PRESS RELEASE

Bosch and e.GO bring stress-free parking to Aachen

Automated valet parking will soon be offered in the new parking garage on the RWTH Aachen campus

- Bosch and e.GO have agreed to collaborate on automated valet parking.
- Bosch board of management member Hoheisel: “Manual parking is a thing of the past.”
- Twelve e.GO Life cars are being readied for the automated valet parking service.

Aachen/Stuttgart – April 11, 2018 – This is what stress-free parking will look like in the future: pull up, step out of the car, pull out your smartphone, and use an app to tell your car to go park. This future will arrive in Aachen before the year is out, when the new parking garage for the production engineering cluster on the RWTH Aachen campus, built by Immofinanz in 2018, is equipped with Bosch automated valet parking. Now Bosch and the Aachen-based automaker e.GO have agreed to collaborate on this. Bosch will handle the infrastructure technology in the parking garage and will work with e.GO to integrate the start-up’s vehicles into the automatic valet parking service. The first stage will see automated valet parking implemented using up to 12 of e.GO’s Life electric cars. These cars are part of e.GO’s fleet, which the company makes available to its workforce for business trips and so they can present the automated valet parking service. In the second stage, Bosch and e.GO aim to improve parking-space utilization in the parking garage with the help of automated valet parking.

“Manual parking is a thing of the past. Bosch technology enables cars to park much better, saving drivers a great deal of time and avoiding stress,” says Dr. Dirk Hoheisel, member of the board of management of Robert Bosch GmbH. “Parking garages are the ideal habitat for compact, versatile city cars like the e.GO Life. Automated valet parking lets us achieve even more – namely, fitting up to 50 percent more vehicles in an existing parking garage. Customers pay only slightly more if they opt to have this technology in their e.GO Life,” says Prof. Günther Schuh, CEO of e.GO Mobile AG.

Intelligent parking garage infrastructure assumes control of the vehicle
Automated valet parking is an important milestone on the road to autonomous driving. It is also one of the services in the portfolio of Bosch’s new Connected Mobility Solutions division. This is how it works: drivers simply leave their car in a drop-off area at the entrance to the parking garage. Using a smartphone app, they then instruct it to make its own
way through the parking garage to a vacant parking space. Later, they instruct the car to meet them at the pick-up area in exactly the same way. Drivers do not need to monitor the procedure; instead they can leave the parking garage while their car is still on its way to the parking space. What makes this possible is intelligent infrastructure. Bosch sensors in the parking garage monitor the driving corridor and its surroundings and provide the information needed to guide the vehicle. The technology in the car safely converts the commands from the infrastructure into driving maneuvers and stops the vehicle in good time in the event of any obstacles or if people cross its path. Bosch and e.GO want to involve the German certification authority TÜV and local authorities in their collaboration from the outset to ensure reliable operation of the vehicle and parking garage technology.

Automated valet parking successfully implemented with Mercedes-Benz

For Bosch, the collaboration that has now begun with e.GO is the company’s second automated valet parking project. Mercedes-Benz is the pilot partner for the solution. At the Mercedes-Benz Museum parking garage in Stuttgart, Bosch and Mercedes-Benz have already made automated valet parking a reality, presenting it to the general public in the summer of 2017. Above all, Bosch and Mercedes-Benz want to gather experience of how users interact with driverless vehicles and how well such vehicles are received. To this end, the two companies are about to launch what they are calling an “experience tour” in the next few weeks. On the experience tour, an expert will accompany interested guests on a ride in a driverless car in the Mercedes-Benz Museum parking garage, explaining the technology and answering questions.

Press photo:

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e.GO Mobile AG

e.GO Mobile AG is an electric car startup that develops and produces electric vehicles and is headquartered on RWTH Aachen Campus. This business was founded in spring 2015 by Prof. Günther Schuh, who had already co-founded StreetScooter GmbH in 2009. The currently 200 employees benefit from this experience in their daily work developing and constructing affordable and customer-focused electric cars for short-distance travel in agile teams. Serial production is scheduled to start in early 2018.

www.e-go-mobile.com
Bosch Group

Mobility Solutions is the largest Bosch Group business sector. According to preliminary figures, its 2017 sales came to 47.4 billion euros, or 61 percent of total group sales. This makes the Bosch Group one of the leading automotive suppliers. The Mobility Solutions business sector pursues a vision of mobility that is accident-free, emissions-free, and stress-free, and combines the group’s expertise in the domains of automation, electrification, and connectivity. For its customers, the outcome is integrated mobility solutions. The business sector’s main areas of activity are injection technology and powertrain peripherals for internal-combustion engines, diverse solutions for powertrain electrification, vehicle safety systems, driver-assistance and automated functions, technology for user-friendly infotainment as well as vehicle-to-vehicle and vehicle-to-infrastructure communication, repair-shop concepts, and technology and services for the automotive aftermarket. Bosch is synonymous with important automotive innovations, such as electronic engine management, the ESP anti-skid system, and common-rail diesel technology.

The Bosch Group is a leading global supplier of technology and services. It employs roughly 400,500 associates worldwide (as of December 31, 2017). According to preliminary figures, the company generated sales of 78 billion euros in 2017. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT company, Bosch offers innovative solutions for smart homes, smart cities, connected mobility, and connected manufacturing. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group’s strategic objective is to deliver innovations for a connected life. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is “Invented for life.” The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiary and regional companies in 60 countries. Including sales and service partners, Bosch’s global manufacturing, engineering, and sales network covers nearly every country in the world. The basis for the company’s future growth is its innovative strength. At 125 locations across the globe, Bosch employs 62,500 associates in research and development.


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