



AEPlus

## Your technological route to success

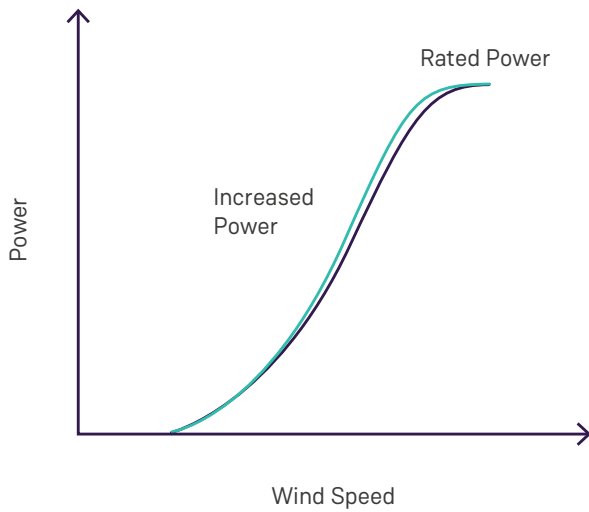
AEPlus is a cost-efficient and profitable solution for the owner of an aging wind farm with G52 and G58 wind turbines. It helps improve the annual energy production, due to overall software controller tuning assisted by new aeroelastic models for the wind turbine. The optimized performance occurs at the partial range, below rated power.

By implementing AEPlus, you can increase the AEP by up to 2% for G52 turbines and between 2-6% for G58 turbines.

AEPlus is compatible with other control strategy products such as:

- **Life Extension**, allowing 10 more years of additional revenue
- **Safe Mode**, increasing the AEP during high wind speed conditions

**Fig. 1: Energy production increase with AEPlus**



The objective of the AEPlus product is to **enhance the power production** at the partial range below the rated power for the installed G52 and G58 wind turbines.

AEP increased by up to 6%\*

\*Production increase is site-dependent

#### Key benefits of AEPlus

- Energy production increases by up to 2% on G52 and between 2–6% on G58 (the AEP increase is site-dependent)
- AEPlus is compatible with lifetime extension programs and does not add additional loads to the turbine (all calculated and based on loads envelope)
- OEM-designed and OEM-validated
- Measurable increase in energy production can be demonstrated by site-specific measurement campaign
- Improved revenue from day one



- **Applicability:** G52 and G58
- AEPlus is not compatible with Energy Thrust