



Gaeltec Utilities

#JOB-2430562

GAEYTEC UTILITIES, IDA Purcellsinch

Business Park, Dublin Rd, Kilkenny, Co.

Kilkenny, R95 A8PY

No of positions : 1

Paid Position

40 hours per week

To be Confirmed

23/01/2026

20/02/2026

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

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 substation/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 & 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 & 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, ETAP/DigSILENT, EPLAN and Microsoft Office Suite.
- Strong communication skills with experience in client-faci
- **Sector:** electricity, gas, steam and air conditioning supply

Career Level

- Experienced [Non-Managerial]