

Wind Turbine Technician

What is it?

A wind turbine technician is a skilled professional responsible for installing, maintaining, and repairing wind turbines. These technicians play a critical role in the renewable energy industry by ensuring that wind turbines operate efficiently and safely, contributing to the generation of clean energy. Wind turbine technicians work both onshore and offshore.

Qualifications/Experience Required:

To become a wind turbine technician in the UK, a relevant qualification in electrical or mechanical engineering, such as a Level 3 NVQ or a BTEC National Diploma, is typically required. Some technicians enter the field through apprenticeships, gaining hands-on experience while studying

What the Work Involves:

Installing new wind turbines, including assembling and connecting components, wiring electrical systems, and testing functionality. Conducting routine maintenance checks to ensure turbines are operating efficiently and safely. Diagnosing and repairing faults in electrical, mechanical, or hydraulic systems within the turbines. Performing troubleshooting and fixing issues that may cause downtime or inefficiencies in energy production. Working at heights, often using safety harnesses and climbing equipment, to access turbine components.

Future Prospects – Labour Market Information:

The demand for wind turbine technicians is expected to grow as the UK continues to invest in renewable energy, particularly wind power. With the expansion of wind farms across the country, both onshore and offshore, there are increasing opportunities in this field. Experienced wind turbine technicians can progress to supervisory or managerial roles, such as wind farm manager or maintenance supervisor.

Average annual Salary - £25,000 - £47,000

Typical weekly hours – 37 to 40

Type of person who may be suited to this job:

This job may be suited to individuals who are technically minded, enjoy working with their hands, and have a strong interest in renewable energy. Wind turbine technicians need to be comfortable working at heights, physically fit, and able to work in various weather conditions.

Money/Wage Guide:

Entry-level wind turbine technicians can expect to earn between £25,000 and £30,000 per year. With experience, salaries can rise to £35,000 to £45,000. Senior technicians or those in specialized roles, such as offshore work, may earn upwards of £50,000 annually.

Related Opportunities:

- Electrical Engineer
- Renewable Energy Technician
- Health & Safety Officer
- Wind Farm Manager

Further Information:

Global Wind Organisation (GWO):
<https://www.globalwindsafety.org/>

RenewableUK
<https://www.renewableuk.com/>