



We are looking to take on an Apprentice for our Power & Hydro Department at Alvance British Aluminium. The role provides structured on-the-job training supporting electrical plant, distribution systems, and site-critical equipment.

### **About Us**

Established since 1929, ALVANCE British Aluminium, part of the GFG Alliance, owns and operates the last remaining aluminium production plant (smelter) in the UK and a connected hydropower electricity generation station located on the slopes of Ben Nevis, Britain's highest mountain. A combination of renewable energy sources makes this site one of the greenest metal production plants in the country

### **The Course**

Duration - 4 years 6 Months *[6 months to apply qualification to work]*

First year is spent in college - UHI Inverness.

Start date July 2026 *(college starts in September)*

You will gain: National Certificate *(with option to progress to HNC and HND)*, SVQ Level 3 at SCQF level 6

### **What you will learn:**

#### **Technical Skills**

Hands on experience with various tools, equipment, and technologies.

#### **Problem Solving**

Learn to analyse problems, identify root causes, and implement effective solutions.

#### **Project Management**

Learn about project timelines, budgeting, and resource allocation.

#### **Communication Skills**

Learn to convey technical information to both technical and non-technical audiences.

#### **Safety Protocols**

Understand and adhere to safety regulations and protocols in engineering environments.

#### **Quality Control**

Gain knowledge of quality control processes and methods to ensure that engineering projects meet specified standards.

#### **Professional Development**

Acquire an understanding of the broader engineering industry, including its trends, advancements, and best practices.



## **Networking**

Build a professional network by interacting with experienced engineers, mentors, and industry professionals.

## **Regulatory Compliance**

Learn about relevant laws, regulations, and standards governing the engineering profession.

## **Adaptability and Innovation**

Cultivate a mindset for innovation and continuous improvement.

## **DUTIES & RESPONSIBILITIES**

### **1. Electrical Plant & Equipment**

- Support planned maintenance, inspections, and shutdown activities.
- Assist in the maintenance and fault diagnosis of electrical equipment and associated systems.
- Learn to interpret electrical drawings, schematics, and single line diagrams.
- Develop understanding of site process equipment and auxiliary systems.

### **2. Electrical Distribution (LV & HV)**

- Support maintenance of LV and HV switchgear, transformers, motors, and protection systems.
- Assist with safe isolation, switching procedures, and permit-to-work systems in accordance with site safety rules.
- Participate in inspection and testing of distribution boards, cabling systems, and associated infrastructure.

### **3. Control & Power Systems**

- Assist with maintenance of control panels, power supplies, UPS systems, and associated equipment.
- Learn systematic fault-finding and problem-solving techniques on operationally critical systems.
- Support testing and commissioning activities where appropriate.

### **4. Health, Safety & Environmental Compliance**

- Comply fully with Health & Safety at Work Act requirements and site-specific safety rules.
- Work under supervision in line with Safe Systems of Work and Permit to Work procedures.
- Complete mandatory training (e.g., electrical safety, manual handling, working at height).
- Promote and contribute to a positive safety culture.



## **5. Apprenticeship & Professional Development**

- Attend college as required and successfully complete all academic modules.
- Build and maintain an SVQ portfolio of workplace evidence.
- Participate in regular reviews with workplace mentor and training provider.

### **Hours of work**

37 Hours Mon - Fri

### **Salary:**

£20,280 per annum

- Annual Increments each year in September
- All expenses paid, including college accommodation and travel allowance
- Salary upon qualification from £39,855.49

**Deadline for the applications is Friday 20th March 2025.**

### **Requirements**

- Four National 5s, two at A or B (one of which must be Maths) and two at A – D
- Must be aged 16 or over
- Scottish resident with a Right to Work in the UK.