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SMK Corporation

SMK and CAARESYS Announce Collaboration on the Passenger Monitoring Technology

SMK Corporation (President, CEO and COO: Yasumitsu Ikeda) and Israeli company CAARESYS LTD. (CEO: Ilya Slouchsh) announced a business partnership in developing automotive occupancy detection sensor and biometric sensor.

By this collaboration, SMK and CAARESYS are going to develop the world's first sensors that enable highly accurate sensing without being affected by vibrations even in the driving environment and that brings the following new features to be compatible with the new standards of safety in future vehicles.

1. Seatbelt reminder and child presence detection system using contactless occupancy detection sensor which detects human's respiration rate and heart rate.
2. High accuracy driver or passenger monitoring system using contactless biometric sensor which measures heart rate, respiration rate, and heart rate variability.

SMK is proactively working on open innovation to promote new technological development to contribute to the evolution of vehicles. The company has been focusing on the development of the in-cabin sensors that will be essential for autonomous vehicles (e.g., camera modules for driver monitoring systems). SMK is aiming to work on the cutting edge technological development and to further expand their product lineup through this business partnership.



About CAARESYS

CAARESYS is an Israeli startup company that has strengths in automotive specialized micro-radar. CAARESYS possesses technology to construct sensors that enable highly accurate sensing even in the driving environment by using low-cost general-purpose parts.

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