



NEWS RELEASE

Delphi and Mobileye to Conduct Automated Driving's Most Complex, Real-World Demonstration at CES 2017

2016-12-20

JERUSALEM and GILLINGHAM, England, Dec. 20, 2016 /PRNewswire/ -- As the pace of automated driving technology shifts into overdrive, Delphi Automotive PLC (NYSE: DLPH) and Mobileye (NYSE: MBLY) will conduct the most complex automated drive ever publicly demonstrated on an urban and highway combined route in Las Vegas for CES 2017.

The 6.3-mile drive will showcase Delphi and Mobileye's Centralized Sensing Localization and Planning (CSLP) automated driving system, which will be ready for production by 2019. CSLP is the first turnkey, fully integrated automated driving solution with an industry-leading perception system and computing platform.

"Three factors will separate the leader from the pack in the race to offer driverless vehicles by 2019 best-in-class: perception sensors such as cameras, radar and LiDAR, automotive experience and computer processing speed," said Glen De Vos, vice president of services for Delphi. "We will demonstrate the capability of the CSLP solution in our intensive drive at CES 2017 in Las Vegas."

"Delphi and Mobileye's complementary skills are key to enabling a production-ready, scalable autonomous system," said Professor Amnon Shashua, Mobileye co-founder, chairman and chief technology officer. "These demonstrations provide a glimpse to what our collaboration has achieved thus far while many of the truly advanced capabilities such as the full scope of REM and Reinforcement Learning for Driving Policy will be gradually upgraded during 2017."

The Las Vegas drive will tackle everyday driving challenges such as highway merges, congested city streets with pedestrians and cyclists and a tunnel.



The 2019 CSLP system will feature several advanced technologies including:

- Localization and mapping capabilities: Ensures the vehicle knows its location within 10 cm; even without GPS connectivity
- Free space detection: Helps the car navigate complex lane splits or areas lacking lane markings
- 360-degree pedestrian sensing
- 3D vehicle detection: Detects vehicles at any angle. Can detect partial cars by identifying vehicles by overall shape and detect by wheel movement if a car is stationary or parked; critical for urban situations with unusually angled intersections. Enables lateral turning vehicle detection critical for intersections
- Path and motion planning: Allows the car to behave more human-like in its driving behavior and determine the best path forward

In addition, teams from both companies continue to develop next generation of sensor fusion technology as well as the next generation human-like "driving policy." This module combines Ottomatika's driving behavior modeling with Mobileye's deep reinforcement learning in order to yield driving capabilities necessary for negotiating with other human drivers and pedestrians in complex urban scenes.

Delphi will also showcase several other advanced technologies at CES 2017:

- 48-volt, mild hybrid solutions – for gasoline and diesel engines -- to help OEMs meet future stringent emission standards affordably without sacrificing power and performance by integrating electrification with traditional powertrains.
- An improved Multi-layer display (MLD[®]) to provide the flexibility to optimize a 3D viewing experience on both the Center Information Display (CID) and cluster.
- First-to-market V2V (vehicle-to-vehicle) technology that enables cars to talk to each other. This system will launch on the 2017 Cadillac CTS and feature a variety of warnings to the driver to augment existing active safety technologies. New this year, V2I (vehicle-to-infrastructure) applications will demonstrate how cars communicate with the infrastructure around them including traffic lights and road signs.
- A single powerful computing platform integrates multiple displays and consolidates domains, including infotainment, cluster and functional safety, to deliver a premium user experience with rich, smooth graphics.
- A centralized domain controller with satellite ADAS architecture enabling sensors that are up to 70 percent smaller for greater styling and packaging flexibility.
- Vehicle architectures with the bandwidth for OEMs to replace and upgrade systems ahead of consumer offerings with Over-the-Air (OTA) updates.

About Delphi

Delphi Automotive PLC (NYSE: DLPH) is a high-technology company that integrates safer, greener and more connected solutions for the automotive sector. Headquartered in Gillingham, U.K., Delphi operates technical centers, manufacturing sites and customer support services in 44 countries. Visit www.delphi.com.

About Mobileye

Mobileye N.V. (NYSE: MBLY) is the global leader in the development of computer vision and machine learning, data analysis, localization and mapping for Advanced Driver Assistance Systems and autonomous driving. Our technology keeps passengers safer on the roads, reduces the risks of traffic accidents, saves lives and has the potential to revolutionize the driving experience by enabling autonomous driving. Our proprietary software algorithms and EyeQ® chips perform detailed interpretations of the visual field in order to anticipate possible collisions with other vehicles, pedestrians, cyclists, animals, debris and other obstacles. Mobileye's products are also able to detect roadway markings such as lanes, road boundaries, barriers and similar items; identify and read traffic signs, directional signs and traffic lights; create a Roadbook™ of localized drivable paths and visual landmarks using REM™; and provide mapping for autonomous driving. Our products are or will be integrated into car models from 25 global automakers. Our products are also available in the aftermarket.

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