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Press release

Looking at climate-friendly mobility: Minister-President Kretschmann in dialogue with Allianz Wasserstoffmotor

At the invitation of Allianz Wasserstoffmotor, Winfried Kretschmann, Minister-President of Baden-Wuerttemberg, visited the Bosch site in Stuttgart-Feuerbach on October 26.

Together with high-ranking representatives of the supplier companies Bosch, Eberspaecher, and Mahle, he engaged in dialogue on the advantages of the climate-friendly drive technology and the political framework conditions that are necessary to facilitate it. A hydrogen engine was shown in action and the specific components were presented for a hands-on look at them. "Both the fuel cell and the hydrogen engine have potential in heavy-duty commercial vehicles and can thus contribute to achieving climate protection targets. A comparative study by e-mobil BW from July 2021 also points to this. It was important for me to find out about the potential of the technology and its fields of application on site," said Minister-President Winfried Kretschmann during his visit.

Three prerequisites are necessary to ensure the powertrain technology's success: sufficient quantities of green hydrogen, the timely establishment of a hydrogen tank infrastructure, and rapid industrialization in Germany and Europe. According to the company representatives, politics must support the implementation process and ensure reliable framework conditions.

"We can only achieve climate neutrality in the transport and logistics sector with the right powertrain solutions for every application. In addition to electrification with batteries and fuel cells, the hydrogen engine also has its strengths. It is particularly robust in demanding environments. At the same time, the hydrogen engine enables us to minimize supply chain risks and raw material dependencies," said Dr.-Ing. Stefan Hartung, Chairman of the Bosch Management Board, at the meeting.

Using hydrogen in engines also means realizing heavy-duty transport climate-neutral more quickly. "The expertise for engines already exists and provides the foundation: With some moderate adjustments, proven components can continue to be used and existing production plants can remain running efficiently. This makes a prompt market entry feasible," said Michael Frick, Chairman of the Mahle Management Board (ad interim).

"When operating with green hydrogen, this technology corresponds to a climate-neutral drive. At the same time, minimal emissions are reduced to a very low level by proven exhaust-emission conversion technology, so that there is no relevant impact on air quality over the entire service life. We are therefore committed to having the hydrogen engine classified as a 'Zero Emission Vehicle' for CO₂ in Europe," added Volker Cwielong, Chief

Executive Officer of Purem by Eberspaecher. Under EU legislation, this classification is important in order to put the powertrain technology on an equal footing with battery- or fuel cell-based electric vehicles.

Green hydrogen is a prerequisite for climate-neutral mobility. Used in an appropriately adapted engine and combined with modern exhaust-gas aftertreatment, it offers all the advantages of proven and robust drive technology – with hardly any measurable impact on air quality. The hydrogen engine shows particular strengths in applications with a high load profile, such as heavy-duty transportation or construction machinery. Allianz Wasserstoffmotor therefore sees the hydrogen engine as a complementary and important building block on the road to CO₂-neutral mobility in the transport and logistics sector. As an energy source, hydrogen can be easily stored and transported. It can therefore be produced and exported in large quantities from global regions that get plenty of sun and wind.

Against this background, around 50 vehicle manufacturers and suppliers as well as research institutions are involved in Allianz Wasserstoffmotor, which was founded in January 2022.

About Allianz Wasserstoffmotor:

Founded in January 2022, Allianz Wasserstoffmotor e. V. is currently consolidating the expertise of almost 50 renowned members from the world of industry and research. All members are driven by the awareness and conviction that hydrogen technology can make a decisive contribution to the mobility of tomorrow.

The association of automotive companies, suppliers, engineers of various specializations, and research institutes sees itself primarily as a communication platform that aims to share its findings with society at large. For us, one thing is clear: The future belongs to hydrogen.

More information is available at www.allianz-wasserstoffmotor.de

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Links about technology, components and Allianz Wasserstoff:

[Efficient Exhaust Technology for Hydrogen Engines: Eberspächer \(eberspaecher.com\)](#)

[Hydrogen engine overview: Bosch](#)

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[Allianz Wasserstoffmotor](#)