Energy Systems Engineer
Estates Office
Permanent Administrator 1

Role Overview

There is a requirement for an Energy Systems Engineer, to supplement the existing team, to manage the effective and efficient delivery of the DCU energy management system across all campuses. While this position is primarily based on the Glasnevin Campus the post holder will be required to provide services at all of the University campuses including travel between campuses, and to carry out other Estates duties from time to time, as the need arises.

Reporting to the Head of Estates or nominee, the successful candidate will assist in all aspects of the University’s energy and water conservation management strategy, with responsibility for the implementation and management of the energy management strategy, energy projects delivery and buildings energy control systems across all campuses. This will include liaising and co-ordination with the estates operations and project management teams, and the University facilities management service provider.

Duties and Responsibilities

The main duties and responsibilities of this role will include, but not be limited to the following:

- Provide input into the Management, Strategy & Operation of the Estates Office Building and Energy Management Systems across all campuses
- Lead the development and implementation of design standards for the integration of the Energy Management Systems and Building Services in new building and refurbishment works
- Carry out Building and Systems Energy Auditing on a regular basis in line with current Estates Energy strategy
- Work with the Estates Office Energy Team to Manage and Conserve Energy and Water across all Campuses.
- Work with the Estates Office Energy Team to ensure compliance with the ISO 50001:2018 Certification standard across all campuses.
- Management and implementation of annual Energy related upgrade and retrofit projects including renewable energy options appraisal.
- Providing input to New Building and Existing Building Projects Works in relation to Controls Systems Strategies, Mechanical and Electrical Design Optimisation, BMS Control Equipment Specifications.
- Liaison and co-ordination with Estates Office Operations and Projects Teams to facilitate and embed Energy and Water conservation throughout the entire Estates Office function.
- Set up Monitoring, Targeting and Reporting (MTR) of Energy for all Buildings, Systems and Campuses.
- Annual Reporting and Recharging of Utilities costs for all Campus Companies, Schools and Units within DCU.
- Oversee in house energy training requirements for Estates colleagues and FM Service Providers.
- Oversee and engage with the day to day duties of the Estates Office to ensure the Campus and Facilities achieve Statutory Compliance, are Safe, and are Fit for Purpose, whilst also engaging and managing relevant third parties where necessary.
- Engage with the University Sustainability and Climate Action initiatives as directed across all Campuses.
- Ensure appropriate Business as Usual (BAU) utilities planning is in place to enable day to day University activity across all campuses.
- Work with the wider Estates Management team to ensure Campus and Facilities compliance and Best Practice associated with the energy management of Buildings and Facilities, including listed buildings.
- Liaise with internal and external stakeholders, including local authorities to ensure operational requirements are included in all Estate Energy Planning.
Establish good working relations with University Staff and Senior Stakeholders and to participate in User Group Meetings, Committees and Workshops as required.

Work with the Estates Team in day-to-day Reactive Maintenance, Emergency and Minor Works and provide back-up for other Staff as required.

The duties outlined should not be regarded as exhaustive. Other duties will be assigned according to the needs of the office and University, with a clear set of business objectives issued and agreed following appointment.

Qualifications and Experience:

This position is open to candidates who meet the following criteria:

- Applicants must hold a minimum of a primary degree in a relevant energy or engineering discipline along with a minimum of 5 years’ relevant experience in a similar environment
- Comprehensive knowledge of the Energy and Environmental Management Regulatory environment is essential
- Excellent Computing and Communication Skills and an ability to positively interact with both Internal and External Stakeholders is essential
- A comprehensive knowledge of HVAC, Electrical, Controls, Alarms and Metering Management systems is essential
- Demonstrable experience of Developing and Managing Building and Energy Management Systems
- Project management experience in the delivery of energy upgrade and retrofit projects would be an advantage
- Experience of Operating in a similar role within the Public Service, a familiarity of Higher Education and the wider Public Sector is desirable
- Relevant Energy Management System (EnMS) management experience to an International Energy Management Standard, similar to ISO50001 is desirable

Mandatory Training:

The post holder will be required to undertake the following mandatory compliance training: Orientation, Health & Safety and Data Protection (GDPR). Other training may need to be undertaken when required.