

Aker Arctic to Deliver Centreline Propeller and Shaftline for the new Polarstern

Aker Arctic Technology Inc. has been awarded a contract by TKMS GmbH (TKMS) to design and deliver the centreline propeller and shaftline for the new Polar Research Vessel, commissioned by the Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research(AWI).

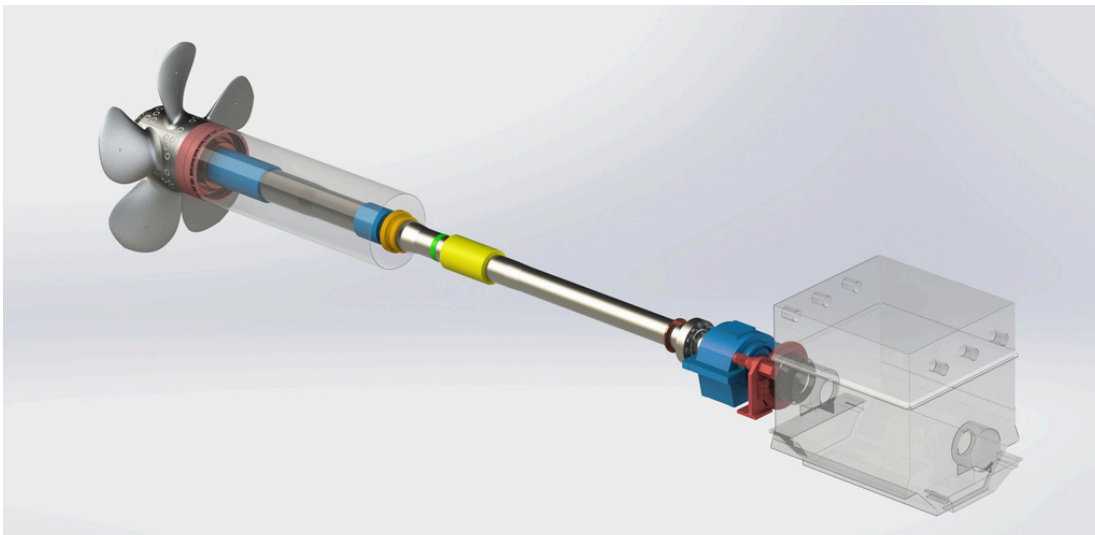
The new Polarstern, a state-of-the-art Polar Class 2 (PC 2) diesel-electric icebreaker, will enable AWI to conduct year-round scientific research in the Arctic and Antarctic.

Aker Arctic's scope includes the delivery of a 10.5 MW centreline shaftline system featuring a five-bladed fixed-pitch stainless steel propeller with a diameter of 5.4 metres.

This delivery reinforces Aker Arctic's position as a global leader in high-performance ice-class propulsion systems. The company's track record includes PC 3-rated propellers for Arctic module carriers, ice-strengthened bronze propellers for 1A-class ASD tugs, and full shaftline systems for the Finnish Navy's new corvettes.

In addition to the Polarstern project, Aker Arctic is also engaged in two other Polar Class 2 (PC 2) propulsion projects for undisclosed customers. One involves the delivery of a PC 2-ice classed propeller, while the other includes both a PC 2-ice classed propeller and shaftline system for advanced Polar icebreakers.

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A 3D representation of the Polarstern's central shaftline propulsion system, highlighting a five-blade propeller and colored shaftline components.

Aker Arctic Technology Inc is an independent company specializing in development, design, engineering, consulting, and testing services for ice-going vessels, icebreakers, offshore marine structures, marine transport solutions and ports. The company has the most references for providing continuous development and advanced, effective icebreaker designs. Innovations such as the double acting ship and oblique icebreaker concepts also originate from Aker Arctic.

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