



S133

2.6 to 3 MW
Platform

SUZLON
POWERING A GREENER TOMORROW

THE SUZLON GROUP

The Suzlon Group is one of the world's leading renewable energy solutions providers, with a presence in 17 countries. Headquartered at Suzlon One Earth in Pune, India. A vertically integrated organization with over twenty-seven years of operational track record, the Group has a cumulative global installation of over 19.3 GW* of wind energy capacity, more than 5,400 workers of diverse nationalities, and world-class manufacturing facilities.

Suzlon is the only Indian wind energy Company with a large in-house Research and Development (R&D) set-up in Germany, the Netherlands, Denmark, and India. The

Group is the custodian of over 13.4 GW of wind energy assets under service in India, making it the 3rd largest Operations and Maintenance

Company (over 9100 turbines) in the

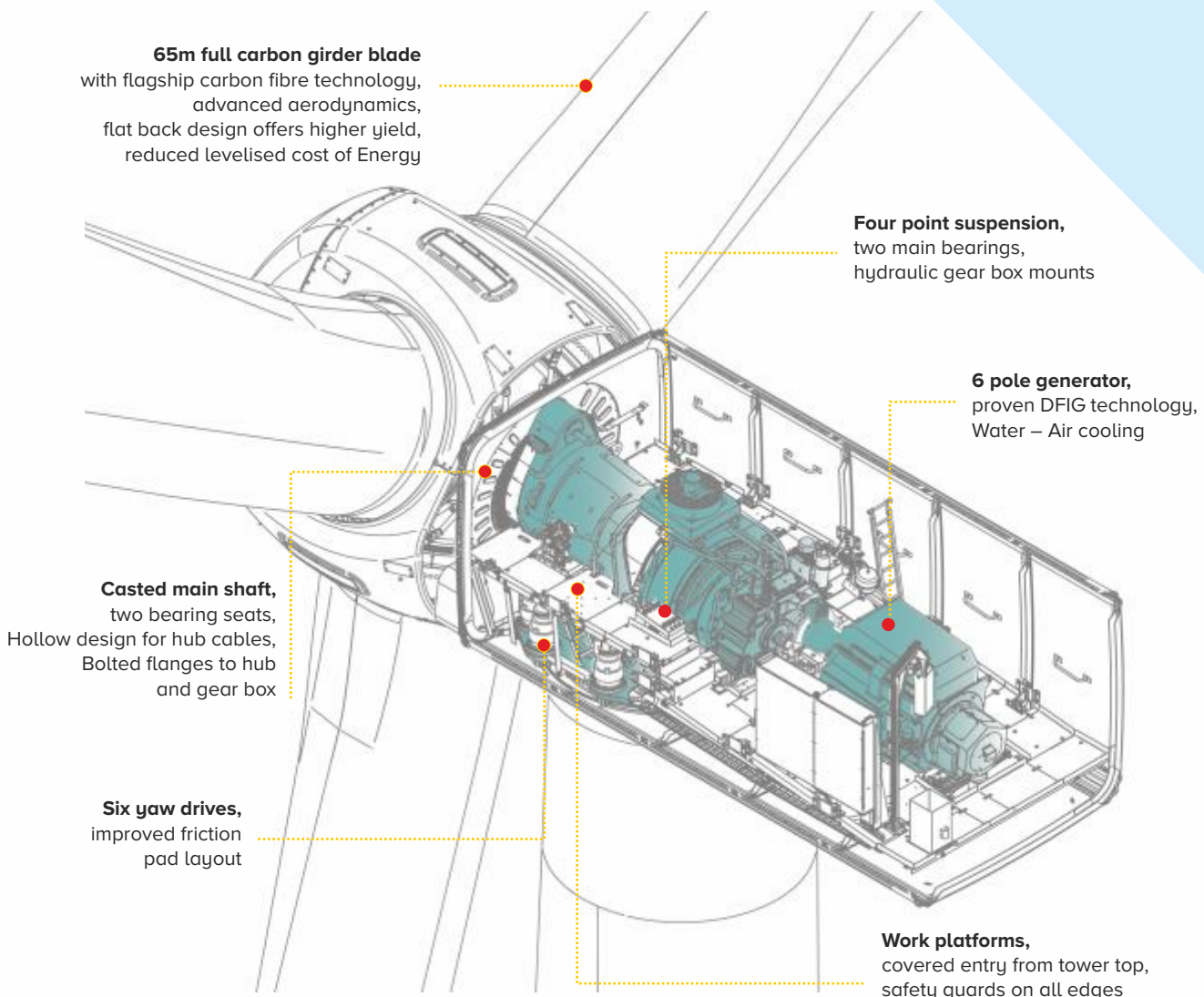
Indian power sector. The Group has

~1.0 GW of wind energy assets

under service outside India.

KEY DESIGN FEATURES

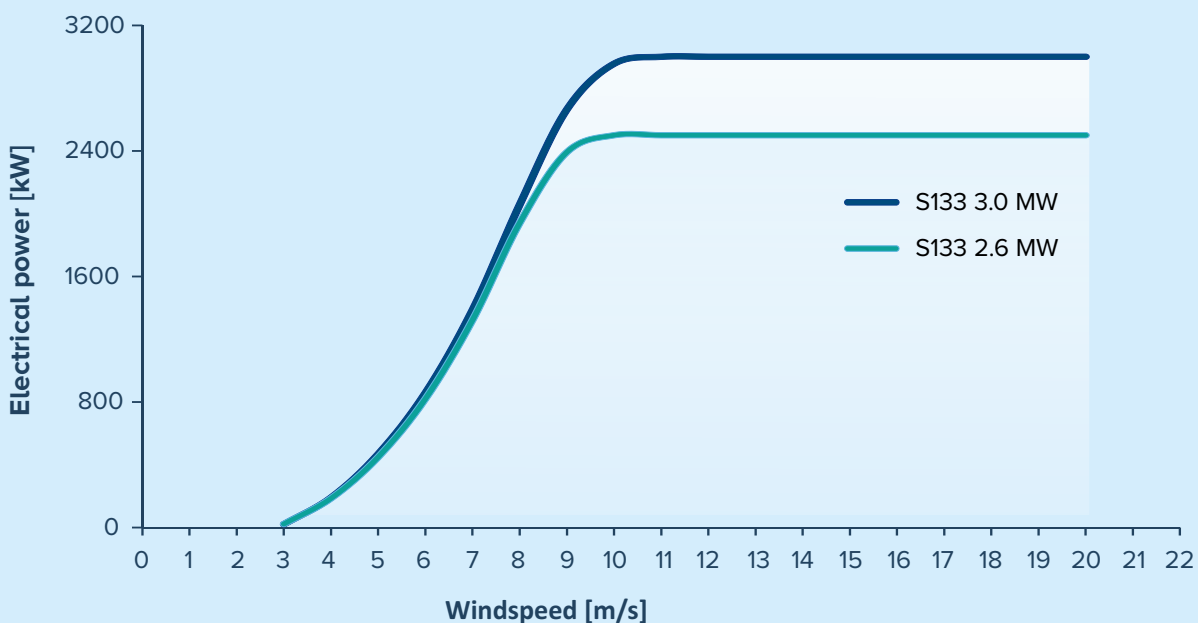
*Data till 31st March 2022



THE S133 ADVANTAGE

Suzlon introduced the 3.0 MW platform to unlock unviable sites and to deliver improved energy yield suitable for all wind regimes. The S133 is one of the largest wind turbine generator (WTG) in India. This platform is extendable up to 3.0 MW depending on the site wind conditions. The prototype of S133-105m was set up in August 2019. These products are available in 2.6 MW to 3.0 MW variants and offers hub heights up to 160 meters. It delivers 25-30% higher generation over the S120. The same has been confirmed in successful measurement and validation campaigns over the last years.

POWER CURVE



TECHNICAL SPECIFICATIONS



OPERATING DATA:
 Wind class - IEC S
 Rated power - 2.6 MW to 3.00 MW
 Cut-in wind speed - 3.0m/s
 Rated wind speed - 9.5 - 10m/s
 Cut-out wind speed - 20m/s



ROTOR:
 Rotor diameter - 133m
 Swept area - 13,070m²



GENERATOR:
 Frequency - 50Hz
 Proven DFIG technology
 Water – Air cooling



TOWER:
 Hub heights - Up to 160m
 Type - Modular Hybrid
 Lattice Tower



BLADE:
 Make - Suzlon SB65
 (Carbon girder, Flatback
 and metal root inserts)

* The power curve has been created according to IEC 61400-12 guidelines. The actual power curve on specific sites varies due to site-specific conditions.

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