

Joint Press Release

October 14, 2024

AVAT and KBB are going to cooperate in the digitalisation of turbochargers.

Tübingen/Bannewitz. The aim of the recently agreed cooperation between the two German technology companies AVAT and Kompressorenbau Bannewitz GmbH (KBB) is to make turbocharger technology for large combustion engines even more powerful and efficient through digitalization. Turbochargers are a key factor for the performance and efficiency of internal combustion engines used in ships and stationary power plants for energy generation.

The new hardware and software will be able to collect and analyze a wide range of operating data and metrics from the turbocharger. This will provide valuable information about the current operating point and possible damage patterns. By analyzing the data, it is possible to identify optimization potential in operation at an early stage and to proactively identify maintenance requirements.

Long-term data collected by the innovative digital solution enables even more accurate detection of changes in turbocharger performance and operation through time-based comparisons. As the amount of data increases, the ability to detect damage will become more sophisticated, allowing new data-based maintenance intervals to be developed over time. This predictive maintenance makes it possible to avoid costly equipment failures.

The cooperation between AVAT and KBB combines decades of experience in turbocharger technology with leading expertise in the automation and digitalization of power plants.



Caption

They will jointly develop a digital solution for turbocharger to increase operational efficiency and prevent costly failures (from left): Dr. Silvio Risse (KBB), Thomas Hutter (AVAT), Dr. Roman Drozdowski (KBB) and Frank Ganssloser (AVAT).

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About AVAT

For more than 30 years, AVAT has been developing advanced automation solutions for the global energy sector. These high-tech solutions are used wherever power generation and distribution need to be controlled and optimized. AVAT is also represented in Asia by its subsidiary in South Korea.

About KBB

Kompressorenbau Bannewitz GmbH (KBB) is a leading supplier of turbochargers for large combustion engines and has over 70 years of experience in the development and production of this technology. KBB's solutions are used in ships, locomotives and stationary power plants worldwide.

We request a sample copy. Thank you.

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