

10th May, 2023

**Daido Metal Co., Ltd.**

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(for inquiry)

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**Daido Metal awarded European wind turbine main bearing supply contract**

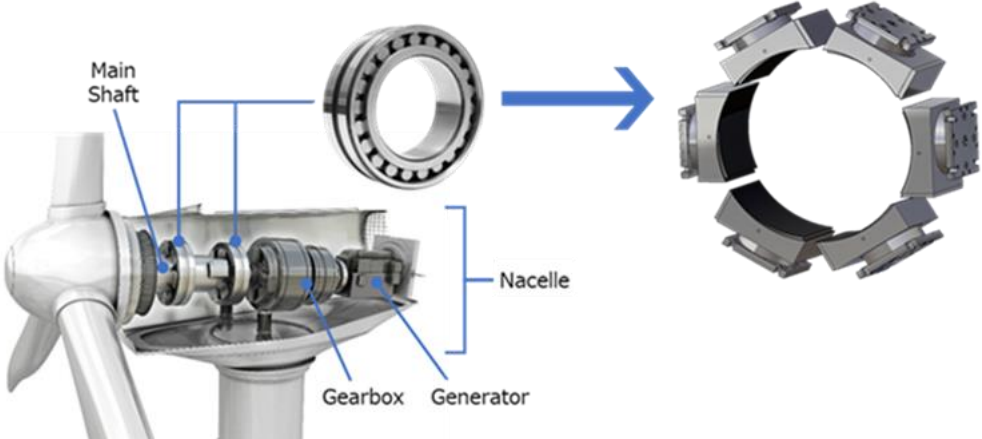
**Daido Metal to establish Yen 6 billion production new wind turbine bearing production in Brno, Czech Republic aimed at supporting the European wind power industry.**

Daido Metal Co., Ltd. (hereafter “Daido Metal”) has been awarded a wind turbine main bearing supply contract for a yet to be announced wind turbine in Europe. Construction groundwork commenced in April 2023 for a new factory approximately 10,000 m<sup>2</sup> supporting the production of main bearings intended to supply a new generation of bearings for wind turbines to European/American customers. The new factory will be built at Daido Metal Czech s.r.o. (hereafter “DMC”), a consolidated subsidiary of Daido Metal, Brno, Czech Republic and have capacity for several hundred turbines and expansion capabilities. Construction groundwork started April 2023 and production will start in 2025.

Current DMC includes Daido Metal European Technical Center for research and testing of bearing materials including wind turbine main bearing and gearbox bearing research. The DMC factory currently supplies hydrodynamic bearings to most major European automakers and automotive parts suppliers as well.

Hydrodynamic bearings are designed so that the main shaft rotates on an oil film between the housing and shaft and are commonly used in internal combustion engines (automobile, truck, ship) and industrial turbines (hydro, gas and steam turbines). Daido Metal is the world’s largest hydrodynamic bearing supplier with 36.7%\*of the world’s internal combustion bearing market share in passenger cars and a world market share of 73.0%\*for large ship engine bearings. Daido Metal hydrodynamic bearings with engineered polymers

have been used in the hydro industry for 25 years and the steam and gas turbine industry for 10 years. Hydrodynamic bearings are the standard technology in dynamic loading rotating machines and greatly improves the NVH (noise, vibration, harshness) and thereby improving life of other turbine systems (product robustness).



In January 2022, Daido Metal was awarded the New Energy and Industrial Technology Development Organization (hereafter “NEDO”) “Green Innovation Fund Project (Project for Lowering the Cost of Offshore Wind Power Generation)” for the development of next-generation wind turbine technology to cope with the growing size of wind turbines, this project aims to reduce the cost of offshore wind power generation, specifically, the NEDO project is targeting and working to reduce power generation costs by reducing bearing replacement and maintenance costs as well as improving facility operation rates by making it easier to maintain and replace the main bearings. The Japanese Government funded project will include a 3-6MW test rig which will be made through collaboration with universities and will be located in Daido Metal Saga Co., Ltd. (Saga prefecture), a consolidated subsidiary of Daido Metal.

[Note]

\*Share is Calendar year 2022, estimated by Daido Metal.

[Related Information]

February 2022 press released.

ADOPTED BY NEDO “GREEN INNOVATION FUND PROJECT”

<https://www.daidometal.com/20220204-2/>

For more information on bearings for wind power generation, click here.

<https://www.daidometal.com/wind-power/>

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