



TÜV SÜD at WindEurope in Bilbao

17 March 2022

Safe lifetime extension with TÜV SÜD

Munich / Bilbao. At WindEurope, held from 5 to 7 April 2022 in Bilbao, TÜV SÜD will showcase ways to further optimise the harnessing of wind energy. The service provider's presence at the annual event will focus on safe lifetime extension of wind turbines beyond their design life. (Hall 1, Stand E58)

When a wind energy converter (WEC) approaches the end of its design life, the operating company must decide whether to decommission, repower or continue operating the WEC. TÜV SÜD's lifetime extension services for WECs verify whether safe continued operation of a WEC or wind farm is possible. The services assess the loads and stresses to which a WEC has been exposed in its previous service life. To do this, experts rely on computer simulations that examine both the design of the WEC and the conditions at its installation site. On top of this, the wind-energy experts conduct on-site inspection of the WEC to assess its actual condition. The lifetime extension services and the associated expert opinion by TÜV SÜD provide wind-farm managers with a detailed report about the state of repair of their WECs. Transparently outlining the risks and opportunities involved in continued operation, this report establishes a sound basis for decision-making.



Wind-energy services by TÜV SÜD

With around 25,000 staff in over 50 countries, TÜV SÜD is among the world's leading providers of testing, inspection and certification (TIC) services. Its experts draw on comprehensive and multidisciplinary expertise and experience in the fields of onshore and offshore wind energy. The company's service portfolio includes tests, inspections and assessments of wind turbines and sub-stations as well as their technical sub-systems and components. TÜV SÜD supports planners, manufacturers, installers, investors and operators by providing a full scope of life-cycle services from

project design and development, manufacturing, installation and operation to lifetime extension and dismantling. www.tuvsud.com/wind-power

Note for editorial staff: The press release and the high-resolution photo can be found at www.tuvsud.com/newsroom.

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Founded in 1866 as a steam boiler inspection association, the TÜV SÜD Group has evolved into a global enterprise. More than 25,000 employees work at over 1.000 locations in about 50 countries to continually improve technology, systems and expertise. They contribute significantly to making technical innovations such as Industry 4.0, autonomous driving and renewable energy safe and reliable. www.tuvsud.com