

# Product Lecture

*Atlantic Bearing Services (Wind Division) May 2020*



## Wind Repowering Projects



### BACKGROUND

ABS Wind Division works with Wind Farm Owners in Repowering Projects. As these owners decide to repower their fleet, ABS offers critical key components that can lower project costs and become an alternative to the OEM.

*ABS supplied new Main Shafts Assembly for GE1.5 MW turbines as part of a Repowering Project in the USA.*

### SUCCESS STORY

*For many years, ABS has been an active player in the Wind Industry. ABS supplies from critical parts to in-shop repairs to become a one-stop-shop for our customers.*

### THE CASE

Our customer was immersed in a Repowering Project with important budget constraints and they needed to stretch their financial capabilities to the maximum. They all-in offer from the OEM was not satisfactory for them so they split the purchasing contract looking for more direct sources on the most important and more costly components. ABS is one of those sources.

### TECHNICAL CHALLENGE

The biggest challenge in this project was the tight delivery with keeping competitive pricing. ABS mobilized all its engineering resources and supply chain to cope with the demanding delivery dates. Since our product was just one piece out of a puzzle, the timing of our deliveries was key.



*Main Shafts packed and ready to be shipped*

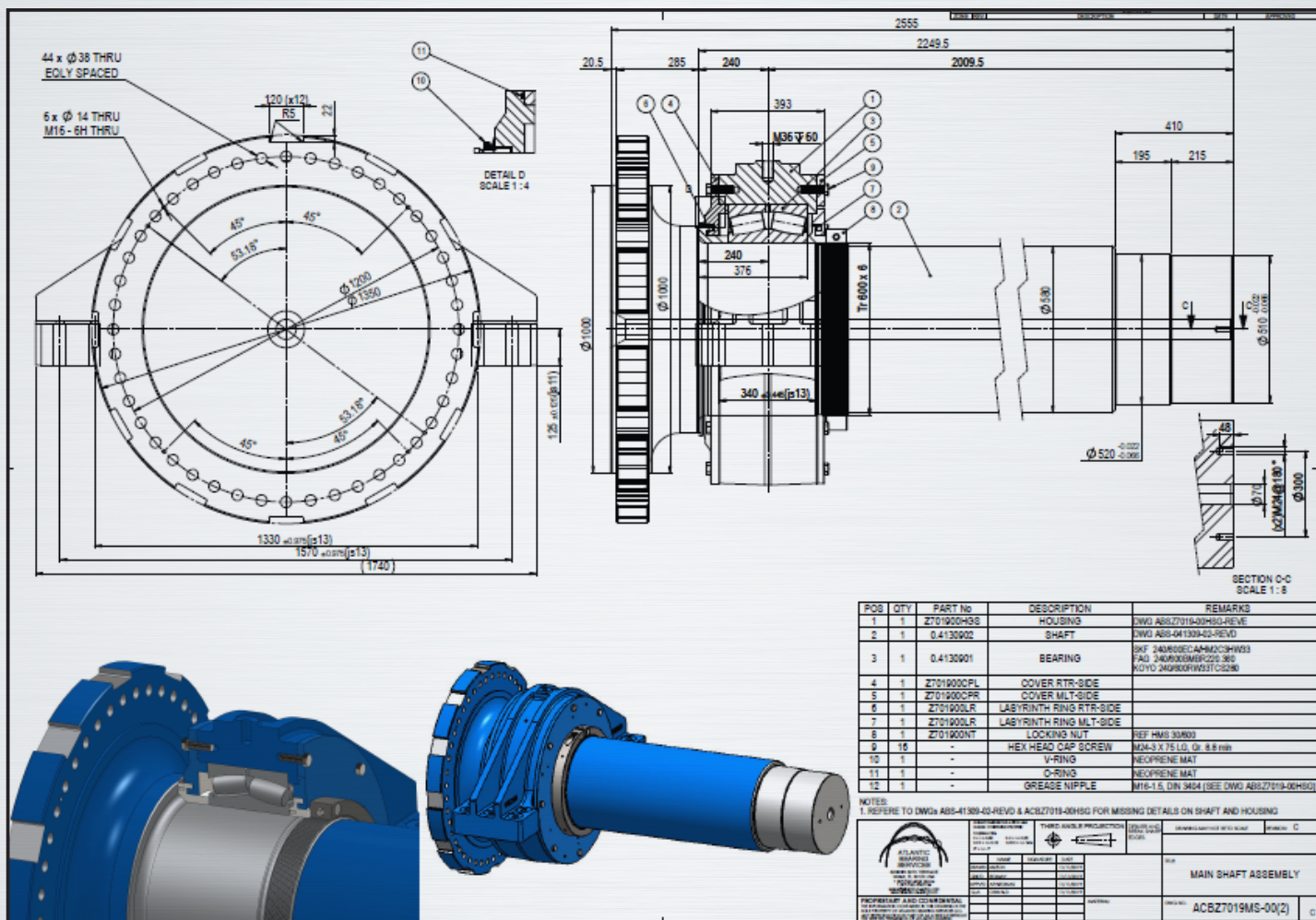


# TECHNICAL PROPOSAL

ABS proposed to provide Universal Main Shaft for GE-1.5 turbine (SLE, XLE, SE) with designed upgrades and a more flexible schedule and deliveries that matched our customer's expectation.

## SCOPE OF WORK

ABS has 4 logistics centers in 4 continents and therefore can rely on a Worldwide logistic system to move goods promptly. Also ABS makes sure that the appropriate Packing is used for shipping. Our customers are receiving the goods in each Wind Farm directly which was decided beforehand and makes the logistics much more effective for the customer.



## FINAL RESULTS

ABS can be counted as a reliable source for main components in a Repowering Contract. Many times OEMs do not provide all the solutions to the customers either in delivery or pricing.

## OTHER PRODUCTS

ABS can also supply products such as Blade Bearings, Yaw and Pitch Reducers, High Speed flexible Coupling and Torque Limiters

*GE 15 MW shaft being removed and replaced.*

