



Media Information

November 17, 2021

Volkswagen is developing the chassis of the future

- Software expertise as the driver for developing chassis systems for highly automated driving
- The software will have many more options for defining the character of a car in the future
- “Innovation Talk – Driving dynamics” with lots of background info on the topic

Wolfsburg – The ACCELERATE strategy is systematically driving the advancement towards becoming a software-oriented mobility provider. Software is also key in the development of chassis and steering systems for the highly automated driving of the future. Volkswagen is currently developing the next generation of a regulated chassis, and a new steering system.



The development of driving dynamics follows a clear philosophy at Volkswagen ¹

“The body’s pitching and rolling movements are significantly minimised and the driving dynamics optimised because the car reacts to steering movements more quickly and is more precise to drive,” said Karsten Schebsdat, Head of Vehicle Dynamics and Chassis Control System at Volkswagen. “And this development is very important in terms of highly automated driving. This is how we ensure passengers are as comfortable as possible in all situations.”

In future, software will play an even greater role in defining the character of the car
The development of a new steering system is forging ahead as well. “Software will also be more important for steering in the future,” said Schebsdat. “It gives us many more opportunities to influence steering characteristics, which can be implemented on a model-specific basis for all platforms later on.” And the driver assistance systems such as Lane Assist and Travel Assist will also benefit from this steering system when the components enter series production.

The “Innovation Talk – Driving dynamics” provides more detailed information and gives insights into the area of driving dynamics at Volkswagen.

¹ Golf R – fuel consumption (NEDC), l/100 km: urban 9.0; extra-urban 6.0; combined 7.1; CO₂ emissions combined, g/km: 163–161; efficiency class: D

Media Contact
Volkswagen Communications
Benedikt Griffig
Head of Technology
Communications
Tel: +49 5361 9-977164
benedikt.griffig@volkswagen.de



More at
volkswagen-newsroom.com

ACCELERATE
DIGITAL: ENERGIZED

The Volkswagen Passenger Cars brand is present in more than 150 markets worldwide and produces vehicles at more than 30 locations in 13 countries. Volkswagen delivered around 5.3 million vehicles in 2020. These include bestsellers such as the Golf, Tiguan, Jetta or Passat as well as the fully electric successful models ID.3 and ID.4. Around 184,000 people currently work at Volkswagen worldwide. In addition, there are more than 10,000 trading companies and service partners with 86,000 employees. With its ACCELERATE strategy, Volkswagen is consistently advancing its further development into a software-oriented mobility provider.
