



**Job Title:** Electrical and Electronic Engineer – Entry Level

**Reference:** EEE/190656

**Department:** Facilities Engineering

**Reporting to:** Sr Manager, Facilities Engineering

**Location:** Springtown, L'Derry

**Date:** April 2019

### **JOB SUMMARY:**

Electrical and Electronic Engineer, working on electrical, instrumentation & controls.

### **MAIN DUTIES:**

The Entry level engineer will assist current resources to:

- Ensure the integrity of the Electrical, Instrumentation and control (E,I&C) network
- Ensure Electrical, Instrumentation and control (E,I&C) drawings are updated
- Determine future (E,I&C) requirements
- Develop (E,I&C) maintenance programs
- Ensure electrical installations meet regulations
- Install electrical mapping software program
- Develop control strategies

### **KEY RESPONSIBILITIES**

- Understand essential facts, concepts, principles and theories relevant to (E,I&C) networks;
- Understand the impact of electrical loadings and operations in a high tech industry
- Closely liaising with other professionals, including design consultants, electrical supply companies and installers, Facilities Technicians and Engineers.
- Organising and assessing the work of contractors;
- Working with detailed diagrams, plans and drawings;
- Monitoring building systems and processes;
- Designing and maintaining automatic, intelligent and sophisticated control systems;

- Involvement in data collection projects, taking project from concept to production with a use of a mixture of software. e.g. (SQL,C,C# & R) and Hardware (PLC, R-pi, microcontrollers)
- Data manipulation & Data presentations, taking large amounts of Data and making it easily usable. e.g. (Shiny programming, Excel, R, Node Red)
- Ensuring that the design and maintenance of (E,I&C) systems meets the required legislative and health and safety requirements;
- Responding to and dealing with a variety of detailed records and paperwork;
- Maintain a sound theoretical approach to enhance current practice,
- Working on a variety of projects within a short period of time;
- Making decisions about expired systems equipment and the appropriate location of new equipment;
- Take a holistic approach, applying good judgement, balancing costs, benefits, safety, quality, reliability, appearance and environmental impact;
- Liaising with in-house project teams; compliance with Seagate standard operating procedures
- Use IT effectively;
- Attending a range of project groups and technical meetings.
- Maintain focus on producing results that meet or exceed plans or goals
- Maintain quality standards
- Be actively involved in continuous improvement initiatives
- Administration of company policies and procedures

**The above statements reflect the general tasks, duties, activities and/or responsibilities necessary to describe this position and is not intended to set forth all of the specific requirements of the job. These job duties/responsibilities may change or vary in response to business needs.**