



Creating business certainty in Wind

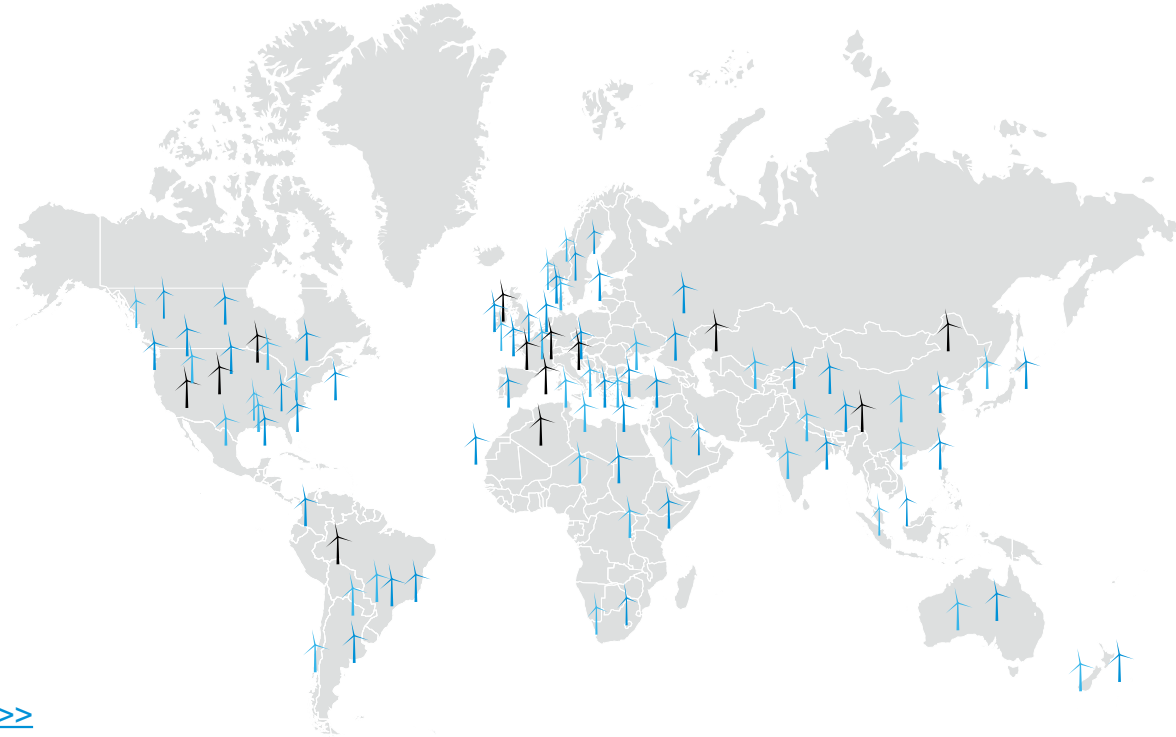
OECD Workshop: Catalysing Investment in Low-Carbon, Climate-Resilient Growth

About Vestas

Vestas at a glance

Today, we have installed over **41,000** turbines in **65** countries across **five continents**.

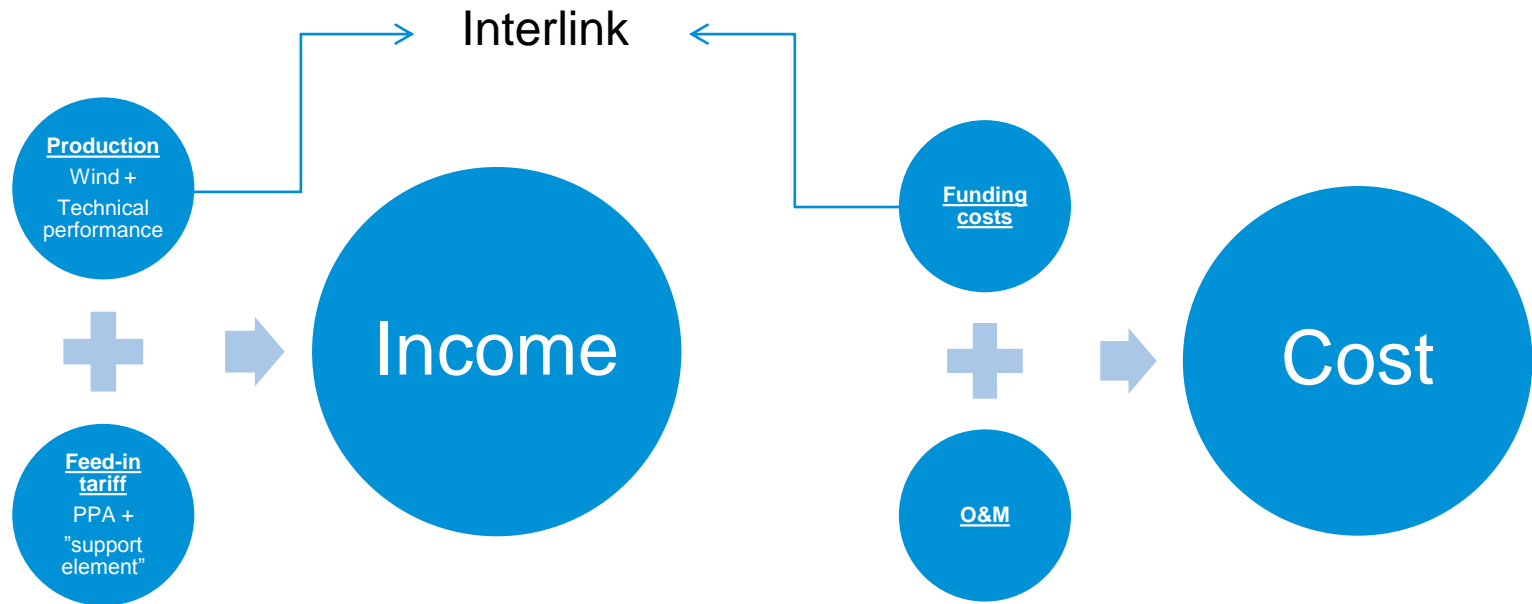
That means installing a turbine every 3 hours saving the world from over **40 million** tons of CO₂ every year.



[Vestas' track record >>](#)

Vestas core focus: **Cost of Energy** and **Business Certainty**

Working actively with technical risks



- Vestas is currently monitoring some **+16,000** wind turbines globally 24/7
- Vestas has the most **data** in the WTG industry
- Performance data is a **key asset** for our design and service engineers

Vestas measures itself on and commits itself to...

Time based
Availability

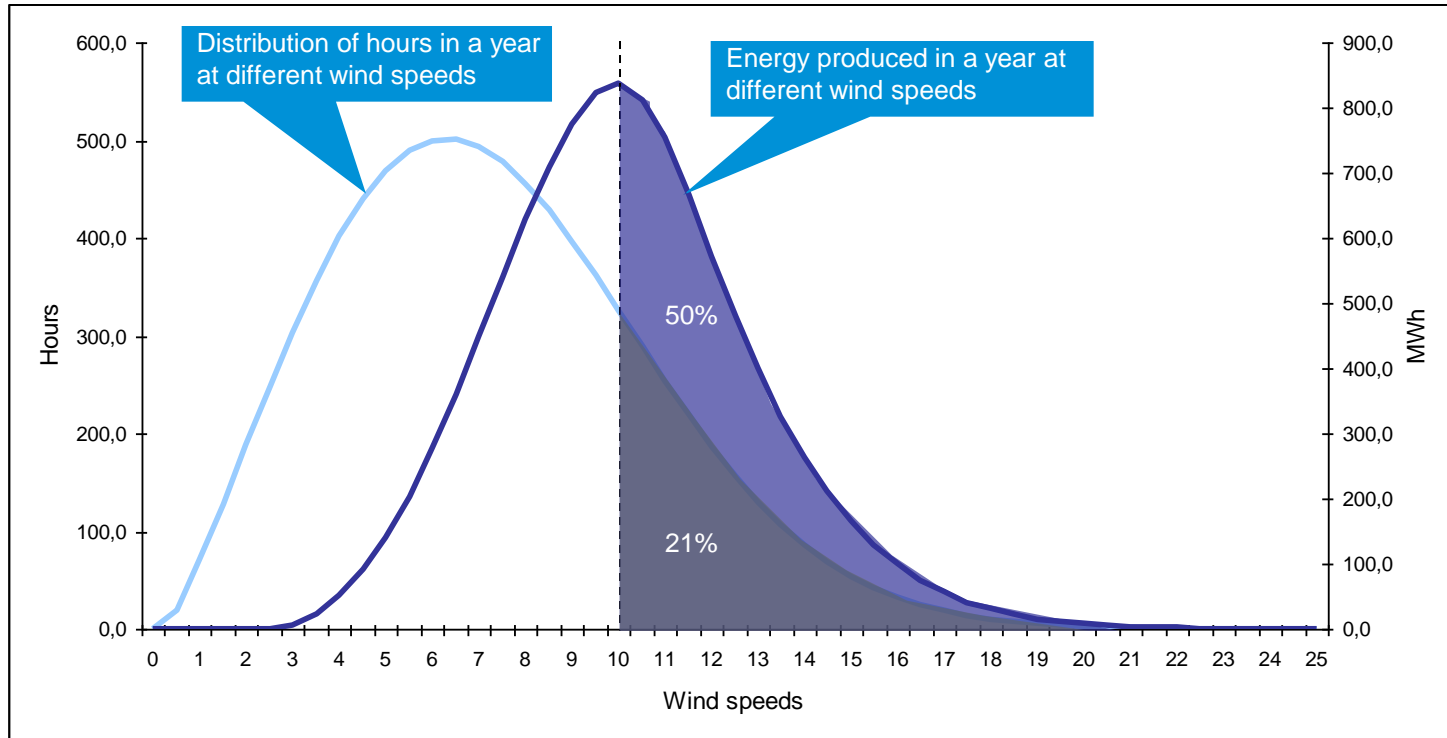
= total available time / calendar time

Energy based
Availability

= 1 - (energy lost / total possible production)

- Maximizing **turbine performance**
- Ensuring **uptime** when most profitable
- Focus on **energy output** of the asset through optimized maintenance
- Translates into **controlling your risk**

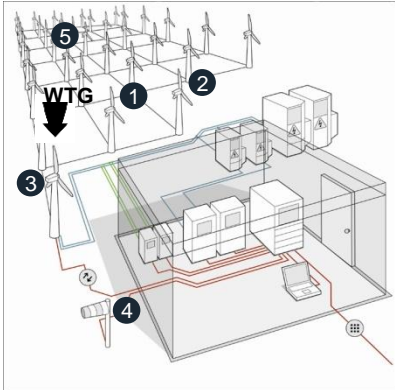
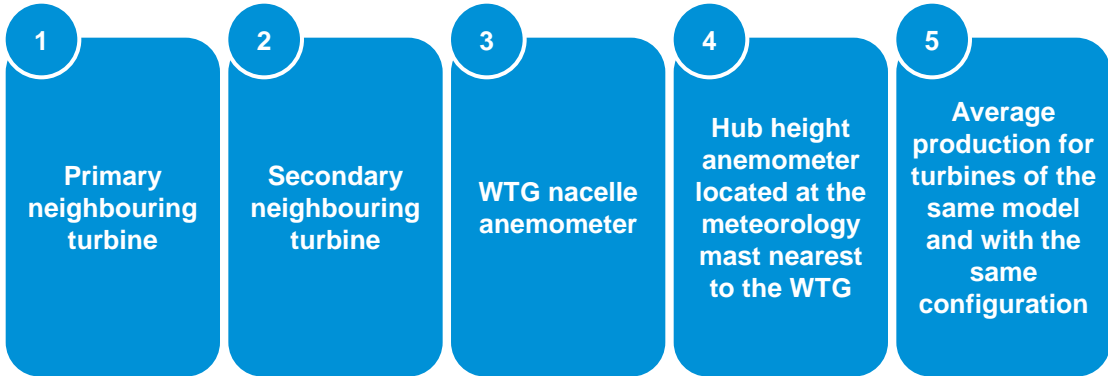
Energy based availability incentivizes Vestas to ensure availability when the wind is there



In a typical wind farm 50% of Annual Energy Production is obtained in 21% of available time

AOM 5000 is a performance guarantee centred around measuring energy based availability

Five steps to establishing lost production per WTG in the wind farm



Energy Based Availability

$$\text{Measured Average Availability} = 1 - \frac{\text{Unavailable Production}}{\text{Available Production} + \text{Unavailable Production}}$$

The Vestas logo is positioned in the top left corner of the slide. It features the word "Vestas" in a bold, italicized, white sans-serif font, followed by a registered trademark symbol (®). The background of the top half of the slide is a vibrant blue sky with wispy white clouds, and a semi-transparent white curved shape is visible on the left side.

Wind. It means the world to us.™

Thank you for your attention

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