



Gaeltec Utilities



#JOB-2412702



GAELTEC UTILITIES, Ida Ireland Purcells,
Dublin Rd, Kilkenny, Co. Kilkenny, R95 A8PY



No of positions : 1



Paid Position



39 hours per week



50000.00 Euro Annually



18/09/2025



16/10/2025

How to apply

Application Method :

Please apply to the vacancy by the following means:

Email : recruitment.ie@gaeltecutilities.com



Open your camera
app & point here
to view this ad
online



Substation Design Engineer

Application Details

In order to work in Ireland a non-EEA National, unless they are exempted, must hold a valid employment permit. Please review the [Eligibility and requirements for an employment permit](#) if you are unsure of your eligibility to apply for this vacancy.

Job Description

Position: Substation Design Engineer

Location: Kilkenny

Contract: Fixed Term - Full time

Salary: €50,000

Are you ready to be a vital part of a dynamic and innovative utilities service company? As a leading company in the Energy and Telecoms Industries, Gaeltec Utilities is driven by a collective vision: creating a cleaner, brighter living for our future. Our journey is one of continuous growth and success, we are seeking a candidate who possess a high level of commitment and passion for their role within the company.

In return we offer a good working environment, competitive compensation package, progression opportunities, Employee Assistance Programme, personal development and Cycle to Work Scheme.

Overview of role:

We are seeking a Substation Design Engineer to lead the technical delivery of high-voltage substation projects (38kV to 400kV) across Ireland. This role requires involvement from tendering through to detailed design and construction, ensuring compliance with Irish Grid Codes, EirGrid/ESB standards, and EU directives. The ideal candidate will have strong technical and commercial awareness, and experience working in the design of transmission and distribution substations/projects.

Key Responsibilities:

Tendering & Proposal Support:

Review tender documents and client specifications (e.g. from ESB Networks).

Prepare concept designs, single line diagrams, and material take-offs to support bid packages.

Work with the Bid Coordinator to provide accurate technical inputs for costing.

Attend pre-bid meetings and contribute to technical clarifications and value engineering.

Design and Engineering Execution:

Lead the electrical design of HV/MV substations (AIS and GIS) including:

Primary design, lightning design, earthing design, and cable routing.

Supervise and coordinate outsourced design consultants and engineering service providers, ensuring adherence to project requirements, quality standards, and schedules.

Prepare and review technical specifications for major equipment: power transformers, switchgear, CTs/VTs, and perform calculations for major materials (ie. Busbar, cables, etc.).

Perform system studies: short-circuit, load flow, CT and VT suitability calculation and earthing.

Ensure compliance with Irish Grid Code, IEC standards, and relevant health & safety (HSA) regulations.

Coordinate with civil, structural, and control and protection/telecom design teams to ensure interface alignment.

Review supplier documentation, manage FATs, and provide technical oversight during installation and commissioning (with limited visits to site).

Essential Skills and Knowledge Requirements:

Degree in Electrical Engineering (Level 8 or above).

Minimum 7–10 years of experience in substation design.

Familiarity with EirGrid /ESB specifications (desirable) and TSO/DSO procedures.

Chartered Engineer (CEng) or working toward chartership (Engineers Ireland), preferred but not essential.

Proficient with AutoCAD, Revit, ETA

- **Sector:** electricity, gas, steam and air conditioning supply

Career Level

- Experienced [Non-Managerial]