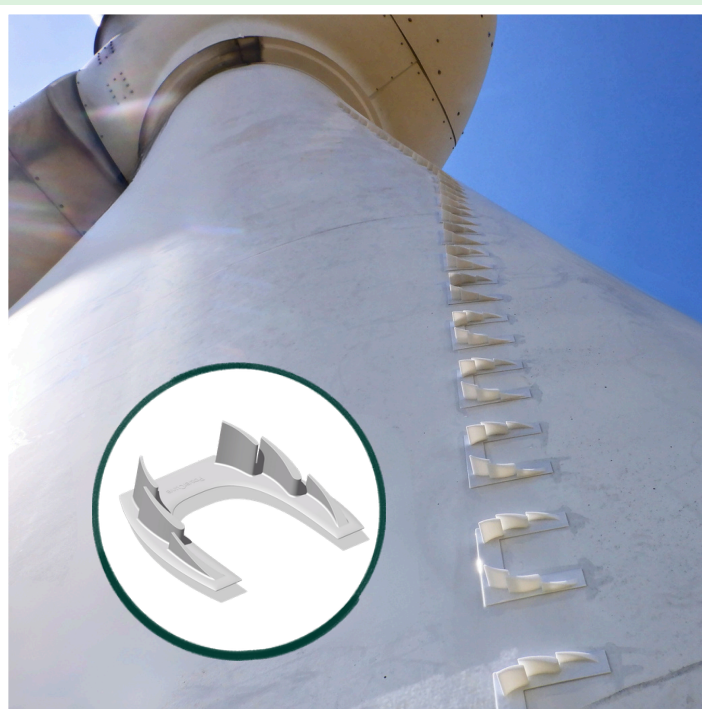


PowerCurve

We shape power performance

RESTORE LOST PERFORMANCE AND INCREASE AEP

Maximize your profits with PowerCurve's range of bespoke upgrade solutions. Through our data-driven and rigorous engineering approach, we ensure that all blades perform to their best.



Key benefits of our upgrade solutions

- Recover performance loss
- Increase AEP
- Short payback period
- Load neutral solution
- Field proven technology

WHY SETTLE FOR LESS?

PowerCurve develops, manufactures and supplies blade upgrade solutions. We do that based on our deep aerodynamic knowledge and experience for many years within wind. PowerCurve solutions are carefully designed for every turbine model and customized for particular projects e.g. climate, blade surface conditions etc.



2000 installations
worldwide



Extra added energy for
+28K households annually



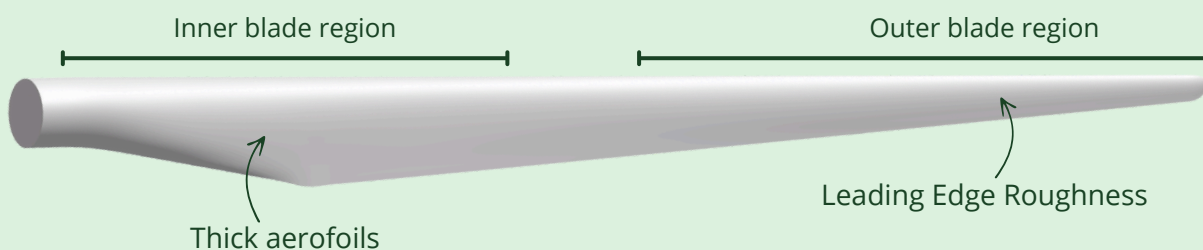
Multibrand solutions
for any OEM platform

PowerCurve

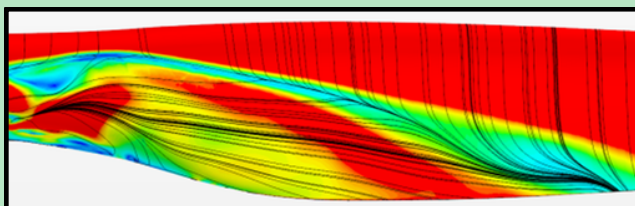
We shape power performance

Blade performance challenges

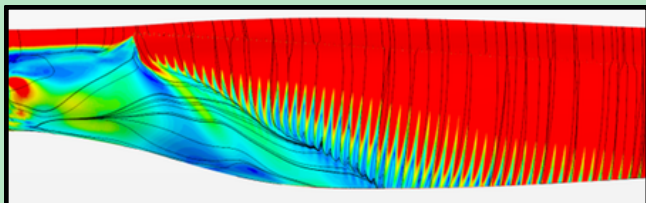
We address two distinct aerodynamic issues on both old and new blades to optimize performance. In the root region, design compromises made during the original blade development can be addressed through our upgrade solutions and add AEP. In the tip region, operating blades are subject to wear and tear that over time results in significant AEP losses.



Before: Unstructured airflow



After: Improved airflow structure



Optimize aerodynamics and increase AEP

Leading edge erosion and surface wear reduce aerodynamic performance and cause AEP losses over time. Our solutions re-energize the boundary layer and reattach airflow, restoring stability. In the root region, structural constraints create aerodynamic inefficiencies that can be improved, increasing lift and overall turbine performance.

Impact on the Power Curve

Our aerodynamic upgrades improve lift generation below the turbines rated power by stabilizing airflow and delaying flow separation. This increases aerodynamic efficiency and shifts the power curve to the left, enabling turbines to reach higher output earlier and capture more energy in the sub-rated region.

