Press release
02 April 2024

BMW Group and Tata Technologies aim to collaborate for the development of Automotive Software and Business IT solutions.

- The new Joint Venture (JV) will deliver automotive software, including software-defined vehicle (SDV) solutions for BMW Group's premium vehicles and digital transformation solutions for its business IT.
- The JV will commence operations with 100 employees and intends to grow to a four-digit number in the following years and is to become part of BMW Group's global network of software and IT hubs.

Munich, Pune (India). The BMW Group and Tata Technologies, a global product engineering and digital services company, have announced that they have signed an agreement to form a JV with the aim to establish a software and IT development hub with locations in Pune, Bangalore and Chennai, India. The main development and operations activities shall be established at Bangalore and Pune. In Chennai, the focus shall be on business IT solutions. The execution of the JV agreement is subject to review and approval by the relevant authorities.

Embodying the ethos of 'Engineer in India for the World', the JV will leverage Tata Technologies' digital engineering expertise and talent pool in India to contribute to the BMW Group's strategic expansion of software coding capabilities across global IT hubs and 24/7 operations. The JV will focus on strategic software development, including solutions for software defined vehicles (SDV). In automotive software, the focus will be on automated driving, infotainment and digital services. In business IT, the emphasis will be on digitalization and automation of product development, production and sales. From the inception of this JV, 100 trained and experienced TATA Technologies professionals will ensure robust and immediate contribution to software projects. The JV is likely to grow quickly to a four-digit number in the following years.

Christoph Grote, Senior Vice President of Software and E/E Architecture at BMW Group said: "Our collaboration with Tata Technologies will accelerate our progress in the field of the software defined vehicle. In international

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comparison, India boasts a large number of talents with outstanding software skills, who can contribute to our software competence. Developing vehicle software for the BMW Group means working with top-class processes and tools, which in turn gives Indian software engineers the chance to shape state-of-the-art, premium automotive experiences in future fields such as highly automated driving and artificial intelligence."

"The expansion of international DevOps* hubs has clearly proved to be a successful model for the BMW Group," said **Alexander Buresch, CIO and Senior Vice President of BMW Group IT.** "I am therefore extremely pleased that we have found a strong and valued technology partner with Tata Technologies and are now also expanding our footprint in India."

Commenting on the collaboration, **Warren Harris, CEO and MD of Tata Technologies**, said, "Our collaboration with the BMW Group demonstrates our commitment to providing top-tier solutions in automotive software and digital engineering to customers across the world. Aligned with our vision of engineering a better world, we're excited to bring our expertise to the forefront, aiding BMW Group in engineering premium products, delivering great digital experiences for their customers and propelling its digital transformation journey in Business IT."

Nachiket Paranjpe, President of Automotive Sales at Tata Technologies, commented, "In the evolving automotive landscape, the journey towards software-defined vehicle represents a pivotal shift in automotive software and vehicle development methodologies. We will leverage our deep domain knowledge and SDV expertise to collaborate with the BMW Group towards engineering vehicles that are not just technologically advanced but deliver exceptional experiences to consumers around the globe."

This collaboration between Tata Technologies and BMW Group represents a shared vision of innovation and excellence in automotive engineering and digital solutions.

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Consistent, demand-oriented expansion of worldwide software expertise.
Thanks to the global distribution of the BMW Group's software hubs, software is developed and integrated in real time in the cloud around the clock. The global development team for vehicle software is already creating up to 140,000 software builds per day across the entire ECU software (1 build = 1 source code change/creation that can be executed in the vehicle software, including automated testing).

The BMW Group started its own automotive software development over 20 years ago. Since then, it has continuously expanded its global network of development teams for both automotive software and business IT solutions. For several years now, IT- & Software Hubs in Germany, the US, South Africa, India, Portugal (Joint Venture Critical TechWorks) and China (LingYue Digital IT Co. Ltd. and BA TechWorks) have been strengthening the premium manufacturer's software expertise. Combining software for digital vehicle environments and business IT synergistically according to the DevOps principle provides major advantages, particularly when it comes to backend and application development and operation. In total, over 9,400 people work in IT and software development for the BMW Group and its Joint Ventures worldwide and the company continues to build up skills successively and demand-based.

Just recently, the BMW Group had announced the signing of a JV contract with regard to the establishment of a new IT and software hub in Cluj-Napoca, Romania. In the future, this JV will provide development services for business IT in Europe, including software development for human resources, production, sales and BMW Group Financial Services. Execution of this contract is still subject to review and approval by the relevant authorities.

* DevOps is a method of software development that improves collaboration between developers (Dev) and operators (Ops) to enable faster and more efficient delivery of software

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and services.

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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 over 30 production sites worldwide; the company has a global sales network in more than 140 countries.

In 2023, the BMW Group sold over 2.55 million passenger vehicles and more than 209,000 motorcycles worldwide. The profit before tax in the financial year 2023 was € 17.1 billion on revenues amounting to € 155.5 billion. As of 31 December 2023, the BMW Group had a workforce of 154,950 employees.

The success of the BMW Group has always been based on long-term thinking and responsible action. The company set the course for the future at an early stage and consistently makes sustainability and efficient resource management central to its strategic direction, from the supply chain through production to the end of the use phase of all products.

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Tata Technologies

Tata Technologies (BSE: 544028, NSE: TATATECH) is a global product engineering and digital services company focused on fulfilling the mission of helping the world drive, fly, build, and farm by enabling customers to realize better products and deliver better experiences. Tata Technologies is the strategic engineering partner businesses turn to when they aspire to be better. Manufacturing companies rely on the company to enable them to conceptualize, develop and realize better products that are safer, cleaner, and improve the quality of life for all the stakeholders, helping the company achieve its vision of #EngineeringABetterWorld.

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