

Press Release

FEV.io revolutionizes the in-vehicle user experience with infotainment solution driven by generative AI

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Aachen, August 2024 – FEV.io, the software brand of global engineering service provider FEV, presents an intelligent voice assistant that enables a completely new kind of user experience inside the vehicle. The solution uses generative AI to understand the needs of drivers and passengers and provide optimal solutions in real time.

The holistic development approach by FEV.io is based on an innovative AI framework. The generative AI, which is integrated into the core of the voice assistant, accesses data from a personal, secure cloud profile of the driver and uses live vehicle data as well as environmental parameters to search for the best possible support for the user in real time.

“In today's digital and connected world, a new kind of user experience in the vehicle is increasingly expected,” said Dr. Johannes Richenhagen, Managing Director of FEV.io. “Our international team analyzes various everyday situations, outlines possible challenges and develops tailor-made, holistic solutions that guarantee the best possible user experience for the driver. We accompany the development process from the initial idea to

the finalized and tested solution ready for series production. And of course, data security and privacy are guaranteed.”

Seamless and intuitive user experience

The times when specific keywords had to be memorized to operate voice assistants are now a matter of the past. The FEV.io approach offers independent solutions for everyday questions. The following example illustrates the complexity of supposedly simple everyday situations in which the new FEV voice assistant can provide added value: From the initial questions “When do I have my next appointment? What do I need to prepare for it?”, further questions such as “Will I get there on time given the current traffic situation? Is my battery charge or fuel level sufficient for this route?” The assistance system automatically considers these subsequent steps and offers appropriate solutions.

The system can also control other vehicle functions like the air conditioning or the infotainment system. From the simple expression “I’m tired”, the generative AI derives measures such as playing stimulating music or lowering the temperature in the interior. The system also determines the next parking area as a navigation destination and encourages the driver to take a break there. In this way, AI can even increase the safety of the driver and other road users.

FEV combines its expertise in software development with many years of experience in vehicle development. The team draws on a global network of specialists providing customized solutions.

Footage:



Caption: FEV.io has developed an advanced voice assistant based on generative AI that independently contributes to improving the user experience in the vehicle.

Source: FEV

About FEV

FEV has always pushed the limits.

FEV is a globally leading engineering provider in the automotive industry and internationally recognized leader of innovation across different sectors and industries. Professor Franz Pischinger laid the foundations by combining his background in academia and engineering with a great vision for continual progress. The company has supplied solutions and strategy consulting to the world's largest automotive OEMs and has supported customers through the entire transportation and mobility ecosystem.

As the world continues to evolve, so does FEV.

That's why FEV is unleashing its technological and strategic expertise into other areas. It applies its forward thinking to the energy sector. And its software and system know-how will enable the company to lead the way making intelligent solutions available to everyone. FEV brings together the brightest minds from different backgrounds and specialties to find new solutions for both current and future challenges.

But FEV won't stop there.

Looking ahead, FEV continues to push the limits of innovation. With its highly qualified over 7,100 employees at more than 40 locations globally, FEV imagines solutions that don't just meet today's needs but tomorrow's. Ultimately, FEV keeps evolving – to a better, cleaner future built on sustainable mobility, energy and software that drives everything. For the company's partners, its people and the world. [#FeelEVolution](#)