

All over the world, ElringKlinger employees are instrumental in shaping future patterns of mobility. The contribution made by every single one of the nearly ten thousand people who make up the Group's workforce is important to ElringKlinger's overall success. To this end, the company needs people who ask questions, look for answers, and are prepared to embrace the future - in other words, employees with the desire to set the pace. We asked a few members of our global team to introduce themselves and explain what it is that drives them.





Program Manager Jochen Stanger certainly saw a few changes in 2017. When ElringKlinger bought a stake in the hofer Group at the beginning of the year, he was given overall project management responsibility for the development and industrialization of an electric powertrain. His role involves defining processes, drawing up new standards, and introducing them in project work for hofer powertrain products. What is it that motivates him? "I can set a lot of things in motion, both at project level and by designing new processes. With this in mind, I'm happy to take on responsibility."





FUEL CELL

The goal of the development project on which engineer Stefan Hemmer was working in 2017 was to increase the range of battery-powered electric buses by using fuel cell technology. Stefan and his team developed a highly integrated media module made of injection-molded plastic. The module is an important component that supplies the functional units of the fuel cell stack with hydrogen, oxygen, and coolant. It also acts as the interface to the vehicle system environment that takes up the supply of electricity. Tests will be conducted in 2018 in electric buses to assess how well the fuel cell system performs as a range extender.

BATTERY

The framework agreement that Vivian Yang helped to draft for ElringKlinger and the Chinese cell manufacturer Chengfei Integration Technology (CITC) covers the development, production, and distribution of lithium-ion battery modules. Vivian also acted as a bridge in communications between the German parent company and ElringKlinger's Chinese partner, especially when it came to merging the different requirements of German and Chinese law into a single contract.

ELECTRIC DRIVETRAIN

The sheer complexity involved in the task of combining an electric motor, power management electronics, and the transmission into an efficient drive system presented Jochen Stanger with some new challenges in 2017. As overall project manager for the development and industrialization of an electric drive system, he coordinated five teams of experts from the hofer Group's engineering pool, each of which specializes in a particular product area. At the same time, he had to liaise with the customer (a manufacturer of pure electric vehicles), make future production arrangements, and establish any relevant new standards.

LIGHTWEIGHTING

In 2017, Myrna Sotelo Moreno coordinated the installation and commissioning of a CMM system designed to check the quality of cockpit cross-car beams – hybrid body components made of aluminum and plastic – at 571 different measuring points. When these are all met, the lightweight components leave ElringKlinger's factory in Fremont (USA) for delivery to a manufacturer of next-generation vehicles.

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CUTTING-EDGE
PROJECTS