

Career Pathway Spotlight

Discover a Career as a Wind Technician



Discover your career in energy!

Wind technicians climb 300-foot turbines on land and at sea, performing the maintenance, troubleshooting, and modernization that keep one of the country's fastest-growing renewable energy sources spinning safely and reliably.

Onshore Wind Farms

Across plains, mountains, and farmland in nearly every region of the country, wind technicians climb towers to maintain the turbines that supply a growing share of America's electricity. They inspect, repair, and troubleshoot the equipment that keeps blades turning.

Offshore Wind Operations

Along the Atlantic coast and increasingly in the Pacific and Gulf, offshore wind technicians service massive turbines from crew transfer vessels. They climb hundreds of feet above the ocean to maintain the next generation of large-scale renewable power.

Modernization, Repair & New Construction

As America's earliest wind farms reach the end of their original lifespans, technicians are repowering older turbines, replacing blades and gearboxes, and commissioning brand-new sites. The work blends precision maintenance with new construction in clean energy's fastest-growing sector.

CAREER PATH

Start with:

- » A high school diploma or GED

Get Educated:

- » A community college or vocational training program
 - A two-year electrical or mechanical technician degree
- » A wind training school or apprenticeship pathway
- » A military pathway with electronics or mechanical experience
 - Navy Electrician's Mate, Air Force Electrical Systems, or Army Combat Engineer

Specialize With:

Certificates or credentials

- » BZEE Wind Technician Certification
- » Lockout-Tagout (LOTO) certification
- » Global Wind Organisation (GWO) Basic Safety Training programs

Knowledge in:

- » High-voltage systems
- » Blade repair
- » SCADA monitoring
- » Turbine commissioning
- » Drone inspections

OCCUPATIONAL SKILLS

- » Strong mechanical and electrical aptitude and curiosity
- » Sharp attention to detail and strong safety focus
- » Comfort with heights, lifting, and outdoor environments
- » Strong problem-solving and methodical troubleshooting skills
- » Clear communication on radios and across teams
- » Adaptability across shifts, weather, and remote sites
- » Comfort with computers, SCADA, and digital systems

BENEFITS

These energy industry careers offer:

- » Strong, growing demand across the U.S. wind sector
- » Competitive pay with overtime and travel premiums
- » Advancement from technician to plant manager
- » Specialize in blades, SCADA, drones, or commissioning
- » Professional development and ongoing technical training

What Might You Do As A Wind Technician?

ENTRY LEVEL

1-4 years

What you will do:

- » Performing daily scheduled maintenance on wind turbines under direct supervision
- » Climbing 300-foot wind towers and inspecting equipment from inside the nacelle
- » Troubleshooting wind turbines in a faulted state alongside senior technicians
- » Using SCADA systems to monitor turbines and run support tasks across the farm
- » Performing data collection, preparing reports, and QA/QC inspections
- » Following lockout/tagout, fall protection, and other turbine site safety protocols

MID- CAREER

5-8 years

- » Independently leading daily operations and maintenance for assigned turbines
- » Climbing multiple wind towers each day to inspect, troubleshoot, and repair
- » Testing electrical, mechanical, and hydraulic systems across turbine platforms
- » Using AI-assisted drone inspections to identify blade and structural issues
- » Training Tech I and Tech II technicians on safety, systems, and procedures
- » Performing routine maintenance and supporting the commissioning of new turbines

EXPERIENCED

8+ years

- » Managing and supervising contractors and employees across the wind farm site daily
- » Establishing high safety standards and shaping site procedures and policies for the team
- » Managing approved projects and overseeing project completion to schedule
- » Performing routine audits of maintenance activities and inspection records
- » Adopting new technology like AI drone inspections, predictive analytics, and digital twins
- » Identifying technician training needs and shaping safety programs companywide

What knowledge, skills and abilities will you need to succeed?

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| <ul style="list-style-type: none"> » Listen and follow directions from senior technicians » Ability to climb wind turbine towers 300 feet in height » Comfortable at heights and lifting 50 pounds above your head » Strong computer skills and Microsoft Office familiarity » Eagerness to earn BZEE Wind Technician Certification and GWO Safety Training | <ul style="list-style-type: none"> » Active BZEE Wind Technician Certification and GWO Safety Training » Proficient understanding of pneumatics, hydraulics, gearboxes, and turbine electrical systems » Ability to read and interpret drawings and schematics » Clear communication with crews, customers, and engineers » Composure during equipment failures and weather-driven plant shutdowns » Strong attention to detail and proven mentoring abilities | <ul style="list-style-type: none"> » A bachelor's degree in electrical or mechanical engineering with experience » Project management and supervisory skills across crews and contractors » Excellent communication, organization, and time management » Proficiency in SCADA and the Microsoft Office suite » Mastery of change management as wind technology evolves rapidly |
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GET PAID!

Entry Level:

- » \$49,110 / year*

As You Gain Seniority:

- » \$62,580 / year*

Later in Your Career:

- » \$88,090 / year*

*Source: United States Energy & Employment Report (2025). These figures use the 10th, 50th, and 90th percentiles of all workers in the role as a proxy for seniority progression and for consistency with BLS OEWS and the United States Energy & Employment Report. Compensation figures should be used as a guide; actual compensation may vary depending on education, geography, experience, and many other factors.



ENERGY INDUSTRY CAREERS OFFER:

- » Excellent salaries
- » Opportunities for advancement
- » Job growth & stability
- » Professional development and training
- » Great benefits

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