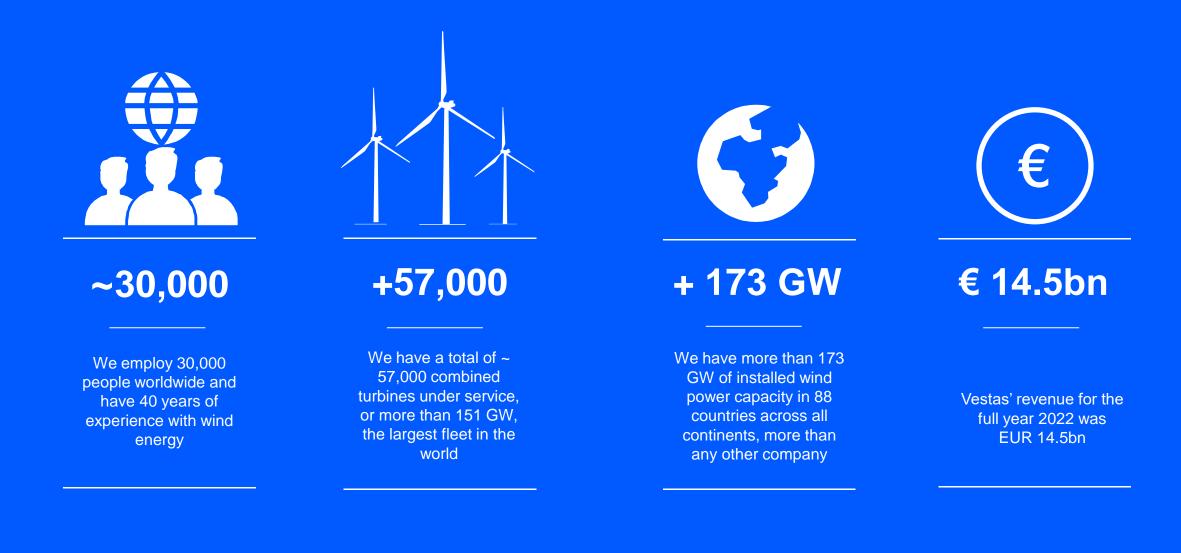
Vestas

99% of Carbon Footprint from Supply Chain

On a journey to reduce scope 3 emissions

Lisa Ekstrand - Vice President & Head of Sustainability, Vestas

Vestas, the undisputed global leader in wind energy





CO₂e avoided through our fleet of wind turbines



million tonnes CO₂e avoided from 1981 - 2022

The turbines produced & shipped in 2022 are expected to avoid 408 million tonnes of CO_2e over their lifetime, equivalent to:





passenger vehicles driven for one year

79_{million}

homes' electricity use for one year



km² forest's carbon sequestering in one year



January 2020: Vestas launches a Sustainability strategy 'Sustainability in Everything We Do'

Integrating sustainability into the full value chain





From 'Sustainability is the business we are in'

to

Classification: Confidential

To 'Sustainability in everything we do'



Vestas sustainability strategy

Sustainability in everything we do



Carbon neutrality

Carbon neutral company by 2030 – without using carbon offsets

Reduce CO₂e emissions in the supply chain by 45% per MWh generated by 2030



Zero-waste Producing zero-waste wind turbines by 2040



Social responsibility

Safest, most inclusive and socially-responsible company in the energy industry



Leading the transition Towards a world powered by renewable energy

CO₂e reduction initiatives

Scope 3 emissions



Reducing CO₂e emissions in the supply chain by 45% per MWh generated, by 2030

Scope 3 emissions

Supply chain emissions from raw materials and products sourced and upstream and downstream transportation, among others.

CO₂e reduction in the supply chain:



Initiatives:



Sustainability partnerships to reduce the carbon intensity of our materials and transportation

Sustainability expectations for suppliers and sustainability criteria in supplier scorecards

Alternative materials such as near zero-emissions steel or wooden towers

> **Designing more efficient turbines**, delivering more electricity per kg of CO₂e

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Sustainability software to create customized turbine LCA's and monitor and improve supply chain sustainability

Projects under development to further reduce the CO2 impact of our turbines

Blade Recycling

Currently, downcycling of legacy blades (primarily in the US and EU).

Industrialisation of a fully circular recycling process underway.

Sustainable service fleet

All new service vehicles to be electric or renewably powered by 2025.

Pilots of renewablypowered crew transfer vessels

CO₂ Reduced Steel

Scrap-based EAF steel

Near-zero emissions steel from green hydrogen under development

Wooden Towers

By early 2024, first 150meter wooden towers.











Supplier expectations





Producing zero-waste wind turbines by 2040

September 2021 (4) 100% electricity consumption from renewable energy sources latest by 2030 January 2022 (1) Setting scope 1 and 2 emission reduction targets by November 2021 (f) 2030 without using offsets Calculating and reporting CO₂e emissions for products delivered to Vestas October 2022 Set targets for own operations' waste reduction by 2030, without pushing to December 2021 Tier 1 suppliers Start measuring and reporting on production of waste October 2024 March 2022 50% reduction in waste Calculate and set targets from products delivered for Tier 1 suppliers' to Vestas by 2030 waste reduction



Improving accuracy of scope 3 data and performance with new data platform





Capabilities of our sustainability data platform currently being implemented



Still a lot to do: areas requiring additional focus



2. Full supply chain transparency, especially:



Environmental impacts from mining



Human rights impacts from mining



Risk of forced labour from component suppliers

Project specific impacts

1. Construction – reducing waste and emissions, and building community support during construction or repowering



2. Biodiversity – mitigating impacts to nature through careful siting and technology improvements



3. Transport – renewably-powered transport throughout the turbine lifecycle, including manufacturing, construction, and service phases



Vestas

Vestas.

Wind. It means the world to us.™

VESTAS ESG RATINGS

