



Avantis Energy

Avantis bring fresh wind to the power industry. Modern technology in combination with exciting innovative concepts paints a new landscape for wind turbines. The Group comprises companies from the US, Brazil, Europe, China and Hong Kong. Having kept a low profile in the development stage of the turbines, Avantis can now deliver highly effective modern turbines to the world markets. What many market players have been waiting for is now finally available.

Our family of turbines features gearless direct drive machines with permanent magnet generators, leading to higher energy efficiency and much lower losses, or a higher technical reliability and availability, while stocks for spares can be kept at a minimum. Even with gearboxes in stock, more traditional turbines still need to wait for a crane to change the failing components, which can be costly and time consuming. Without gearboxes and with other features that go easy on components, life is now different for investors and consumers. We cool our devices with secure water circuits instead of letting outside air into our machines. A concert of perfectly adjusted components safeguards stress-free operation.

The AV928, our first turbine to enter the markets, is a 2.5 MW turbine for wind class IIa. Its blades are certified for storm loads of wind class I, which makes the turbines much more suitable for areas with typhoons, hurricanes and other adverse weather conditions, especially on the sea shores of this world. The AV 928 is presently being built in our factories in China, for wind farms alongside the South China coasts, and awaits its first performances in the Americas, Europe and other areas of the world.

Its sister model, the AV1010, which has a higher tower and larger rotor blades, is a 2.3 MW machine for wind class III. It produces significantly more power than the AV928 under partial loads and lower wind speeds. The present range is completed with a 3.5 MW machine for wind class I and mainly offshore use. Avantis thus offers a complete range of products for all wind power applications. Avantis will round up the scope both with even larger turbines for use on the high seas, in the years to come.

Avantis is your reliable partner for all wind power solutions.