

Wind turbine claims services

Wind power is one of the fastest growing sectors in renewable energy. New wind power installations totaled 93,604 megawatts (MW) in 2021 and are projected to grow to 128,766 MW by 2026.* When wind turbine losses occur – whether they are caused by environmental conditions, design flaws, fabrication issues or lack of maintenance – businesses need industry experts to help. Our experienced team offers comprehensive services for wind turbine claims and can assist clients anywhere in the world.

Solutions and expertise

Working as technical liaisons between owners, service vendors and insurers, our investigators identify the root cause of the loss, quantify damages, and provide repair or restoration options to return wind turbine generators to service quickly. They are Global Wind Organization (GWO) certified and provide valuable expertise for clients. Our services include:

Design and fabrication

- Design specification review, evaluation and risk assessment
- Identification of structural, mechanical, electrical and control system deficiencies
- Assessment of material selection and manufacturing processes
- Fabrication deficiency analysis (blades, generator and gearbox)
- System design review for down conductor and lightning protection
- Structural deficiency analysis (blades, tower and foundation)

Transportation and construction

- Review of loading, securing, transit and unloading procedures
- Transportation damage assessment
- Erection and assembly assessments



Operational failures

- Fire origin and cause investigation
- Blade damage or detachment failure analysis
- Blade vibration and stress analysis
- Lightning damage assessment and cause determination
- Gearbox and mechanical equipment failure analysis
- Computer control system failure investigation
- Structural collapse investigation
- Tower condition assessment

Operations, quality assurance and maintenance

- Supervisory control and data acquisition (SCADA) software interpretation and evaluation
- Site survey, first article test and commission/maintenance protocols
- Tooling and installation practices evaluation
- Environmental impact evaluation

EFI Global has experienced professionals and technical specialists who carry out in-depth investigations, deal with a full range of losses and provide immediate response to clients worldwide.

* Need for faster wind power installation is direr than a year ago: GWEC, IHS Markit, April 5, 2022.

<https://cleanenergynews.ihsmarkit.com/research-analysis/need-for-faster-wind-power-installation-is-direr-than-a-year-a.html#:~:text=The%20expected%20>

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To learn more about our integrated and customized solutions, visit [EFIGLOBAL.COM](https://www.efiglobal.com)