



Leaders in Wind Energy Recovery Solutions





Support for Specialized Infrastructure

The growing wind industry encompasses vast challenges, and yet sees significant growth each year, despite them. Just the sheer size and dimensions of wind turbines and their components are one thing, but along with that, each item requires special logistical handling and maintenance throughout the lifetime of the turbine.

Wind turbines are extremely expensive pieces of equipment, and they operate in harsh environments withstanding constant impact to extreme heat, extreme cold, dust, sea mist, lightning, humidity and other contaminants. The likelihood of keeping them operating properly, with the amount of risks they face purely through their location alone, is quite difficult.

Minimizing the Impact

Whether the downtime is a result of fire, water, chemical contamination, or other environmental factors, AREPA has proven experience providing quality damage assessment, damage control, and restoration to wind turbines. We deliver options for the most cost-effective solution, with the least amount of business interruption, to get business owners back to normal production.



Every hour a wind turbine is out of commission represents a weekly loss of more than \$25,000 USD/ €22,000 for the producer.¹

Getting Back into Production: Developing a Short-term and Long-term Game Plan

Not many companies in the world offer clients access to the type of analysis provided by AREPA's technicians and engineers. Combined with the rapid response of our global team, we stand ready to rectify any acute issues to get the turbine back up and running as quickly as possible. Along with this, and more importantly, we strategize a game plan to make sure the turbine has long-term success. Chemical impact, or secondary damage, relating to even a minor fire or electric arc, leaking oil or other damages can reduce the life expectancy substantially and cause serious breakdowns later. Neutralizing any and all chemical impacts is imperative as minor contamination can lead to corrosion over time.

Incidents We See Most Often:

- Fires, soot and corrosion following electrical and mechanical failures or lightning strikes
- Oil and coolant contamination from leaks and spills
- Flooding and seawater contamination
- Dust related to equipment breaks or the environment
- Shipping accidents resulting in equipment contamination and corrosion
- Transport damages occurring during transport or storage (corrosion and contamination)



The World's Fastest Growing Form of Renewable Energy: Wind

By 2023, renewables are forecast to meet more than 70 percent of global electricity generation growth, led by solar PV and followed by wind.²

What You Get With AREPA, Following an Incident:

- 24/7 first response services to minimize damages
- Damage assessment including chemical analysis, recommendations and short- and long-term solutions for fast and effective recovery
- Easy to understand documentation in the form of recommendations, estimates and detailed reporting
- Site preparation for reconditioning
- Reconditioning of technical equipment (mechanical, electrical and electronics)
- Both on-site/mobile facilities and workshop facilities
- Rope access
- Blade repair and inspection by rope access
- Project management

Why Clients Trust AREPA

For more than three decades, our technicians and engineers have restored hundreds of wind turbines in countries around the world. We can get you back up and running, but most importantly, we use proven techniques to extend the longevity of the equipment. No one can predict future damages, due to the inconsistency of the environment, but we will do our very best to make sure that when we leave, the equipment is functioning at 100 percent capacity—and, we'll guarantee it.

AREPA's Guarantee

AREPA offers a guarantee for all jobs because we stand by our work, and we want our clients to be 100 percent satisfied after completion. The guarantee for a decontamination job is naturally framed by the scope of the work, established in the report, offer, order, or other description of the job. After cleaning and decontamination, the surfaces will be considered the same as they were before the damage. In the event that there is a consequence caused by inadequate or wrong treatment or wrong handling by AREPA or our subcontractors during the activity or any consequential damage caused by our chemicals on the components handled by AREPA, the owner will be covered by AREPA for 12 months. AREPA is fully insured to cover consequences of our work, in accordance with AREPA's General Sales and Delivery Terms.

Learn More

For more on AREPA's wind turbine capabilities, or to learn more about our overall services, visit arepa.com. For 24/7 service, please call your local/regional response team found on the website.

1. American Wind Energy Association, 2018. *Wind Energy in the United States*. Accessed 4 October 2018.
2. International Energy Agency market analysis. *Renewables 2018*. Accessed 19 March 2019.

At AREPA, we consider ourselves to be problem solvers. We are focused on cooperating closely with our partners and our clients, finding fast and flexible solutions, developing new methods and technologies, creating more effective measures for damage control and restoration, and doing it all as cost-effectively as possible. Our goal, as a global leader in technical damage reconditioning, is to provide you with an extensive and complete recovery experience, no matter where or when you need us.

The AREPA logo is displayed in a bold, orange, sans-serif font. It is centered within a solid blue square that is positioned in the lower-left quadrant of the overall image. The background of the entire page is a photograph of a wind farm at sunset, with rolling green hills in the foreground and several wind turbines against a golden sky. The left side of the image is partially obscured by a semi-transparent grey overlay where the text is located.

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