

JOB PROFILE – GRADUATE ELECTRICAL/AUTOMATION ENGINEER

PERSON SPECIFICATION

Knowledge/Experience

- Electrical engineering background.
- A knowledge of PLC's, HMI's and SCADA systems found within an industrial environment.
- Experience using AutoCAD would be advantageous.
- Power transmission and low voltage distribution systems knowledge.
- A full driving license.

EDUCATION/QUALIFICATIONS

- Electrical Engineering degree or equivalent a pre-requisite.

DISPOSITION

The position of Graduate Electrical Engineer would suit a motivated, practical and adaptable individual who has the ambition to gain experience within a progressive and innovative design environment. Working under the direct supervision of experienced engineers, the post holder will support the delivery of a range of projects across a range of sectors.

- Computer literate
- Team player, adaptable and practical
- Excellent interpersonal, organisational and communication skills
- Strong attention to detail
- Ability to work well on own initiative

Functions:

The role of an Electrical Engineer will require the individual to undertake the following duties:

- Initially assist, and latterly lead, in the development of PLC based automation solutions required in industrial and municipal environments. Extensive PLC training will be available for Siemens, Mitsubishi, Allen Bradley and Omron PLC's and associated products.

- Liaise with Senior Electrical Engineers in the design and manufacture of Motor Control Centres to meet a range of client's varying needs.
- Using AutoCAD to design Motor Control Centres.
- Programming and commissioning Variable Speed Drives controlling pumps, fans, and other motors found within the water industry.
- Prepare electrical power and control cables interconnection block diagrams
- Review of electrical layout drawings and instrumentation arrangements
- The commissioning of PLC, HMI and SCADA systems on site.
- Preparation of instrument schematics, loop drawings and layout drawings

Working Conditions

Mainly office based with regular site and client visits throughout Northern Ireland.