



Blue Sky Platform

Partnering Europe's
Energy Transition

SUZLON

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Designed for varied wind regimes using technology proven across thousands of turbines, Suzlon's modular Blue Sky platform of large wind turbines is your ideal partner for the energy transition. With greater reliability, higher yields, and lower LCoE, this platform is available in two turbine variants: the S175 to unlock low-to-moderate wind sites and the S163 for moderate-to-high wind speeds.

Proven technology

The Blue Sky platform is an evolution founded on insights from over three decades of engineering excellence, which has powered thousands of turbines in operation worldwide. This platform leverages proven technology across our global fleet of over 22,000+ MW, specifically for wind turbine blades, mechanical drive trains, and electrical drive trains. Key features of the platform include glass blades with carbon girders – from the second generation of the Suzlon blade family, designed for high machine availability, durability, and long-term reliability.

Consistent performance

For a high capacity factor, Blue Sky's S163 has a rotor diameter suited to moderate-to-high wind speeds, generating a 6.3 MW rated capacity. The S175 has a larger rotor sweep area and optimised rotor diameters to generate maximum output and boost Annual Energy Production (AEP) in low-to-moderate wind sites. Advanced control features ensure higher yields, while a focus on digital serviceability reduces operational expenses and lowers the Levelised Cost of Energy (LCoE).

Good neighbour

To navigate strict permitting and regulatory constraints across regions, the Blue Sky

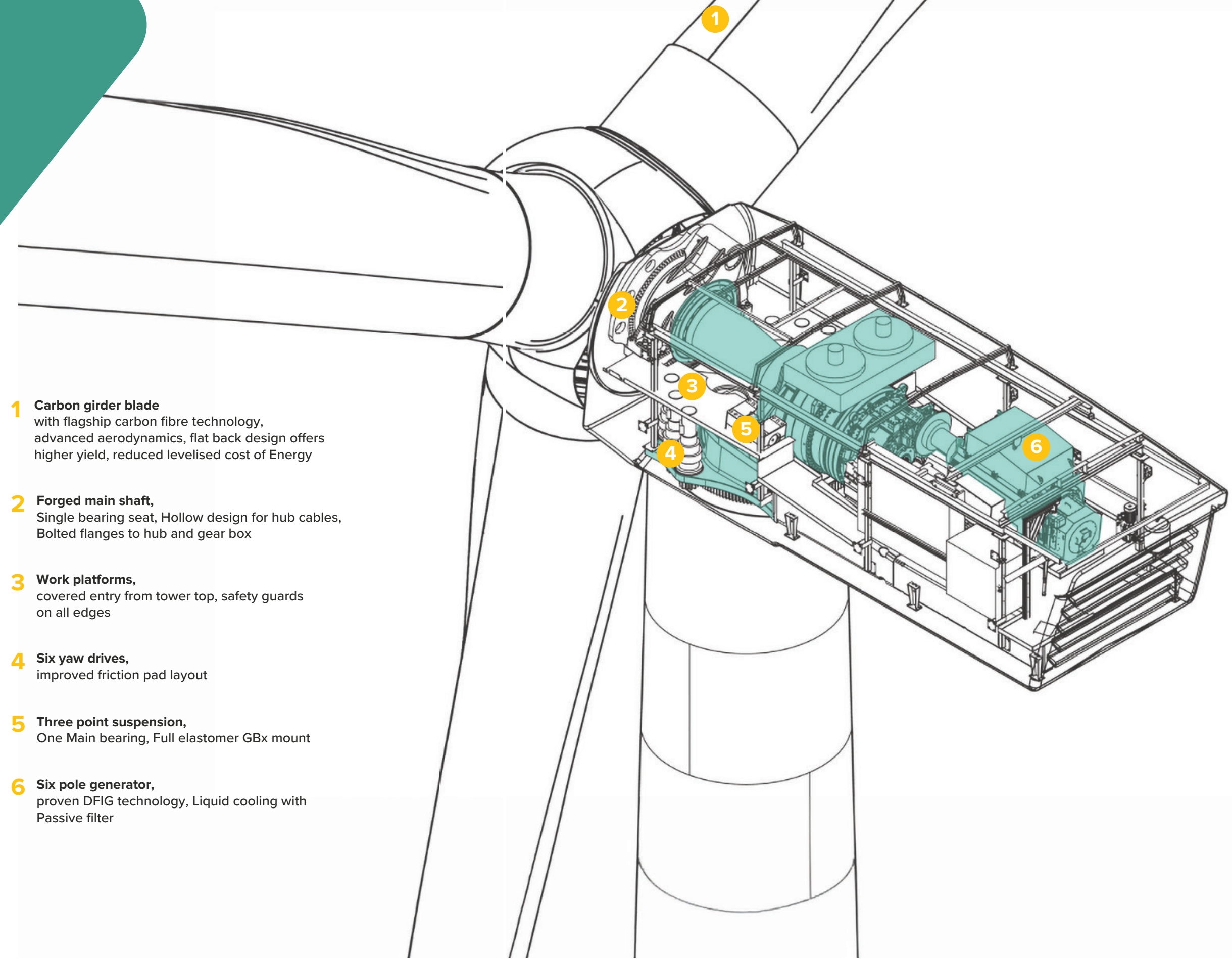
Platform prioritises low-impact operation. It incorporates an advanced noise-reduction mechanism and transport-friendly components, including blades, towers, and nacelles, to lower transport risk and environmental impact. This deployability-focused design makes it an ideal choice for permitting-sensitive sites.

Site-specific prowess

The Blue Sky platform features specialised wind-class S turbines, allowing for precise site adaptation to meet local turbulence and varied wind and climate conditions. Flexible tower height enables better command over the landscape by capturing optimal site-specific wind shear. Additionally, the platform ensures seamless integration into a range of grid networks through robust grid code compliance and advanced power quality controls.

Customisable for diverse markets

Our modular concept discards the "one-size-fits-all" approach and supports multiple platform variants to cater to different wind regimes and market-specific needs. The Blue Sky platform, along with our other products, combines German and Dutch design precision with 30 years of manufacturing and operational prowess to maximise the value of both new and existing wind sites.



- 1 Carbon girder blade**
with flagship carbon fibre technology,
advanced aerodynamics, flat back design offers
higher yield, reduced levelised cost of Energy
- 2 Forged main shaft,**
Single bearing seat, Hollow design for hub cables,
Bolted flanges to hub and gear box
- 3 Work platforms,**
covered entry from tower top, safety guards
on all edges
- 4 Six yaw drives,**
improved friction pad layout
- 5 Three point suspension,**
One Main bearing, Full elastomer GBx mount
- 6 Six pole generator,**
proven DFIG technology, Liquid cooling with
Passive filter

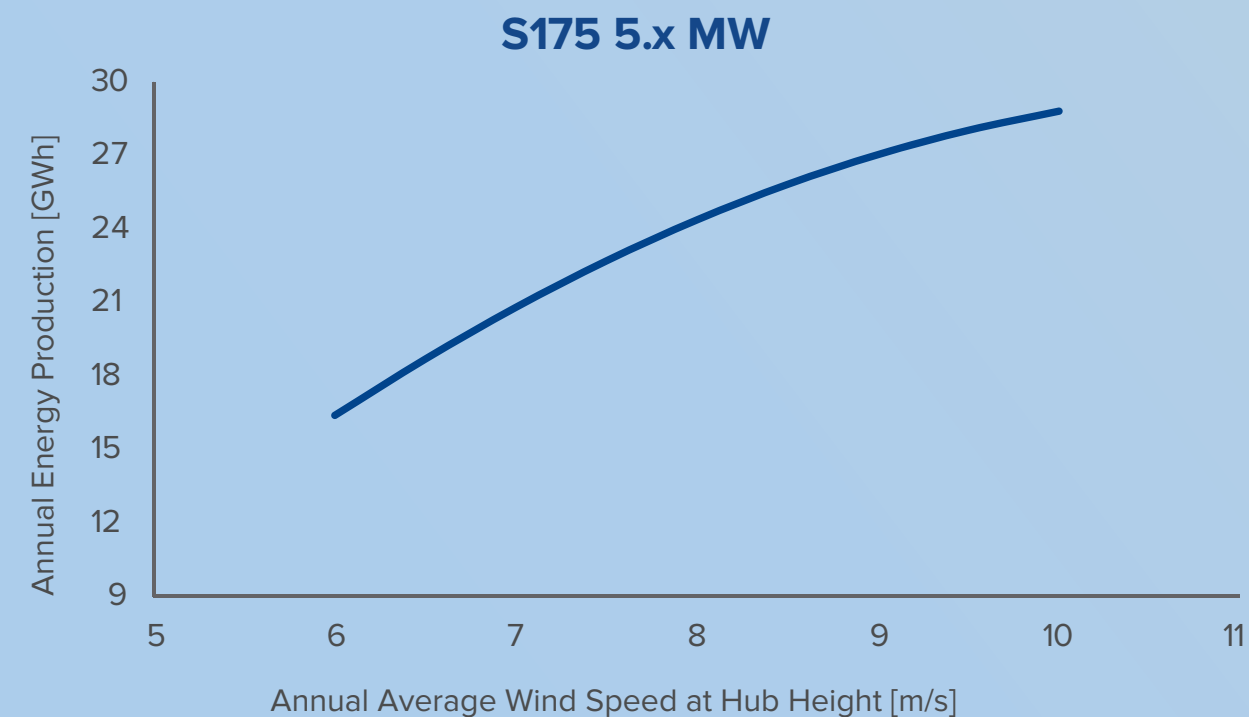
The Blue Sky fleet delivers 50-55% higher generation over the S144 - 3.x MW and 2x higher generation over the S120 - 2.x MW.

The modular Blue Sky platform is available in 5.x MW (S175) and 6.x MW (S163) turbine variants.

The S175 - 5.x MW Advantages

Built to unlock low-wind sites, the S175 combines a large rotor diameter with customisable hub heights up to 160 metres to deliver a robust performance across markets. With our largest rotor diameter, this WTG is well-suited for low-to-moderate wind regimes, making it ideal for optimising a region's onshore wind potential.

Power Curve



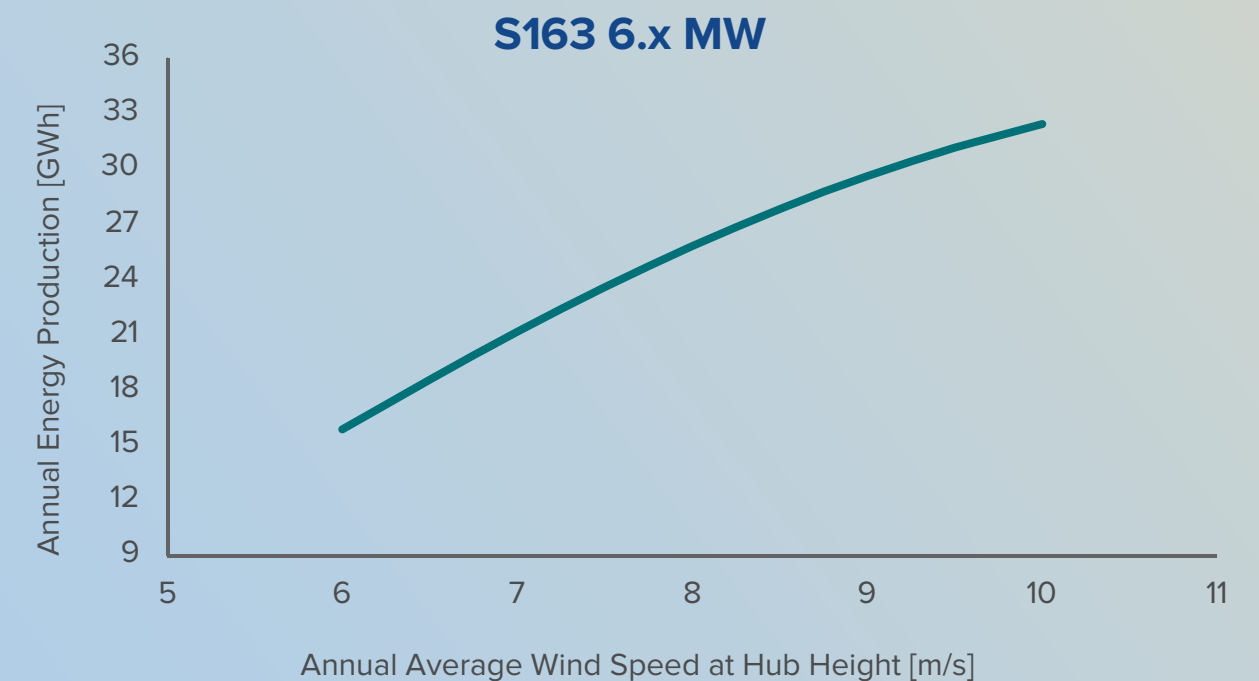
k=2.0 & AD=1.225 kg/m³

Power curve according to wind class IEC S and air density 1.225 kg/m³
The released power curve has been created according to IEC 61400-12 guidelines.
The actual power curve on specific sites varies due to site-specific conditions.

The S163 – 6.3 MW Advantages

Designed to harness moderate to high wind speeds, the S163 features an optimised rotor diameter to deliver high power generation while ensuring a lower Levelised Cost of Energy (LCoE). The hub heights are customisable for project-specific requirements.

Power Curve



k=2.0 & AD=1.225 kg/m³

Power curve according to wind class IEC S and air density 1.225 kg/m³
The released power curve has been created according to IEC 61400-12 guidelines.
The actual power curve on specific sites varies due to site-specific conditions.

Technical Specifications S175 - 5.x MW



OPERATING DATA:

Wind class - IEC S
Rated power - 5.0 MW
Cut-in wind speed - 3.0m/s
Cut-out wind speed - 21.0m/s



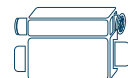
TOWER:

Hub heights - Up to 160m
Type - Modular Hybrid
Lattice Tower /
Tubular Steel Tower



ROTOR:

Rotor diameter - 175m
Swept area - 24,053m²



GENERATOR:

Frequency - 50Hz
Proven DFIG technology
Water – Liquid cooling with
passive filter



BLADE:

Make - Suzlon SB86
(Carbon girder, flatback
and T-Bolt-connection)

Technical Specifications S163 - 6.x MW



OPERATING DATA:

Wind class - IEC S
Rated power - 6.3 MW
Cut-in wind speed - 3.0m/s
Cut-out wind speed - 22.0m/s



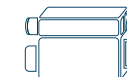
TOWER:

Hub heights - Customisable
Type - Modular Hybrid
Lattice Tower /
Tubular Steel Tower



ROTOR:

Rotor diameter - 163m
Swept area - 20,867m²



GENERATOR:

Frequency - 50Hz
Proven DFIG technology
Water – Liquid cooling with
passive filter



BLADE:

Make - Suzlon SB80
(Glass with Carbon girder, 80m)

The Suzlon Group

At Suzlon Group, we believe energy enables human progress, and the new world of energy will be powered by Good Energies That Work. With revenues of USD 1.75+ billion for FY26 and market capitalisation of USD 7.5+ billion as of 1 June 2026, we're constantly advancing the good energies that make the new world work by building clean, dependable, intelligent, integrated, and affordable energy ecosystems for a rapidly electrifying world. With 22,000+ MW of wind energy capacity installed across 17 countries and a diverse portfolio of renewable energy businesses, Suzlon is now a wind-first, full-stack renewable energy solutions conglomerate, with businesses spanning RE Technology (Wind + Solar + Storage), RE Development Company, RE Projects, and RE Asset Management Services. For over three decades, Suzlon has partnered with leading PSUs, IPPs, and C&I businesses as a lifetime renewable energy partner. Our next-gen product portfolio includes 2.x MW, 3.x MW, 5.x MW, 6.x MW wind turbine systems alongside integrated renewable energy solutions that are built for the new world of energy. Headquartered at Suzlon One Earth in Pune, India, Suzlon Group comprises RE Tech: Wind | Storage | Solar, RE DevCo, RE Projects, and RE AMS, and its subsidiaries.

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