
SHM JOB DESCRIPTION

Job Title: Electronic Engineering Manager

Responsible to: Engineering Managers

Location: Winchester

Salary: £30-£45k

Background: SHM is an energy management and power monitoring company that employs 7 FTE staff. The Engineering Management of the company is covered by two fully qualified engineers. One is predominantly a software engineer and the other hardware focused. Other technical staff are a full time technical installation manager, and the Northern Area Manager based in Liverpool who is both a graduate engineer and electrician.

SHM provides solutions using a wide range of products and systems – for more information see the website at www.shmmetering.co.uk. SHM is a technical solutions company and our staff pride themselves on being able to assimilate and apply any technology in our field. Our appeal and our strength is our diversity.

Job Purpose: To carry out SHM’s hardware engineering activity. To work closely with SHM Software Engineering Manager and with SHM Installation Manager to engineer products and systems which deliver complete metering and monitoring solutions to our clients.

Task Table

No	Importance 1-10	Task
1	10	Installation and support of metering systems <ol style="list-style-type: none">Discussing requirements with customer on phone or in personPreparing quotations, including site surveysAssembly of equipment for customerSite installationOn-going supportSystem specification and designMaintenance and operation of SHM systems and other software systemsInstallation and configuration of site based softwareSet up operation training and advice on partner companies’ cloud based software

2	10	Remote Meter Reading <ul style="list-style-type: none"> j. Specify and install (protocols include Ethernet, Modbus, M-bus and GSM / GPRS) k. Specification, investigation and role-out of radio based metering systems l. Support specification and configuration of many different types of remote reading systems m. Maintain and develop software systems for remote reading, tenant billing and energy management n. On-going support of all SHM and partner systems
3	10	Assist in management of the operation of the electronic applications laboratory, SHM's engineering parts tools and instruments.
4	10	Develop conversancy and apply all manufacturers' specialist meter software setup, programming and configuration tools.
5	10	Maintain records of all SHM installed systems, and assist in servicing of systems
6		Assist in the technical sales process, interfacing directly with customers when appropriate.
7	10	Write site, system, product, software and training manuals across the full range of SHM's own and sourced products services and software.
8	9	Research, select, test and develop the best products and product portfolio for SHM's operations.
9	8	Assist with hardware development, product and PCB design.
10	8	Maintain control and records of configuration of shipped meters devices and equipment.
11	8	Contribute through technical and commercial initiative to the development and growth of SHM's full range of products systems and services.
12	7	Attend site, install systems, troubleshoot and correct site problems.
13	5	Software development and maintenance, including Tridium Niagara Framework, SHM XLeMs Energy Monitoring Software, SHM's http://online.shmcomms.co.uk Service, Stark Software, E-sight software, C3 Resources Software, and other hardware based and mixed monitoring and billing systems.
14	5	Support, maintain and update the www.shmmetering.co.uk website.
15	5	Manage site installed projects
16	4	Assist in software development, by writing appropriate code for modification and development of SHM's own software systems and tools.