

## **BMW starts cooperation with TTTech Auto for developing automated driving functions at the highest safety level**

*Munich, Germany and Vienna, Austria – June 14, 2018*

**The German premium automobile manufacturer BMW chooses TTTech Auto, a high-tech company specializing in leading safety software and hardware platforms for automated driving, as development partner for automated driving functions. Together with TTTech Auto, BMW will develop functional applications that aim to bring automated driving level 3 and 4 to highways until 2021, enhancing safety and comfort for the driver and passengers. TTTech Auto contributes its extensive cross-industry software and functional safety experience to this project.**

Automated driving is set to be the industry's major trend in this decade. The ambitious projects that arise call for new ways of collaboration and new partnerships to take the next steps in this journey towards fully automated driving. For BMW, the next goal is to bring automated driving level 3 and 4 to the roads until 2021 and prepare for level 5. Elmar Frickenstein, Senior Vice President for Fully Automated Driving and Driver Assistance at BMW commented on the new cooperation between BMW and TTTech Auto: "As we develop a modular, non-exclusive platform for autonomous driving, TTTech Auto's expertise in functional and software safety and security is extremely valuable. Together, we are determined to bring safe Level 3 automated driving to the market in 2021. We are excited to be working together here at our new BMW Group Autonomous Driving Campus."

The functional applications to be developed with TTTech Auto will tackle demanding new functionalities that enhance safety and will create a completely new driving experience. TTTech Auto's automotive experts have already gained extensive experience in automated driving programs with several key industry players and successfully developed the safety software platform MotionWise for series production. Stefan Poledna, member of the executive board at TTTech Auto: "We are very proud that we will be able to contribute with our software and safety know-how to BMW's automated driving program that is open for partners. Our engineering team is excited to working with BMW and its partners to bring this highly advanced driving project safely on the road."

This cooperation is part of BMW's enhanced activities in the field of automated driving. For the development process with partners like TTTech, BMW is implementing "LeSS" (Large Scale Scrum) for very efficient software development. This agile software development model with very few hierarchical levels and a large number of small teams, will ensure highest velocity in the development. With BMW, TTTech Auto is entering another close partnership with a global key player in the automotive industry and a distinguished premium OEM. TTTech Auto is currently establishing a new team on-site in Munich and is looking for talented and motivated new employees to strengthen TTTech Auto's excellent engineering workforce.

## About TTTech Computertechnik AG

TTTech is a global leader in the field of robust networking and safety controls. TTTech solutions improve the safety and reliability of electronic systems in the industrial and transportation sectors, with a portfolio of products that are helping to make the Industrial Internet of Things and autonomous driving a reality.

TTTech Auto is a global high-tech company established by TTTech with leading industrial partners in June 2018. It builds upon TTTech Group's automotive ADAS production program experience and world class safety technologies and integrates the software engineering skills of RT-RK Automotive in one dynamic growth venture. The objective of the company is to provide safety software platforms and integration services for domain ECUs and in-car computers, paving the way to highly automated driving and autonomous vehicles.

Thanks to the proven platform-based architecture, TTTech solutions enable simple system integration with shorter time-to-market and significant cost reductions for customers. TTTech solutions support highly scalable and modular open real-time architectures based on Deterministic Ethernet, including the IEEE TSN standards and the established SAE Time-Triggered Ethernet standard.

More information about TTTech is available at [www.tttech.com](http://www.tttech.com).

## About the BMW Group

With its four brands BMW, MINI, Rolls-Royce and BMW Motorrad, the BMW Group is the world's leading premium manufacturer of automobiles and motorcycles and also provides premium financial and mobility services. The BMW Group production network comprises 30 production and assembly facilities in 14 countries; the company has a global sales network in more than 140 countries.

In 2017, the BMW Group sold over 2,463,500 passenger vehicles and more than 164,000 motorcycles worldwide. The profit before tax in the financial year 2017 was € 10.655 billion on revenues amounting to € 98.678 billion. As of 31 December 2017, the BMW Group had a workforce of 129,932 employees.

The success of the BMW Group has always been based on long-term thinking and responsible action. The company has therefore established ecological and social sustainability throughout the value chain, comprehensive product responsibility and a clear commitment to conserving resources as an integral part of its strategy.

More information about the BMW Group is available at [www.bmwgroup.com](http://www.bmwgroup.com).

## Press contacts

Marco Lehner  
Marketing Communications  
TTTech Auto AG  
Schoenbrunner Strasse 7  
1040 Vienna, Austria  
Tel: +43 1 585 34 34-473  
Fax: +43 1 585 34 34-90  
Email: [pr@tttech.com](mailto:pr@tttech.com)

Bernhard Ederer  
BMW Group  
Tech- and Design Communications  
Spokesperson BMW Group Autonomous  
Driving  
Tel: +49 89 382-28556  
Mobile: +49 176 601-28556  
Email: [bernhard.ederer@bmwgroup.com](mailto:bernhard.ederer@bmwgroup.com)