

SUZLON
POWERING A GREENER TOMORROW

S128

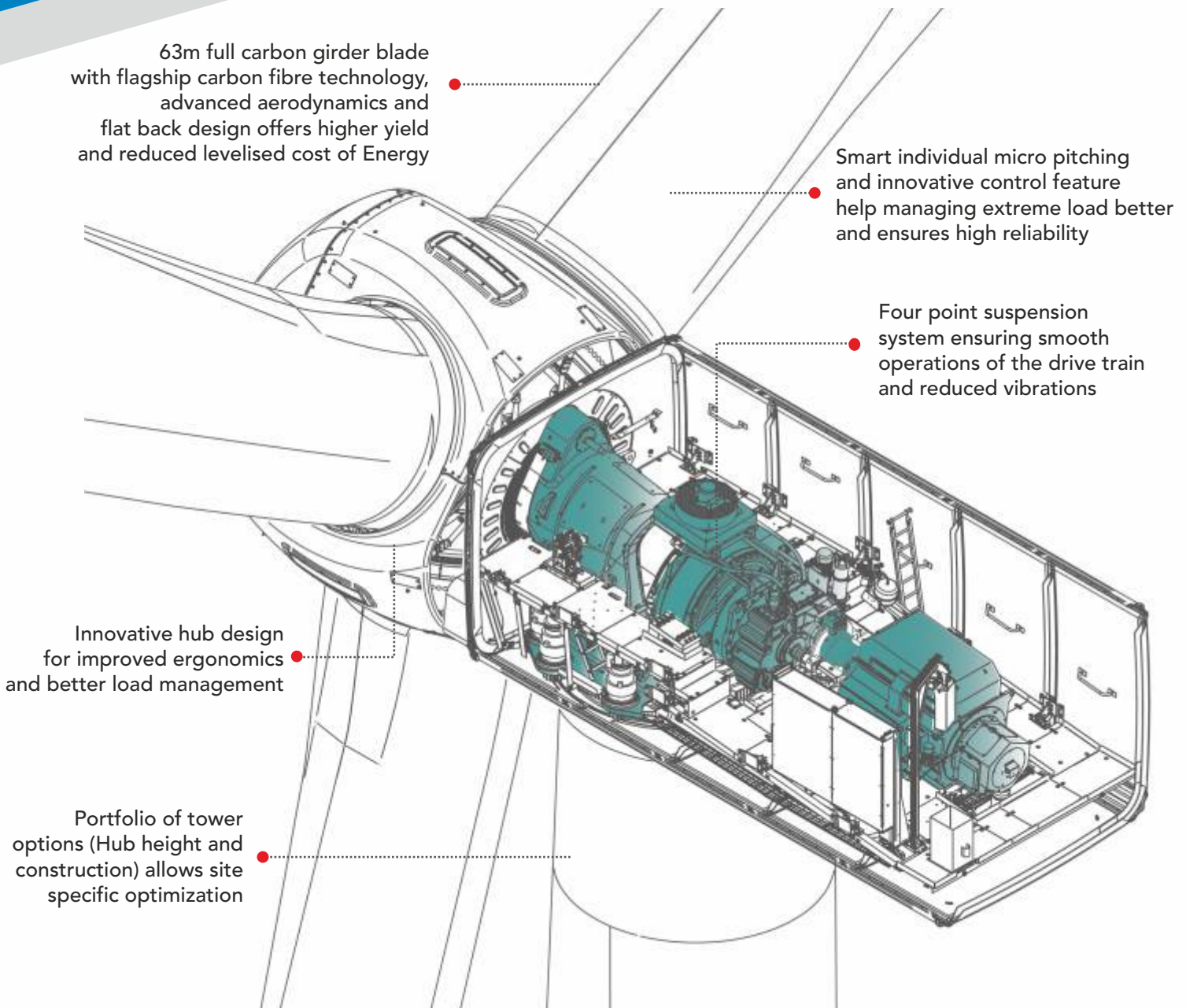


THE SUZLON GROUP

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.

*Data till 31st March 2022

KEY DESIGN FEATURES



S128

SHIFTING THE PARADIGM

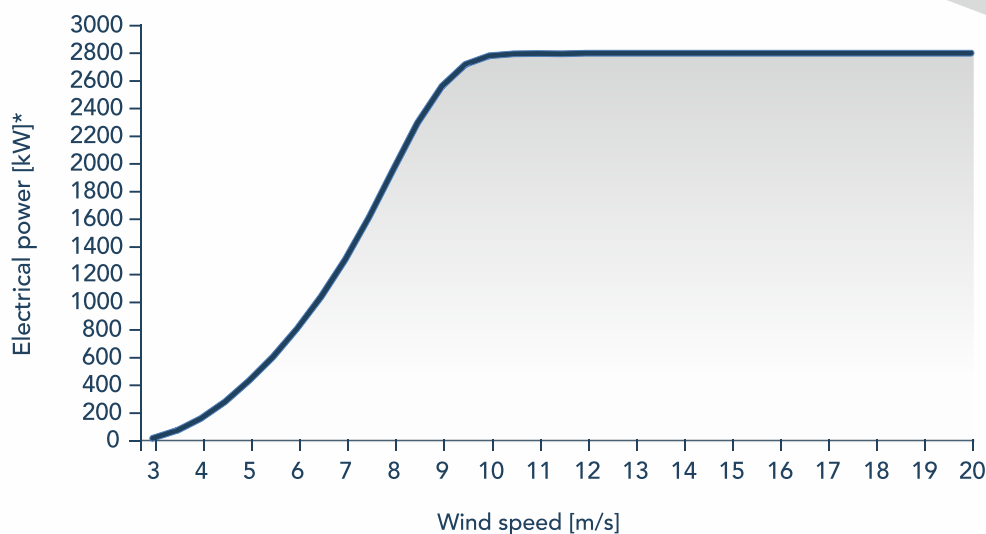
Suzlon's research and development experts across the globe has once again shifted the paradigm with S128 Wind Turbine Generator.

S128 meets the requirement of strictest grid regulations and is designed for moderate to low wind sites across the world.

63m long flagship carbon fibre technology blade allows lower weight and advanced aerodynamics along with flat back design offers higher yield.

Various Tower options for height and constructions allows site specific optimization, helping customers with best in class Levelised cost of energy.

POWER CURVE

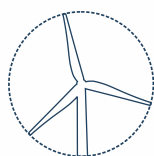


TECHNICAL SPECIFICATIONS



OPERATING DATA:

Wind class - IEC S
Rated power - 2.7 MW
Cut-in wind speed - 3.0m/s
Rated wind speed - 9.5m/s
Cut-out wind speed - 30.0m/s (3-second average)
20.0m/s (10-minute average)



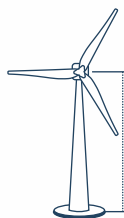
ROTOR:

Rotor diameter - 129m
Swept area - 13,070m²



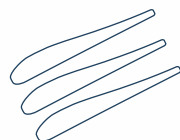
GENERATOR:

Frequency - 50Hz / 60Hz
Type - Slip ring asynchronous generator



TOWER:

Hub heights - Up to 140m
Type - Steel Tubular | Hybrid Lattice | Hybrid Concrete



BLADE:

Make - Suzlon SB63

*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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