



## CERTIFICATE OF VALIDATION

New validation - **Extension #1**

Validation Process: **New**

<b>Provider Name</b>	Kerry Education and Training Board
<b>Date of Validation</b>	10-Feb-22

	<b>Code</b>	<b>Title</b>	<b>Award</b>	<b>Exit</b>
<b>Principal Programme</b>	PG24656	Advanced Certificate in Industrial Wind Turbine Engineering	Advanced Certificate (Advanced Certificate at NFQ Level 6) 6M21803 220 credits	N/A
<b>Embedded Programme</b>	N/A			

	<b>First Intake</b>	<b>Last Intake</b>
<b>Enrolment Interval</b>	Apr-22	Apr-25

### Principal Programme

	<b>Full Time</b>	<b>Part Time</b>	<b>Delivery Mode: full-time / part-time</b>
<b>Maximum Intakes per Annum:</b>	1	0	Full Time
<b>Minimum Learners per Intake:</b>	12	0	
<b>Maximum Learners per Intake:</b>	18	0	
<b>Duration (months)</b>	36	N/A	

#### Target Learner Groups

This programme is open to applicants 18 years or over, who:

- a) Are currently working for an employer who operates and maintains commercial wind turbines and who intend to work in the role of maintenance technician
- b) Who, on achieving the qualification will seek to continue their training with a HEI or progress to more senior job roles in the industry

The target group for this apprenticeship includes:

- a) Those leaving mainstream education who are 18 years or over, & who hold a qualification NFQ Level 4
- b) Holders of EU qualifications, specifically who have a minimum of 5 passes in a certificate placed at EQF Level 3
- c) Those with three years' trade related experience who want to develop a career as a technician in the industry, specifically those who do not hold the above qualifications but who are in a position to provide evidence of this work history
- d) Current employees within the wind industry who are seeking to obtain a qualification at NFQ Level 6 to enhance their employability and career pathways

#### Brief Synopsis of the Programmes

This is a three-year apprenticeship for those employed in the wind industry who are seeking to become qualified maintenance technicians. The programme is delivered through alternating blocks of centre based and work based training- allowing the apprentice to integrate knowledge and skills gained in the training setting with those acquired and consolidated in the workplace. Through acquiring both theoretical and practical understanding and skills over the three years – apprentices will develop full competence in the role of Wind Turbine Maintenance Technician.



<b>Teaching and Learning Modes</b>	<ol style="list-style-type: none"> <li>1. Directed Learning</li> <li>2. Group Discussions/Interactions</li> <li>3. On-the-Job Training</li> <li>4. Practical Sessions</li> <li>5. Self Directed Learning</li> <li>6. Simulated Work Environment</li> </ol>
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<b>Approved Countries</b>	Ireland
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**Physical Resource Requirements**

- Flat Classroom
- Computer lab with 18 computers. Each computer must have access to originating equipment manufacturer (OEM) turbine specification data and Moodle access
- Floor mounted turbine
- Climbing tower 23 meters with Latchways fall arrest
- Turbine on 4-meter tower
- Internal climbing frame
- 18 ropes and harnesses, 18 Safety helmets and Lanyards
- 18 Latchways fall arresters, and 18 sets PPE (full industry)
- 4 Evacuation kits, 2 stretchers, and 2 Rescue training mannequins

<b>Staff Profiles</b>	<b>Qualifications and Experience</b>	<b>WTE</b>
National Programme Coordinator	A Diploma/Degree in a relevant discipline ., with appropriate experience including line management responsibility, financial management, management of staff development, project evaluation, and continuous improvement cycles-with the ability to take the lead responsibility for the development of the programme	0.50
Programme Leader	A Diploma/Degree in a relevant discipline, with appropriate background in assessment management, administration and quality assurance, with the necessary authority to ensure correct and consistent implementation of management, administrative, assessment and internal verification procedures both on and off-the-job across the provider as a whole	0.25
Instructors	Level 6 Advanced Certificate, a National Diploma or Higher Education and Training qualification mapped to ISCED/Engineering and engineering trades/0713 Electricity and Energy-plus experience of instructing and a min of 5 years post qualification experience in the area of wind turbine maintenance	2
ICT Instructor	ICT Instructor- hold a Level 6 Advanced Certificate, a National Diploma or Higher Education and Training qualification mapped to ISCED/Business and administration/0611 Computer Software Use plus experience of instructing	0.75

<b>Approved Centres</b>	<b>Centre</b>	<b>Minimum Number of Learners per Intake per Centre</b>	<b>Maximum Number of Learners per Intake per Centre</b>
	079084 Kerry College of Further Education & Training, Monavalley Campus	12	18

<b>Additional Locations</b>	<b>Location Name</b>	<b>Minimum Enrolment per Annum</b>	<b>Maximum Enrolment per Annum</b>
	N/A		



Learner Teacher Ratios	Learning Activity	Ratio
	Directed learning	1:18
	On-the-job Training	1:2
	Simulated Work Environment	1:18
	Practical Sessions	1:18
	Group Discussions/Interactions	1:18

Programme being replaced by this Programme	Prog Code	Programme Title	Validated
	N/A		



# Conditions of Validation of the Programmes Covered by this Certificate of Validation

## Part 1: Statutory Conditions of Validation

The statutory (section 45(3) of the 2012 Act) conditions of validation are that the provider of the programme shall:

1. Co-operate with and assist QQI in the performance of QQI's functions in so far as those functions relate to the functions of the provider,
2. Establish procedures which are fair and consistent for the assessment of enrolled learners to ensure the standards of knowledge, skill or competence determined by QQI under section 49 (1) are acquired, and where appropriate, demonstrated, by enrolled learners,
3. Continue to comply with section 65 of the 2012 Act in respect of arrangements for the protection of enrolled learners, if applicable, and
4. Provide to QQI such information as QQI may from time to time require for the purposes of the performance of its functions, including information in respect of completion rates.

## Part 2 Conditions of Validation Established by QQI Under section 45(4)(b) of the 2012 Act

### Part 2.1 Condition of Validation Concerning a Change in the QQI Award or Award Standard

1. Where QQI changes an award title, an award specification or an award standard that a programme depends upon, the provider shall not enrol any further learners on the affected programmes unless informed otherwise in writing by QQI (e.g. by the issue of a revised certificate of validation). The programme is considered validated for learners already enrolled on the affected programme.

### Part 2.2 Condition of Validation Concerning the Duration of Enrolment

1. The duration of enrolment is the interval during which learners may be enrolled on the validated programme.

Validation is determined by QQI for a specified number of years of enrolment appropriate to the particular programme as indicated on the certificate on validation subject to unit 9.2.1. It is a condition of validation that the programme does not enrol any new learners outside this interval. A typical duration would be five years.

If a provider wishes to continue to enrol learners to the programme beyond this interval the provider must arrange in good time for it to be validated again by QQI, or exceptionally the provider may apply for extension of the duration of enrolment (unit (14)). In this context the provider may apply for validation of the programme from first principles or, alternatively, the provider may avail of the process for revalidation (unit (13)) by QQI.

### Part 2.3 General Condition of Validation

The provider of the programme shall:

1. Ensure that the programme as implemented does not differ in a material way from the programme as validated; differing in a material way is defined as differing in any aspect of the programme or its implementation that was material to QQI's validation criteria.
2. Ensure that the programme is provided with the appropriate staff and physical resources as validated.
3. Implement in respect of the programme its written quality assurance procedures (as approved by QQI).
4. Make no significant change to the programme without the prior approval of QQI. (See unit (8)).
5. Unless otherwise agreed by QQI in writing, start implementing the programme as validated and enrol learners within 18 months of validation.
6. Continue in respect of the validated programme to comply with section 56 of the 2012 Act in respect of procedures for access, transfer and progression.
7. Implement the programme and procedures for assessment of learners in accordance with the Approved Programme Schedule and notify QQI in writing of any amendments to this arising from changes to the programme; see unit (9).
8. When advertising and promoting the programme and awards, use the programme title as validated, and the correct QQI award title(s), award type(s) and award class(es) indicating the level of the award(s) on the National Framework of Qualifications.



9. Adhere to QQI regulations and procedures for certification.

10. Notify QQI in writing without delay of: a. Any material change to the programme; a. Anything that impacts on the integrity or reputation of the programme or the corresponding QQI awards; b. Anything that infringes the conditions of validation; or c. Anything that would be likely to cause QQI to consider reviewing the validation.

11. Notify QQI in writing to determine the implications for the provider's validated programmes, where the provider is likely to, or planning to, merge (amalgamate) with another entity or to acquire, or be acquired by, another entity (see unit (12.5)) .

12. Report to QQI, when required or requested, on its implementation of the programme and compliance with the conditions of validation.

#### **Part 2.4 General Condition of Validation Arising from Specialised Validation Policy and Criteria**

1. N/A

#### **Part 2.5 Special Conditions of Validation**

1. N/A



## Programme and stage schedules

### PG24656 Advanced Certificate in Industrial Wind Turbine Engineering

<b>Name of Provider</b>		Kerry Education and Training Board											
<b>Programme Title</b>		PG24656 Advanced Certificate in Industrial Wind Turbine Engineering											
<b>Award Title</b>		Advanced Certificate							<b>Exit Award</b>		N/A		
<b>Teaching and learning modalities</b>		Directed Learning; On-the-Job Training; Self Directed Learning; Simulated Work Environment; Practical Sessions; Group Discussions/Interactions											
<b>Delivery Modes</b>	<b>Award Class</b>	<b>Award NFQ Level</b>	<b>Award EQF Level</b>	<b>Stage</b>	<b>Stage NFQ Level</b>	<b>Stage Credits</b>	<b>First Intake</b>		<b>ISCED Code</b>				
Full time	Major	6	5	Award Stage	6	220	01 Apr 2022		07.1.3				
<b>Module</b>				<b>Total Student Effort Module (Hours)</b>					<b>Allocation of Marks</b>				
<b>Title</b>	<b>Semester</b>	<b>Status</b>	<b>Credit</b>	<b>Total Hours</b>	<b>Class Contact Hours</b>	<b>Direct e-learning</b>	<b>Hours of independent learning</b>	<b>Work-based learning efforts</b>	<b>C.A. %</b>	<b>Project %</b>	<b>Skills demonstration %</b>	<b>Exam %</b>	<b>Workbased %</b>
Wind Turbine Health and Safety	Not Applicable	M	10	91	81	0	10	0	100	0	0	0	0
Introduction to ICT	Not Applicable	M	5	60	52	0	8	0	100	0	0	0	0
Wind Turbine Operations	Not Applicable	M	10	79	52	0	27	0	0	50	0	50	0
Electrical Systems 1	Not Applicable	M	10	160	135	0	25	0	0	0	0	100	0
Mechanical Systems 1	Not Applicable	M	10	160	135	0	25	0	0	0	0	100	0
Stage 2 On-the-Job	Not Applicable	M	20	645	0	0	85	560	20	0	80	0	0
Electrical Systems 2	Not Applicable	M	10	165	135	0	30	0	0	0	50	50	0
Mechanical Systems 2	Not Applicable	M	10	165	135	0	30	0	0	0	50	50	0
Inspection & Maintenance of Component	Not Applicable	M	15	194	134	0	60	0	0	0	50	50	0
Stage 4 On-the-Job	Not Applicable	M	25	645	0	0	85	560	20	0	80	0	0
Electrical Systems 3	Not Applicable	M	10	143	113	0	30	0	0	0	50	50	0
Mechanical Systems 3	Not Applicable	M	10	143	113	0	30	0	0	0	50	50	0
Diagnostics & Location of Faults on Wind Turbines	Not Applicable	M	20	288	258	0	30	0	0	0	50	50	0
Stage 6 On-the-Job	Not Applicable	M	35	646	0	0	86	560	20	0	80	0	0



Capstone Assessment	Not Applicable	M	20	246	123	0	123	0	60	40	0	0	0
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