

Brief introduction of Adwen

Adwen would look forward to contributing to competitive offshore wind development in the promising Japanese market. Adwen believes it could add value to customer projects, the firm's professionals leveraging more than 20 year experience in the wind industry, more than 10 year offshore-wind specific engineering experience and its track record. Adwen is currently servicing 126 offshore wind turbines in the German North Sea at Alpha Ventus, Trianel Borkum West II and Global Tech I offshore wind farms (630MW in total) taking care of planned and unplanned activities and their related logistics. Currently, Adwen is manufacturing WTG's components for the Wikinger project (350MW in the Baltic Sea) from our facilities in Bremerhaven (Germany). We have identified and consolidated supply chain in Germany, other North Europe Countries and Spain for those projects. Supply chain in Spain comes from our relationship with our parent Company (Gamesa) and its experience supplying components from Spain to Asia (also Japan).

Adwen has a comprehensive offer of products and services that are key to lower the LCoE. The 5 MW platform powers three offshore wind farms in Germany and is being installed in a fourth one, which will bring the total installed capacity of this platform to close to 1 GW. One of our products within the 5MW platform (AD5-132) has been designed and certified as Special Class, covering the most demanding offshore sites worldwide. This wind turbine is tailored for subtropical Monsoon climates typical of Asian offshore markets and it is designed to resist typhoons as well as harsh environmental conditions such as high temperatures and humidity. AD 5-132 is certified and ready to face the most demanding worldwide grid codes. Adwen and Gamesa (Adwen's parent Companies) have previous experience with the most rigorous and challenging code standards and regulations around the world such as Asia, where Gamesa has an extensive experience with more than 4,290 MW installed.

Based in the proven technology of its 5 MW platform, Adwen has developed the most powerful turbine in the world, the AD 8-180. With nominal capacity of 8 MW and an unmatched rotor diameter of 180 meters, this turbine has the largest annual energy production (AEP) in the industry and as such it is a breakthrough development for the industry on its quest to reduce the cost of offshore wind energy.

Adwen's offer is completed with best-in-class operation and maintenance solutions aimed at avoiding expensive offshore reparation works, increasing availability and maximizing energy production thus leading to improved profitability for project owners. The reliability of the technology coupled with the know-how accumulated operating and servicing offshore wind turbines place Adwen in a leading position to continue developing this nascent industry.

Adwen Offshore S. L.
