

Classic Fleet: Foundation of our wind energy technology evolution

Over the last three decades, we have developed wind turbine platforms ranging from 600 kW to 6.3 MW for different wind regimes and operating conditions.

Today, while the S111, S97, S88, S82, S66, and S52 are no longer part of our active manufacturing portfolio, they continue to operate across installed fleets globally, supported by our long-term operations and maintenance commitment.

Built for their time. Still generating forward.

Across markets, wind regimes, and operating environments, these wind turbines helped expand renewable energy generation over the decades.



S111

Built to harness maximum power from available wind conditions, the S111 expanded Suzlon's 2.1 MW platform range with a 111-metre rotor diameter and multiple hub height options across 90m, 120m, and 140m configurations.

The platform also offered multiple construction options, including Steel Tubular, Hybrid Lattice, and Hybrid Concrete towers to support optimised generation across different wind regimes.



S97

An award-winning 2.1 MW platform designed to make low wind speed sites profitable for renewable energy generation. The S97 combined increased height, operational stability, simpler logistics, and ease of construction through its innovative tower configuration.

It was available in two variants:

S97-90m - All steel tubular tower that reaches a height of 90m

S97-120m - All steel tower that combines the lattice and tubular structure with a unique transition piece that reaches a height of 120m.

Its S97-120m configuration received the Golden Peacock Award for eco-innovation in 2016, while helping to unlock wind deployment opportunities across sites previously considered unviable. More than 1,359 turbines were installed, with a cumulative capacity exceeding 2,853 MW over three years of its successful installations.



S88

Developed for medium wind speed regimes, the S88 was built to withstand extreme operating conditions while maintaining effective performance with lower maintenance requirements. Introduced into the Suzlon fleet in 2004, the platform went on to become one of Suzlon's most successful turbine ranges.

Over 11 years of operations, 2,738 turbines were installed with a combined generation capacity of 5,748 MW, supporting renewable energy generation across multiple operating environments.



S82

Designed to deliver optimal power output across modest wind speed regimes, the S82 combined an asynchronous generator with high slip and an advanced pitch system to support efficient energy yield over a wide wind range while maintaining comparatively low loads.

Until its phase-out in 2015, 2,022 turbines were installed with a combined generation capacity of 3,033 MW, helping expand renewable energy deployment across varied site conditions.



S66

Built for dependable renewable energy generation, even at sites with modest wind conditions, the S66 features a dual-speed, dual-rating asynchronous generator designed to support optimal energy yield across varying wind ranges while maintaining comparatively low operational loads.

Between 2002 and 2016, 2,940 turbines across the S62, S64, S66, and S70 range were installed with a cumulative generation capacity of 3,675 MW.



S52

One of our earlier 600 kW turbine platforms, the S52 supported renewable energy deployment during the early years of wind energy expansion. Developed along similar operating principles as the S66 platform, the S52 helped extend wind energy generation across sites with lower generation requirements.

Between 2006 and 2014, 762 turbines were installed with a total installed capacity of 457 MW.