

# Design Engineer - Graduate

## Job Description

4site is a progressive engineering design and build business servicing the needs of the telecommunications industry, utilities and commercial enterprises. Our HQ is in Limerick, with additional offices in the UK. In business for over 15 years, we are committed to providing innovative solutions to our customers to enable them to deliver the next generation of services for their customers.

We're looking for a determined and enthusiastic individual to join our experienced team of talented people with expertise across multiple engineering disciplines.

## Reporting to

Design / Survey Team Lead

## Role and Responsibilities

The main responsibilities of the role will include:

- Complete graduate program outlined below
- Creating site designs for all site types
- Production of drawings from planning to completion
- Complete site surveys
- Liaising with clients & suppliers
- Liaising with senior designers to reach optimised solutions

As an engineer you will be expected to produce effective solutions with help from team members. We believe that this is an exciting opportunity to join a dynamic company in the field of telecommunications and to help drive it forward.

## Experience and Qualifications

- Third level engineering degree or equivalent
- Excellent AutoCAD / GIS skills
- Efficient Microsoft office skills

innovation engineered





## Personal Attributes

- Determined and enthusiastic
- Keen to learn & develop skills
- Good time management and organisational skills
- Strong team player
- Good communicator & IT literate
- Attention to detail
- Driven to succeed
- Willing and able to travel (full clean driving license) travel to sites for surveying phases will be part of the job.

Salary: Negotiable

Applications to [careers@4sitenetworks.com](mailto:careers@4sitenetworks.com)

## About 4site

For over 15 years, 4site have provided the highest quality turnkey services to customers who deploy, maintain and operate utilities infrastructure across Ireland and the UK. We are an Engineers Ireland CPD Accredited Employer and strive for constant improvement and innovation.

We know how to conceptualise, design and build network solutions with the future in mind. We partner with some of the world leaders in our industry to enable their vision in an always evolving technology landscape.

We have built some of the best networks in the world for leading brands like Vodafone, Siro, Cityfibre, Commscope, Three, EE, O2, eir, Huawei, Ericsson and more.

We're working on exciting projects including;

- Nationwide FTTH projects
- Small cell densification programmes to enable IoT
- 4G/LTE upgrades
- Optimised fibre design for FTTH roll-out
- BIM (Building Information Modelling) enabled projects
- Technical solutions for infrastructure projects in telecoms, utilities energy and enterprise communications

We are thinkers, designers, engineers and managers. This is a great opportunity to join a dynamic team with expertise and experience working on exciting projects that create new and better experiences for our customers.

## Graduate Programme

This course is an introduction to Design Engineering in wireless & fibre telecoms and will introduce candidates to all aspects of site design, network rollout & build.

### 1. Course Content

- Introduction to wireless telecoms
- Introduction to fibre networks
- Design Best Practice
- Site Survey Techniques
- Site Builds
- Antenna Systems Design
- Power Engineering
- Structural & Geotechnical Engineering on Telecoms Sites
- Acquisition & Planning Process
- GIS Tools & Packages
- Health & Safety
- Customer interaction

### 2. Learning Outcomes

- Full knowledge of various telecoms site types
- Design & Build Strategies
- Knowledge of end to end Design & Build Process
- Completion of fully designed & built telecoms site
- Proficiency in GIS Systems & Tools
- Completion of an optimised FTTH network design
- Quality approach to project delivery

### 3. Course Structure

- 16 x 2 hour introduction workshops
- On the job training
- Mentor assigned to each trainee

### 4. Assessment

- Review of trainee by assigned Mentor and Project Manager
- Exam & continual feedback sessions
- Sign off by Operations Director

### 5. Course duration

- 6 months