



# HWM Global

Innovations that keep  
critical resources flowing.

Job Description

**Job Title:** Design Assurance Lead Engineer

**Reports to:** Design Assurance Manager

**Location:** Cwmbran office / Hybrid

### **Company Information:**

Halma Water Management (HWM) is a group of successful water conservation companies who have joined forces under a single sales, design and distribution network to manufacture and supply flow measurement, data logging, and leak detection solutions for the water industry. Our extensive experience and unrivalled innovation has made us a world leading team with an international reputation for technology, quality and service. Together, we provide an unparalleled range of products and services for the water industry. We are proud to be part of Halma, a major worldwide technology group making safety products and products that improve quality of life. As an integral part of the Halma Group plc, Halma Water Management has the strength and credibility of a FTSE 100 plc Company with the financial resources to match. Halma has been trading for over a century and has a level of corporate pride second to none. Their customers range from small enterprises through to some of the largest companies in the world, and they export products globally, currently to over 50 countries.

**Our Engineering / R&D function:**

We have over 30 people in our Engineering / R&D team based primarily out of our headquarters in Cwmbran. Our engineering functions span hardware, software, Cloud/IT, digital, new product development and product assurance focussing on ensuring that all our products achieve the highest standards of quality, longevity and compliance to the latest technical and environmental standards that the market demands.

**The Role:**

As a Design Assurance Lead Engineer in the HWM Global Engineering function, you will be confirming that new and existing products are suitable for the market place and leading the team.

The Design Assurance Lead Engineer will also support with technical investigations and incorporating latest learning into new testing techniques including automation to ensure that HWM products are continuously improving.

Among the activities to be expected in this role, but not limited to, are:

- To perform product functionality, performance and reliability testing as instructed by the Design Assurance Manager and/or senior members of the Engineering team.
- To support new product development activities by preparing and/or procuring prototype sample products under the direction of senior team members.
- Investigation and resolution of product technical issues, whether found in the field or by production or service functions.
- Development of bespoke test equipment and software under the direction of the Design Assurance Manager.
- To support testing of products by external standards bodies, including preparation of test samples and dealing with any issues that arise as a result of this testing.
- To support application field trials and issue resolution, both domestic and overseas. In order to perform this role, occasional UK/international travel may be required.
- To lead the Design Assurance team and organise the day to day activities to achieve the goals of the team.
- To perform general administration of the Design Assurance team including goal setting and performance evaluation of the team members.

**The Candidate:**

- Responsible attitude, professional approach to work.
- Communicate appropriately with a range of audiences including peers, senior colleagues, and specialists.
- Excellent time management and organisational skills
- Strong verbal and written communication skills with the ability to liaise with a variety of stakeholders
- Problem solving skills
- Attention to detail
- Competent skills in electronics and embedded software
- Ability to work in a team and individually
- Organisational skills with the capability of working towards tight deadlines
- A passion for technology
- Work to a high level of accuracy

**Experience / Skills Required**

- University degree in Electronic Engineering, Computer Science or equivalent (STEM)
- Experience or knowledge of electronics systems
- Experience or knowledge of embedded software (e.g. C/C++/C#/Python)

- Excellent communication and written skills
- Willingness to work in a team-oriented, dynamic working environment
- MS Windows, MS Office Word, PowerPoint, Excel, Outlook
- Fluency in English

**Experience / Skills Desired**

- Experience as the leader in a small team
- Industry experience in an electronic product design or testing environment
- Jira (or similar)
- Master's degree will be considered a plus
- Knowledge of embedded design (hardware and firmware), battery operated applications, ATEX, GSM technology.
- Familiarity with regulatory compliance standards