Wind Turbine Maintenance Technician - Cross Skill Programme

The ECITB Wind Turbine Maintenance Technician Cross Skill Programme is an industry designed, future focused training pathway that equips skilled Electrical, Mechanical and Instrument & Control Technicians to step confidently into the fast growing wind operations and maintenance sector.

Developed in partnership with leading wind industry employers and aligned with National Occupational Standards, this six-week programme blends ECITB's high quality technical pathways with Global Wind Organisation's (GWO) accredited safety and technical training.

It builds the specialist capabilities the wind industry needs, from SCADA fundamentals and high voltage switchgear awareness to hands on turbine maintenance practices, while ensuring safe working behaviours are embedded throughout.

With turbine site experience and a curriculum shaped by the skills needs of a transitioning UK energy sector, the programme unlocks opportunities for technicians to diversify, progress and thrive in clean energy careers. On successful completion, learners will be able to safely plan, perform and document wind turbine maintenance activities with additional knowledge, skills and confidence.

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Programme prerequisites

Core disciplines	Electrical Technicians	Mechanical Technicians	Instrument & Control Technicians (I&C)
Mandatory qualifications	Relevant L3 NVQ / VQ / SCQF 6 or apprenticeship in electrical, mechanical or I&C engineering/ maintenance		
Competence prerequisites: Connected Competence tests or equivalent	**TIE08** Installing AC electrical motors **TEM06** Inspect, test and maintain industrial switchgear equipment **TEM14** Periodic inspection of a three-phase system	**TMM01** Maintaining hydraulic systems **TMM05** Maintaining centrifugal pumps **TMJI10** Dismantle, assemble and hand torque flanged joints*	**TMI14** Flow measurement and control systems **TMI17** Maintain, calibrate and commission a process control valve **TSBT02** Disassemble and reinstall SBT assemblies

*NOTE: If the attendee attends the MJI10 course during the programme, TMJI10 will not be required as a prerequisite.

Programme training content

Electrical Technicians	Mechanical Technicians	Instrument & Control Technicians (I&C)
• ECITB mechanical pathway • ECITB I&C pathway	• ECITB electrical pathway • ECITB I&C pathway	• ECITB mechanical pathway • ECITB electrical pathway
CCNSG Safety Passport		
• GWO Basic Safety Training (BST) - First Aid, Manual Handling, Fire Awareness, Working at Height • GWO Enhanced First Aid • GWO Basic Technical Training (BTT) • GWO Slinger Signaller • GWO Advanced Rescue Training		
Energy Institute Wind Turbine Safety Rules Core Course		
Other mandatory elements: • Onshore and offshore wind industry awareness • Introduction to Supervisory Control and Data Acquisition (SCADA) • Introduction to High Voltage Switchgear • Condition Monitoring on Wind Turbines • Wind turbine site visit		

Optional content

Electrical Technicians	Mechanical Technicians	Instrument & Control Technicians (I&C)
• ECITB MJI10 Mechanical Joint Integrity course and MJI33 – Torque and Tension Wind Turbine Bolted Connections (optional for Electrical and I&C Techs) • ECITB Slinger Banksman • GWO Sea Survival		

Learning outcomes

- Understand and explain the considerations involved in preparing maintenance activities and the necessary actions to take after completing maintenance activities
- Understand the procedures and techniques required to carry out maintenance activities effectively and safely
- Demonstrate the ability to safely and effectively prepare, perform and correctly conclude and document maintenance activities

On the successful completion of the programme, attendees will receive an ECITB certificate of training, the relevant GWO training record reflected in the GWO Winda Profile.

This programme will enable existing skilled and competent technicians to step into the renewable energy workforce. It grows their capability, enhances worker mobility and supports the energy transition.

The programme has been mapped against and aligns with the learning outcomes within the qualification - ITC First Level 3 Award in Safe Working Practice in the Wind Turbine Industry. Candidates will need to produce a portfolio of evidence from the GWO practical elements and be assessed through an ITC First approved training provider.

Progression opportunities

Wind Turbine Maintenance Technicians can further specialise into 'troubleshooting' roles and other technical progression opportunities across engineering, management and consulting specialisms.

For more information on the programme please email **programmeadmin@ecitb.org.uk**

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