Mobileye, Transdev ATS and Lohr Group to Develop AV Shuttles

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What's New: Mobileye, an Intel Company; Transdev Autonomous Transport System (ATS), part of Transdev Group dedicated to autonomous mobility solutions; and Lohr Group, a mobility solutions manufacturer, have formed a strategic collaboration to develop and deploy autonomous shuttles. The companies are integrating Mobileye's self-driving system into the i-Cristal electric shuttle, manufactured by Lohr Group, with plans to integrate it into public transportation services across the globe, starting in Europe.

> *"Our collaboration with Transdev ATS and Lohr Group serves to grow Mobileye's global footprint as the autonomous vehicle (AV) technology partner of choice for pioneers in the transportation industry."*
>
> *–Johann Jungwirth, vice president of Mobility-as-a-Service at Mobileye*

Why It Matters: By integrating the autonomous i-Cristal shuttle into Transdev's existing mobility service networks, the companies aim to improve the efficiency and convenience of mass transportation solutions. Autonomous mobility can be woven into the fabric of transportation networks to distribute service when and where it's needed, while also optimizing the fleets, lowering transportation costs and improving customer experiences.

How It Works: Over the next year, Mobileye will work with Transdev ATS and Lohr Group to integrate and deploy i-Cristal autonomous shuttles leveraging Mobileye's AV technology, Transdev ATS's technology and Lohr Group's industrial expertise. The three companies will initially test vehicles on roadways in France and Israel, aiming to ready technology designs for production by 2022. The companies expect to deploy the self-driving i-Cristal shuttles in public transportation networks by 2023.

More About Mobileye's Self-Driving System: Mobileye's self-driving system is a turnkey AV solution that delivers safety via two core concepts: Mobileye's formal Responsibility-Sensitive Safety model for the safety of the system's decision-making, and a perception system featuring True Redundancy™ whereby two independent subsystems (cameras and radars+lidars) combine to enable robust perception. The self-driving system can also be deployed without geographical limitation thanks to Mobileye's Road Experience Management™ AV mapping technology through which a proprietary, crowdsourced AV map of the global road network is created and then continuously and automatically updated using data gathered from mass-market advanced driver-assistance systems.

About Mobileye

Mobileye is the global leader in the development of computer vision and machine learning, data analysis, localization and mapping for advanced driver-assistance systems and automated driving. Mobileye's technology helps keep people safer on the road, reduces the risks of traffic accidents, saves lives and aims to revolutionize the driving experience by enabling autonomous driving. Mobileye's 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.

About Transdev ATS

Transdev ATS is integrator of autonomous transport systems, including AV Supervision, autonomous vehicles and connected infrastructure. Transdev ATS also provides technologies and services to local operators and cities for autonomous mobility services day-to-day operations on a large scale. Transdev ATS is part of Transdev Group.

As an operator and global integrator of mobility, Transdev – The mobility company – gives people the freedom to move whenever and however they choose. We are proud to provide 11 million passenger trips everyday thanks to efficient, easy to use and environmentally friendly transportation services that connect people and communities. Our approach is rooted in long-term partnerships with businesses and public authorities, and in the relentless pursuit of the safest and most innovative mobility solutions. We are a team of people serving people, and mobility is what we do. Transdev is jointly held by Caisse des Dépôts Group (66%) and the Rethmann Group (34%). In 2019, with 85,000 employees in 18 countries, the Group generated total revenues of 7.4 billion euros. For more information: www.transdev.com.

About Lohr Group

Lohr Group is a mobility solution manufacturer designing, building and selling passenger and cargo transportation systems. Today its global industrial presence includes six factories on three continents, 2,000 employees and one R&D hub. Lohr maintains its position as the global leader in mixed vehicle carriers. It is also developing business in rail transport, and leads projects promoting sustainable mobility.