Press release

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Bosch's rapid coronavirus test delivers results for positive samples in less than 30 minutes

Cloud-based software update means a faster PCR test for SARS-CoV-2

- Improved software for Vivalytic: turnaround time for positive SARS-CoV-2 samples reduced to under 30 minutes.
- Expansion of production: Launch of two new productions lines in December.
- New jobs created: 80 associates – some from Bosch's mobility division – were newly hired this year.
- Update from the cloud: Vivalytic analysis devices are updated over the internet.

Stuttgart, Germany – Thanks to improved software for the Vivalytic analysis device, the Bosch rapid coronavirus test, which uses polymerase chain reactions (PCR), now delivers its results even faster. By applying optimized evaluation strategies, the Vivalytic analysis device can detect a positive sample through its high viral load in less than 30 minutes, right where the sample is collected. "In the fight to contain the coronavirus pandemic, speed is of the essence. With Vivalytic, we are delivering cutting-edge medical technology. Our IT and software expertise have helped to make the Bosch Corona test for positive samples even faster – all within a short period of time," says Dr. Volkmar Denner, chairman of the board of management of Robert Bosch GmbH. This modified product is part of a research and development project relating specifically to Covid-19, funded by the German Federal Ministry of Education and Research (BMBF) to the tune of 4.97 million euros. The project's aim is to expand the options for detecting acute infections of the coronavirus, looking particularly at on-the-spot testing in which the sample is analyzed in a fully automatic PCR process, as this offers rapid yet reliable results.

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The turnaround time for samples negative for SARS-CoV-2 is still 39 minutes. PCR tests are considered the gold standard, and Bosch's rapid coronavirus tests have a sensitivity of 98 percent and a specificity of 100 percent. They are already available in 26 countries, mostly in Europe. "To meet the high demand, we launched two new production lines at our headquarters in Waiblingen in December," says Marc Meier, president of Bosch Healthcare Solutions. "In total, we were able to create more than 80 new jobs this year, some of which have been filled by associates from Bosch's mobility division," Marc Meier continues.

Update from the cloud platform Vivasuite

The new update is available for the SARS-CoV-2 singleplex test and the SARS-CoV-2 pooled test. Updating the Vivalytic testing devices is simple and straightforward – all that is required is an internet connection to access the Bosch cloud platform Vivasuite. Developed in-house at Bosch, the Vivasuite cloud platform allows users to digitally manage and update all their Bosch Healthcare Solutions devices. This is also an advantage when Vivalytic devices are in use in the field. The platform meets the strictest security standards and data privacy is guaranteed at all times: for example, there is no remote access to Vivalytic devices, and no possibility of accessing patient data.

Press photographs: #824fb764, #10f50c30, #1269b43d, #6d49c767**,** #515d1fa1

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Bosch at the all-digital CES 2021:

- **VIRTUAL PRESS CONFERENCE: Monday, January 11, 2021**, from 8:00 to 8:30 EST (14:00–14:30 CET) with Dr. Michael Bolle, Bosch CTO, CDO, and management board member, and Mike Mansuetti, president of Bosch North America, at the Bosch Media Service.
- **VIRTUAL BOOTH: January 12 – February 15, 2021,** at www.ces.tech
- **FOLLOW** the Bosch CES 2021 highlights on Twitter: **#BoschCES**
- **DEEP-DIVE SESSIONS WITH BOSCH-EXPERTS: January 12 – February 15, 2021,** at www.ces.tech

- *Sustainable #LikeABosch: How a key global industry player drives carbon neutrality at its* sites with **Torsten Kallweit**, Head of Corporate Office Health, Safety, Environmental and Fire Protection as well as Sustainability and Manager CTO Bosch Climate Solutions GmbH, and **Annette Wagner**, Head of Sustainability and Ideas Lab
- *Move #LikeABosch: Technology for sustainable future mobility* with **Mike Mansuetti**, President of Bosch North America, and **Tim Frasier**, Regional President Automotive Electronics North America
- *Artificial intelligence in use: Application examples from the fields of fitness tracking and well-being to smart cameras* with **Kaustubh Gandhi**, Senior Product Manager, and **Sina Isabell Springer**, Business Development Manager
- *Perfectly keyless advanced* with **Tim Frasier**, Regional President Automotive Electronics North America, **Daniel Kornek**, Head of Product Area Vehicle Access (Perfectly Keyless), and **Jia Hou**, Business Development Manager

The Bosch Group is a leading global supplier of technology and services. It employs roughly 400,000 associates worldwide (as of December 31, 2019). The company generated sales of 77.7 billion euros in 2019. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT provider, Bosch offers innovative solutions for smart homes, Industry 4.0, and connected mobility. Bosch is pursuing a vision of mobility that is sustainable, safe, and exciting. 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 facilitate connected living with products and solutions that either contain artificial intelligence (AI) or have been developed or manufactured with its help. 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. Bosch employs some 72,600 associates in research and development at 126 locations across the globe, as well as roughly 30,000 software engineers.

The company was set up in Stuttgart in 1886 by Robert Bosch (1861–1942) as "Workshop for Precision Mechanics and Electrical Engineering." The special ownership structure of Robert Bosch GmbH guarantees the entrepreneurial freedom of the Bosch Group, making it possible for the company to plan over the long term and to undertake significant upfront investments in the safeguarding of its future. Ninety-two percent of the share capital of Robert Bosch GmbH is held by Robert Bosch Stiftung GmbH, a charitable foundation. The majority of voting rights are held by Robert Bosch Industrietreuhand KG, an industrial trust. The entrepreneurial ownership functions are carried out by the trust. The remaining shares are held by the Bosch family and by Robert Bosch GmbH.

Additional information is available online at www.bosch.com, www.iot.bosch.com, www.bosch-press.com, www.twitter.com/BoschPresse.