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CES 2019: First Sensor Equips Israeli LiDAR Scanner

- Expert audience sees demonstrator with customized APDs for the first time
- Accelerated cost roadmap to prepare for volume production

Starting next Tuesday, corporations and startups will be presenting specific solutions for the introduction of fully autonomous driving at CES in Las Vegas. The Israeli system manufacturer OPSYS Tech, whose investors include Hyundai Motor, is making use of customized avalanche photodiodes (APDs) by First Sensor AG. OPSYS Tech will be showing selected customers and partners a novel solid-state LiDAR system designed for use with autonomous vehicles.

Within a few months, First Sensor successfully delivered the APDs customized for OPSYS' scalable solid-state LiDAR. "We were quickly able to supply OPSYS with a solution that convinces with technological precision and performance strength and also meets various customer-specific requirements. This overall package persuaded OPSYS that First Sensor was the right choice," says Dr. Dirk Rothweiler, CEO of First Sensor AG, which in the recently published "Global APD Avalanche Photodiode Market 2018" report took the lead among APD manufacturers for the second time. The sensor specialist is currently providing different companies with samples of a new generation of APD and is preparing for the LiDAR systems to enter series production. "Our task is to get volume production started as quickly as possible with an accelerated cost roadmap," Rothweiler continues.

Self-driving cars are still in the pilot phase, but experts expect that as many as 54 million of these vehicles will be on the road by 2035. In order to survive in the commercial automotive market, LiDAR systems have to fulfill high quality and safety standards. First Sensor outlines these in the new whitepaper "Unveiling the Mystery of LiDAR Qualification for Automotive Applications: The four pillars you should know." "We are already facing up to the significant challenges for development and production and also expanding our product portfolio in a targeted manner," says Rothweiler. As LiDAR, together with radar and cameras, will enable autonomous driving in the future, First Sensor introduced a new camera generation and a scalable hardware and software platform for driver assistance systems at the end of last year.

About First Sensor AG

First Sensor is one of the world's leading suppliers in the field of sensor systems. Our company develops and produces standard products and customer-specific solutions for applications in the industrial, medical, and mobility growth markets. With over 900 employees, we are represented at six locations in Germany, and also operate sales and production sites in the US, Canada, China, UK, France, Denmark, Sweden and the Netherlands as well as a global network of partners. First Sensor AG has been listed in the Prime Standard segment on the Frankfurt Stock Exchange since 1999. For more information please visit www.first-sensor.com.

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