

# EnergyUp Full Power Curve Advanced Senvion technology



AEP



Improved performance



Operating reliability



Trusted partner



Safety

## Challenge

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

## Solution

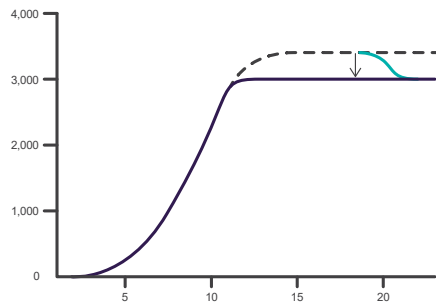
This advanced solution delivers a significant increase in Annual Energy Production (AEP) for the MM82, MM92, and MM100 onshore wind turbines by optimizing torque and rotor speed. This upgrade enhances power output to:

- 2.2 MW for the MM82 and MM92 (50 Hz market).
- 2.15 MW for the MM100 (50 Hz turbines).
- 2.125 MW for the MM82 and MM92 (60 Hz market).

These performance improvements are achieved by refining turbine control logic through a software update, enabling the full potential of the turbine while ensuring safety. Depending on the turbine model and wind farm conditions, the software increases both torque and rotor speed, resulting in an AEP boost of up to 5%.

## Benefits

- Increased profitability.
- Zero risk on your investment.
- No additional hardware needed.
- Smart solution evaluated by a certification body.



**Note:** Only the MM82, MM92 and MM100 turbines equipped with a Bachmann Controller are within the scope of this product.

## Applicability

MM82, MM92, MM100.

## Compatible products

Compatible with all MM platform products (EnergyUp Partial Range, EnergyUp Full Power Curve Basic, etc.).

### Fleet experience

Already installed in Senvion MM wind turbines.

### Installation time

Fast remote software installation and parameter settings.

### Payback

Depending on factors such as the turbine type and site-specific wind conditions, the actual AEP gain could be up to 5%.

### Est. lead time

Approx. 2.5 months to perform the technical assessment evaluating the site's suitability.

Information is subject to change without prior notice.