

# EnergyUp Full Power Curve Advanced Gamesa technology



AEP



Improved performance



Operating reliability



Trusted partner



Safety

## Challenge

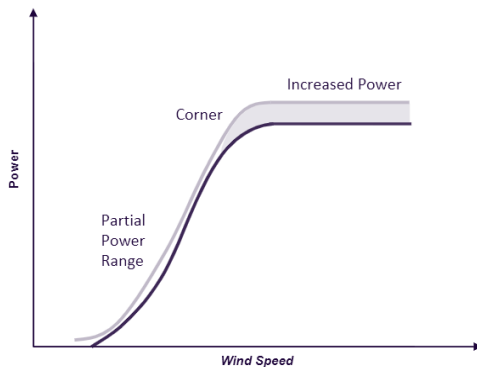
Increase energy production and power output while maintaining safety and turbine longevity.

## Solution

EnergyUp Full Power Curve, Advanced is a software and parameter upgrade for the turbine control system, offering the potential for up to a 6%\* increase in AEP by optimizing pitch characteristics through the application of new aeroelastic models.

## Benefit

- No upfront costs.
- Energy production increases by up to 6%, benefits from day one.
- Measurable increase in energy production, demonstrated in a report provided every quarter.
- Transparency on the inputs of the AEP gain calculation as they come from SCADA data.
- Improved performance in low-wind conditions.



\* Compared with a standard power curve and depending on wind and site conditions (G58-850 kW power curve at average wind speed of 7.5 m/sec and wind distribution of  $k=2$ ).

## Applicability

G58-850 kW with PLC Phoenix and TEAM.

### Installation time

Approx. 2 h/WTG.

### Fleet experience

2,800 WTG ~ 4,750 GW previous experience with EnergyUp Full Power Curve, Basic.

### Est. lead time

Approximately 1 month. In some cases, an upgrade to the SCADA or PLC hardware may be required. Lead time is subject to parts availability.

Information is subject to change without prior notice.