ability to communicate with the wider manufacturing group daily.
- An independent thinker, taking concepts and offering and developing solutions. This is an hands-on role.
- Strong leadership presence and the ability to influence and inspire others.
- Resilience and the ability to handle pressure and challenging situations.
- Proactive and forward-thinking mindset with a focus on anticipating and mitigating potential risks.
- Strong attention to detail and a commitment to delivering high-quality work.
- Strong problem-solving and decision-making skills.
- Adaptability and openness to change.
- Excellent organisational and time management skill

Qualifications/Training:

- Ideally the candidate will have an engineering degree or equivalent.
- Experience in Manufacturing processes engineering.
- Strong problem-solving and analytical skills,
- Experienced in Lean manufacturing techniques.
- Excellent communication and collaboration abilities.
- Knowledge of manufacturing processes and systems.
- Ability to work independently and as part of a cross-functional team.

The above is not an exhaustive list of duties and you will be expected to perform different tasks as necessitated by your changing role within the Company and its overall business objectives.