# Trend Micro and MIH Consortium Lay the Safety Foundation for Electric Vehicles

**Jointly create the most innovative Open EV Platform (EVKit) based on Secure by Design**

**DALLAS, October 20, 2021** – Trend Micro Incorporated (TYO: 4704; TSE: 4704), a global cybersecurity leader, today announced the partnership with MIH Consortium initiated by Foxconn Technology Group,

jointly deploy the world's first safety-based developer tool platform to be included in the "EVKit" for electric vehicles taking into account safety and cybersecurity.

The future trend of electric vehicles is to provide innovative and personalized driving experiences through software-defined vehicles (SDV), artificial intelligence, big data, and connectivity. The collaboration between Trend Micro and MIH, combining Trend Micro's global expertise in vehicle cybersecurity, is the first development and implementation of EVKit's security framework and interface based on the Secure by Design concept. In addition to providing a secure software implementation environment with data safely transmitted and stored, a development environment that is convenient, safe, and with an authentication mechanism is provided on the EVKit.

"To shorten the development cycle and lower entry barrier, MIH is creating an Open EV Platform for the Software-Defined Vehicles future. The Open EV Platform (EVKit) consists of hardware and software covering the full lifecycle of EV development, testing, and deployment. It also enables the creation of an Open EV marketplace," said William Wei, CTO at MIH. "Trend Micro is one of the most important partners to MIH when it comes to vehicle security. With their deep security knowledge, MIH can define a common security framework for electric vehicles. The framework supports in-vehicle network intrusion detection, system protection, and threat defender from the internet. Our partnership provides a unified interface for global security players to participate in the ecosystem easily and attract more developers."

Max Cheng, Executive Vice President of Core Technology and CIO at Trend Micro commented, "When there are opportunities, there are most likely threats. Therefore, cybersecurity has become one of the most critical elements of connected cars. However, the cybersecurity solution has known to be a separate add-on software in the traditional automobile industry is not the most effective method. The most effective way to solve the cybersecurity of connected cars is to adopt a development platform with Secure by Design as the design basis and cybersecurity protection mechanism on the software architecture to improve future automobiles' security effectively. To provide a safe and secure Open EV Platform, Trend Micro has also established a specialized automotive cybersecurity team to work with MIH jointly to provide EVKit with the state of the art security architecture."

Based on Secure by Design, Trend Micro and MIH construct and design the in-vehicle security software architecture for the EVKit, including:

- Assisting in EVKit's security architecture and interface development to provide a secure vehicle software runtime environment, protect vehicle-to-cloud data transmission, secure data access, and identity authentication.
- Providing big data management and access and storage functions with identity authentication on the cloud. Automakers can easily build AI, and big data applications such as remote monitoring, predicted maintenance, and VSOC.
- Providing an interface to EVKit's information security function, OEM and third-party can integrate applications into this open platform for effortless compliance with various country's automotive

cybersecurity regulations.

- Developing and providing a full-vehicle secure firmware Over The Air (FOTA) engine which comply with cybersecurity regulations.
- Providing proactive software security protection mechanisms on EVKit such as intrusion detection system (IDS), AI-based anomaly detection, and abnormal communication detection.

**About MIH**

MIH Consortium is creating an open EV ecosystem that promotes collaboration in the mobility industry. Our mission is to realize key technologies, develop reference designs and standards, while we bridge the gap for alliance members resulting in a lower barrier to entry, accelerated innovation, and shorter development cycles. Our goal is to bring together strategic partners to create innovative solutions for the next generation of EV, autonomous driving, and mobility service applications. https://www.mih-ev.org

**About Trend Micro**

Trend Micro, a global cybersecurity leader, helps make the world safe for exchanging digital information. Fueled by decades of security expertise, global threat research, and continuous innovation, Trend Micro's cybersecurity platform protects hundreds of thousands of organizations and millions of individuals across clouds, networks, devices, and endpoints. As a leader in cloud and enterprise cybersecurity, the platform delivers a powerful range of advanced threat defense techniques optimized for environments like AWS, Microsoft, and Google, and central visibility for better, faster detection and response. With 7,000 employees across 65 countries, Trend Micro enables organizations to simplify and secure their connected world. www.TrendMicro.com.

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