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## Technology in the new Touareg – Part 5: the head-up display projects information onto the windscreen

- A transparent screen lends the perfect finishing touch to the digital cockpit
- The driver can configure the display according to their preferences

Wolfsburg (D) – The Innovision cockpit in the new Touareg – an interactive digital landscape consisting of display and control elements – is the blueprint for the cockpit of the future. A head-up display lends the perfect finishing touch: it projects a virtual summary of the latest key information into the driver's selective field of vision.



The new Touareg with head-up display

Data (the vehicle's current speed, the maximum permitted speed, etc.) and visual information from the navigation system feel as though they are projected into the space immediately in front of the Touareg, i.e. the street. This ensures the information is visible to the driver at all times. From a technical point of view, the information is actually reflected

on the windscreen as a transparent display – hence the name "windshield head-up display". At 217 mm in width and 88 mm in height, it is the largest head-up display offered by Volkswagen.

The driver can set the position (height) of the display and vary the display spectrum; in addition to the speed, features such as traffic sign recognition and navigation guidance can be activated. Warnings (such as if the vehicle exceeds the maximum permitted speed) can also be shown. This spectrum also includes information about currently activated assist systems. Pictograms and information for the ACC automatic distance control system, cruise control system, night vision assist system, lane assist system and side assist system (both of which issue lane departure warnings) can also be projected onto the windscreen. Finally, the driver can set the display brightness and colour scheme. The brightness is also automatically controlled depending on the ambient light.

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*<sup>1)</sup> Touareg V6 TDI 4MOTION, 210 kW / fuel consumption in l/100 km: urban 7.7 / extra-urban 5.9 / combined 6.6; CO<sub>2</sub> emissions in g/km: 173 (combined), efficiency class: B.*

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The Volkswagen Passenger Cars brand is present in more than 150 markets throughout the world and produces vehicles at over 50 locations in 14 countries. In 2017, Volkswagen delivered 6.23 million vehicles including bestselling models such as the Golf, Tiguan, Jetta or Passat. Currently, 198,000 people work for Volkswagen across the globe. The brand also has over 7,700 dealerships with 74,000 employees. Volkswagen is forging ahead consistently with the further development of automobile production. E-mobility, smart mobility and the digital transformation of the brand are the key strategic topics for the future.

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