

Test Development Software Engineer

About Us

HWM is a leading manufacturer of utility monitoring solutions developed to save customers water, energy, time and money. Our services include the design and manufacture of telemetry equipment, along with installation and data delivery expertise. We have over 30 years' experience delivering services to the water, wastewater and gas sectors.

Job Purpose

We are seeking a qualified Test Development Software Engineer with an enthusiastic and determined approach who will bring further energy to our drive towards excellence.

The successful candidate will work within a team of 2 Production Engineers a Process Controller and Test Development Engineer and will develop test strategy and software for functional, telemetry and PCBA test programs to support existing and new product developments. The capability to write and understand test software is the major element of this role as the programs will be used to functionally test electronic products

Key Requirement and Responsibilities

- Design, development, build and commissioning of custom functional test equipment and programs and the maintenance of bespoke PC-based applications for new products. Typically, the development language will be in C# or C++ using the MS-Visual Studio platform
- An understanding of Delphi programming language and conversion to C#
- Knowledge of electronic hardware and of serial communication protocol
- To produce customised system test and diagnostic software for use in instrument manufacture
- To work effectively in your team and with other disciplines and participate in all facets of New Product Introduction (NPI)
- To report periodically on status at design review and Program Meetings on development progress, detailing clearly any actual or prospective variances to target completion dates or performance
- To maintain and update test software in Production and Service, if necessary being available outside normal working hours to keep production flowing

- To produce prototype software for feasibility evaluation
- To keep pace with emerging and evolving technological, software and applications methodologies
- To assist with the production of relevant manuals and test procedures for all products
- To ensure a high level of security and confidentiality particularly regarding new product developments and ideas
- Provide software solutions which automate test processes to reduce the need for manual intervention and so improve quality
- To carry out such duties as may be needed during the role
- This is an office-based role working within the existing Production and Service facilities

The above list of responsibilities is not exhaustive, and you may be required to undertake other responsibilities and training as requested by your line manager, appropriate to your role.

Key Skills

- Educated to degree level in a relevant discipline
- Minimum of 3 years' experience as a Test Development Engineer in a similar environment
- We are looking for the candidate to demonstrate their recent successes and their capacity to generate ideas for change
- Ability to work under pressure
- Ability to communicate effectively with the wider manufacturing group and suppliers
- Independent thinker, with the ability to take a concept and offer/develop solutions

How to Apply

To apply for this vacancy please send an up to CV, along with a covering letter to hr@hwm-water.com.