

PowerCurve

We shape power performance

REDUCE NOISE WITHOUT COMPROMISING PERFORMANCE

A typical mitigation for noise issues is to run the turbine in a low noise mode which means curtailing the turbine's energy production. Our solution enables turbine operation free from curtailment but still at a reduced noise level without compromising performance.



Key benefits of our noise reduction solutions

- Meet evolving noise regulations
- Achieve 5 dB noise reduction
- Reduce turbine noise curtailment
- Restore annual energy production

MAINTAIN ANNUAL ENERGY PRODUCTION

Wind turbine size and noise emissions grow while wind parks and civilization move closer.

Regulatory requirements for noise levels can force turbines into curtailment mode. With PowerCurve's solution for noise reduction we help you stay compliant with noise regulations without compromising annual energy production.



Achieve 5 dB
noise reduction



Maintain annual
energy production



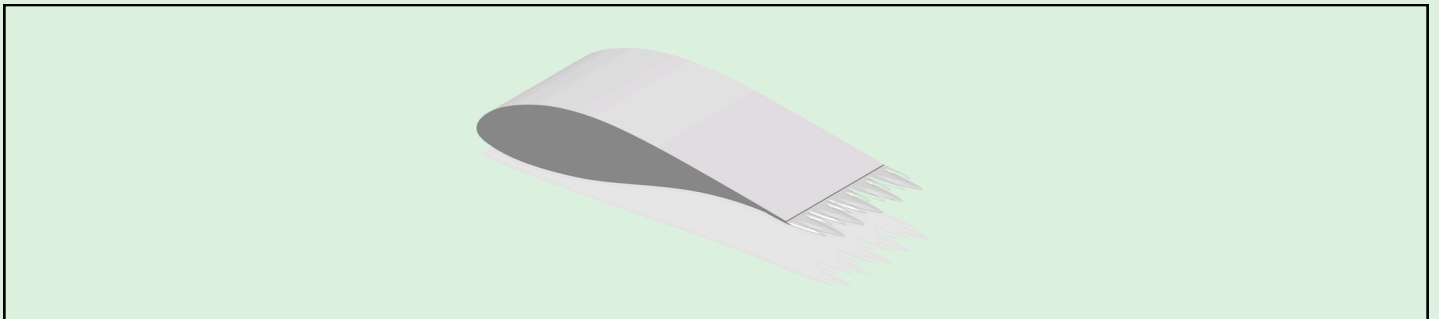
Multibrand solutions
for any OEM platform

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Achieve 5 dB noise reduction

Our new noise reductions solution is developed with an optimized and revolutionary shape. It is applied to the trailing edge of the blade and works by breaking up the turbulent airflow that normally forms behind the blade. Instead of creating one large area of noisy turbulence, serrations spread the airflow into smaller, less loud swirls – which reduces the sound that's produced. This helps lower overall noise levels without curtailing the turbine.



Easy implementation

Our noise reduction solution is designed for fast and easy installation. It can be fitted directly onto the blade without having it on ground, which means there's no need for cranes or major downtime. The upgrade can be done during scheduled maintenance or alongside other blade improvements like LEP or vortex generators. This makes it a low-disruption solution that saves time, reduces costs, and keeps your turbines running.



Key install features:

- Easy and quick installation
- Combine with other blade add-ons
- No blade removal required