



## ZF and Mobileye Safety Technology Chosen by Toyota

- **New deal extends both companies' reach in advanced driver assistance solutions globally**

Friedrichshafen, Germany – ZF and Mobileye, an Intel company, have been chosen by Toyota Motor Corp. to develop Advanced Driver Assistance Systems (ADAS) for use in multiple vehicle platforms starting in the next few years. As part of the agreement, ZF, one of the world's number one producers of automotive cameras driven by Mobileye technology, will also supply its Gen21 mid-range radar and be responsible for the integration of camera and radar in Toyota vehicles.

"Mobileye is delighted to be working with ZF to develop leading driver assistance and safety technology for Toyota, the world's largest automaker," said Professor Amnon Shashua, senior vice president of Intel and president and CEO of Mobileye.

ZF and Mobileye continue to be a winning combination for the world's leading automakers because of their innovative approach to improving road safety with computer vision and machine learning-based sensing, localization, mapping, and best-in-class lateral vehicle control technology for systems such as lane keeping/lane centering. This new relationship with Toyota, marks the first time that ZF and Mobileye have been nominated with their ADAS systems for Toyota and significantly extends the reach of Mobileye and ZF safety technology to enhance safety and driver convenience functions on world roadways.

"ZF looks forward to working closely with Toyota and Mobileye to develop advanced safety systems designed to meet global safety regulations. Our innovative technologies will deliver outstanding performance and robustness for fusion based systems and ADAS functions," said Christophe Marnat, executive vice president, Electronics and ADAS division at ZF.



ZF and Mobileye will collaborate closely to produce advanced camera technology integrated with ZF radar technology to power key advanced driver assistance platforms in Toyota vehicles. Mobileye's EyeQ®4, one of the most advanced application-specific vision computing system-on-a-chip (SoC) currently available, will be combined with ZF's Gen21 mid-range radar technology to precisely interpret the environment around Toyota vehicles. Together, these technologies will help prevent and mitigate collisions while yielding best-in-class lateral and longitudinal vehicle control.

ZF's Gen21 mid-range radar is a high-performance 77GHz front radar designed to meet 2022+ Euro NCAP 5-Star Safety Ratings and enable L2/L2+ Automated Driving functions. It is scalable to vehicle manufacturer needs and offers both a wide field of view at low speeds to assist in pedestrian detection to support systems like automatic emergency braking (AEB) and a longer detection range at high speeds for systems like adaptive cruise control.

Captions:

1. (01\_ZF\_Christophe Marnat):  
Christophe Marnat, Executive Vice President, ZF Electronics and Advanced Driver Assist Systems Division
2. Image 2 (02\_ZF\_Mobileye):  
ZF and Mobileye will deliver advanced functions to a range of Toyota vehicles
3. Image 3 (03\_ZF\_Toyota\_Mobileye):  
Toyota, ZF and Mobileye are working together on advanced ADAS technologies to deliver advanced safety

Images: ZF

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**About ZF**

ZF is a global technology company supplying systems for passenger cars, commercial vehicles and industrial technology, enabling the next generation of mobility. ZF allows vehicles to see, think and act. In the four technology domains of Vehicle Motion Control, Integrated Safety, Automated Driving, and Electric Mobility, ZF offers comprehensive product and software solutions for established vehicle manufacturers and newly emerging transport and mobility service providers. ZF electrifies a wide range of vehicle types. With its products, the company contributes to reducing emissions, protecting the climate and enhancing safe mobility.

In fiscal year 2020 ZF reported sales of €32.6 billion. The company employs more than 150,000 associates at approximately 270 locations in 42 countries.

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