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Electrification Strategy of Volkswagen Group

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Abstract:

Volkswagen AG is focusing on the world of mobility in 2030. By 2030, the global market for electric vehicles will have caught up with that of combustion engines, including in terms of sales volume.

With a view to tapping into the revenue streams offered by the new world of mobility, we are in the process of developing industry-leading platforms. The platform approach will be the key to success in the technological world of tomorrow.

These platforms form the backbone of the strategy and provide high-quality, industry leading technology at unprecedented scale and competitive cost.

The Scalable System Platform (SSP) will allow us to reduce complexity. It covers the entire product portfolio, from entry models to high-end vehicles.

The Group Components Technical Development division for E-Drive and Transmission, based at Kassel, Wolfsburg and Ingolstadt locations, is taking a leading role in the development of electric drivetrains for the SSP. One area of focus is the Group-wide responsibility to develop all future inverters. Therefore we are designing a modular system for future drivetrains on the SSP platform. Our aim is to design electric drivetrains that are the best-in-class. Inverter and software are the key components in this regard.

Curriculum Vitae:

Alexander Krick was born on May 20, 1981 in Fritzlar. After graduating from higher secondary school he studied electrical engineering at the University of Kassel, Germany and at University of Massachusetts, Dartmouth, USA. In 2009, he began his professional career as a project manager for the series development of electric drives at Volkswagen.

In 2012, Alexander Krick became an assistant in the plant management at Kassel site. Two years later, he was promoted to head of the technology center for foundry and processing of Volkswagen components. In 2015, Mr. Krick became head of the steering committee for the localization of new units for new energy vehicles in China, where a year later he was assigned to head of the development of transmissions and electric drives at Volkswagen Automatic Transmission in Tianjin, China. From 2019 to 2020, Alexander Krick was Head of Planning and Development Steering in the Transmission and E-Drive Components business unit.

Alexander Krick heads the development of E-Drives, Inverter and Transmissions at Volkswagen Group Components.

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