

ACT100

More Power.
Same Wind Farm.

A practical drop-in upgrade for Senvion MM92 2 MW onshore turbines:
three 49.2 m ACT100 blades plus an integrated DEIF controller

More energy. Longer asset life. Same infrastructure.



UP TO +10%

POTENTIAL ENERGY UPLIFT

49.2 m

ACT100 BLADE LENGTH

DIRECT FIT

NO TURBINE STRUCTURAL MODIFICATION

+8% to >15%

INDICATIVE ROI RANGE*

UP TO +20 YRS

POTENTIAL ASSET-LIFE EXTENSION

COMPLETE UPGRADE

3 blades + DEIF controller

USE EXISTING PERMISSIONS

subject to local requirements

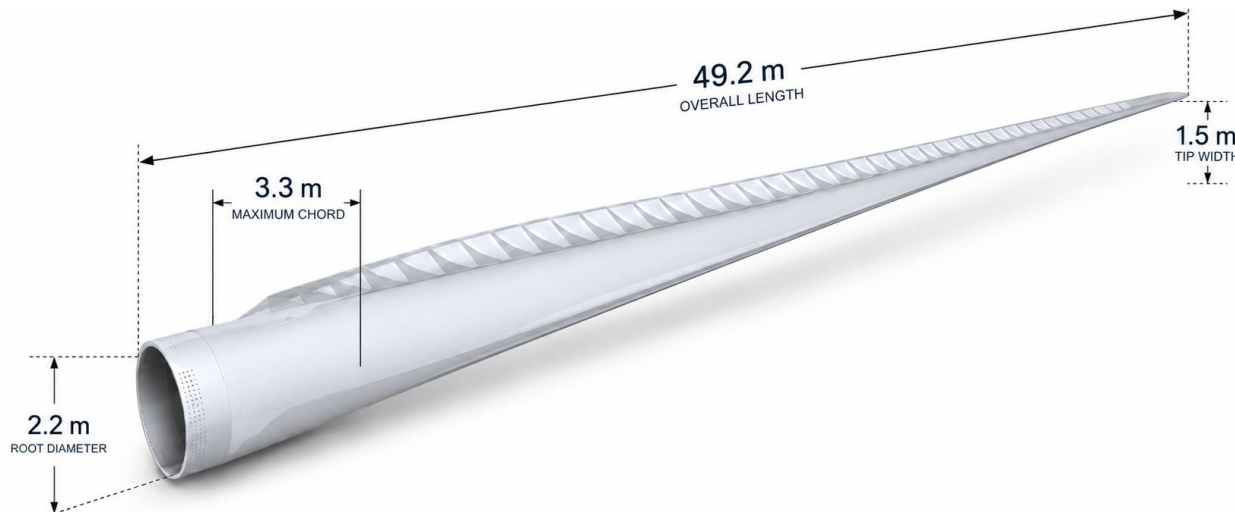
LOWER CapEx

THAN FULL REPOWERING

*Site-specific results depend on wind conditions, operating profile, project scope and life-extension period.

Unlock more value from existing MM92 wind turbines

A retrofit solution combining energy uplift, turbine compatibility and a traceable validation pathway.



Parameter	MM92	ACT100	Benefit
Blade length	45 m	49.2 m	9% longer
Blade mass	8,1 Ton	7,8 Ton	No additional loads
Wind cut-in /cut-out	Same	Same	Same operating range
Expected AEP uplift	—	10%	Wind-class dependent

CUSTOMER BENEFITS

- Increase energy production from existing wind turbines
- Support asset-life extension and defer replacement CapEx
- MM92 compatible, no turbine structural modification required
- Conceived as turbine maintenance use existing site permits, subject to local approval requirements
- IEC 61400 certification, including lightning protection

Our 5-steps approach

1 ASSESS

RUL + wind loads

2 INSPECT

Blade, turbine + structure

3 UPGRADE

ACT100 + DEIF / ROI

4 APPROVE

Permits, lease, insurance

5 GENERATE

Energy for longer life

01

Turbine compatibility

The ACT100 is assessed against the validated MM92 load envelope.

MM92 Type Test Conformity Statement by UL Solution

02

Evidence-led validation

Field measurements, calibrated aeroelastic models and full Design Load Case calculations support direct MM92–ACT100 comparison.

MM92 Type Test Conformity Statement by UL Solution

03

Certification pathway

The ACT100 does not introduce additional turbine loads or operating risks.

It is, therefore, ready for site-specific validation.

ACT100 Design Conformity Statement by UL