

Global Press Release

KPIT and ZF form development cooperation for industry-leading middleware solution

- Addresses major gap in availability of a mature, modular, integrated middleware solution that allows mobility OEMs to manage the continual increase in software complexity while retaining full control of architecture.
- Builds on sustained investment by KPIT and ZF in solutions for “software-defined vehicles”.
- The joint development will create an open and scalable platform which can be used across OEMs and mobility customers.

Munich, Germany | Friedrichshafen, Germany | Novi, USA | Pune, India <October 21, 2021> | NSE: KPITTECH BSE: 542651 : [KPIT Technologies](#), a leading independent software development and integration partner to the automotive and mobility industry and [ZF Group](#), a global technology company supplying systems for passenger cars, commercial vehicles and industrial technology, announced that they will cooperate for joint development for an industry leading middleware solution for the mobility ecosystem.

The continual increase in software complexity coupled with high-performance computing infrastructure needs a robust and dependable middleware solution. The lack of such a solution can potentially delay vehicle development and escalate technology spends.

Built with the software expertise of KPIT paired with ZF’s strong understanding of vehicle systems, a mature, modular middleware solution which can be deployed across OEMs represents a transformative opportunity for the mobility ecosystem. This cooperation will also bring onboard solutions from other technology companies, including semiconductor specialists, software companies, cloud services and start-ups.

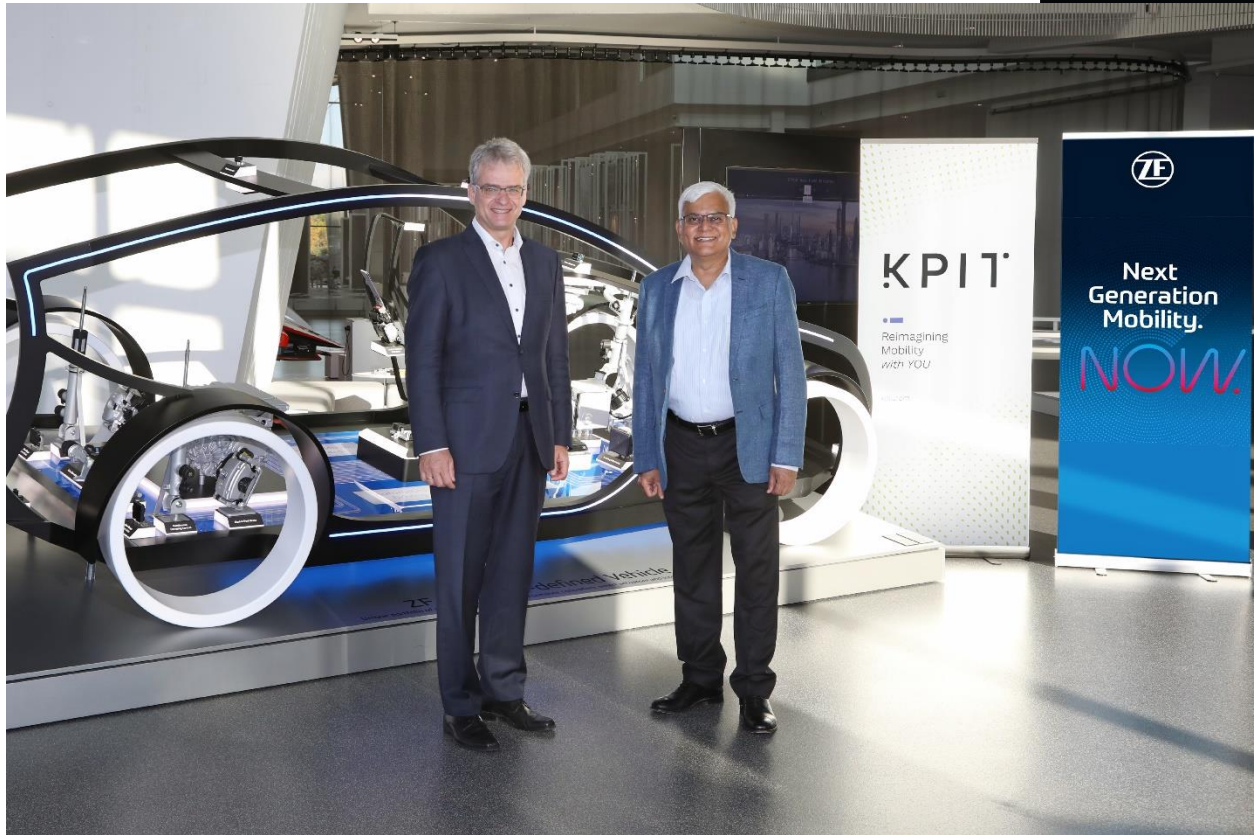
The middleware development will draw upon KPIT’s experience in several production programs, expertise in architecture consulting & software integration and its strengths in cloud based connected services. It will use KPIT’s existing assets, tools and accelerators and other core infrastructure.

Kishor Patil, CEO, KPIT Technologies, said – “We are very excited to cooperate with ZF for developing an industry leading middleware solution. OEMs want to explore open and scalable middleware solutions that can set foundation for the future generation of vehicles and bring significant quality and productivity

improvements. An appropriate middleware solution will help OEMs and our mobility customers to transition well to a solid central computer architecture. Together, we bring software expertise, systems understanding, and knowledge of OEMs and mobility customer needs. This development cooperation for middleware solutions will add immense value to our global automotive and mobility customers and significantly shorten time for the development cycles”

“The next generation of vehicles that come into the market will feature electric drives, a high degree of automated functions as well as connectivity, and they will be software-defined,” explains **Dr. Dirk Walliser, SVP Corporate R&D at ZF Group**. “Using what we jointly develop with KPIT, we can offer our automotive customers even more comprehensive software solutions that fit seamlessly together with our system portfolio for the software-defined vehicle: high-performance computing, software, intelligent sensors and smart actuators.”

In January 2021, ZF established a Global Software Center with responsibility for developing software systems for future architectures on a group-wide level. One core product is an automotive middleware that serves as a “mediator” between a vehicle computer’s operating system and its software applications. Its development is closely connected to the development of application software for mobility domains like automated driving, integrated safety, vehicle motion control and electric mobility.



KPIT and ZF will cooperate to develop an industry leading middleware solution for the automotive industry. Pictured: Dr. Dirk Walliser, Head of Corporate R&D at ZF Group and Kishor Patil, CEO at KPIT Technologies

About KPIT

KPIT is a leading independent software development and integration partner helping mobility leapfrog towards a clean, smart, and safe future. With 7000 automobelievers across the globe specializing in embedded software, AI, and digital solutions, KPIT accelerates clients' implementation of next-generation technologies for the future mobility roadmap. With engineering centers in Europe, the USA, Japan, China, Thailand, and India, KPIT works with leaders in automotive and mobility and is present where the ecosystem is transforming. For more details, visit www.kpit.com

KPIT Newsroom and Media resources center: <https://www.kpit.com/newsroom/>

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About ZF

ZF is a global technology company supplying systems for passenger cars, commercial vehicles and industrial technology, enabling the next generation of mobility. ZF allows vehicles to see, think and act. In the four technology domains of Vehicle Motion Control, Integrated Safety, Automated Driving, and Electric Mobility, ZF offers comprehensive product and software solutions for established vehicle manufacturers and newly emerging transport and mobility service providers. ZF electrifies a wide range of vehicle types. With its products, the company contributes to reducing emissions, protecting the climate and enhancing safe mobility.

In fiscal year 2020 ZF reported sales of €32.6 billion. The company employs more than 150,000 associates at approximately 270 locations in 42 countries.

For further press information and photos, please visit: www.zf.com