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Karamba Security and STMicroelectronics Announce Efforts to Strengthen Security Protections for Automotive Telematics

Karamba Carwall adds another layer of protection to ST Telemaco3P Processor

Bloomfield Hills, Michigan and Geneva, Switzerland – October 29, 2018 – Karamba Security, a world-leading provider of automotive cybersecurity, and STMicroelectronics (NYSE: STM), a global semiconductor leader serving customers across the spectrum of electronics applications, today announced the integration of Karamba's Carwall end-to-end protection on ST Telemaco3P STA1385 Automotive Telematics and Connectivity Processor.

Together, ST and Karamba are leveraging the security architecture of the Telemaco3P with the addition of Carwall Electronic Control Unit (ECU) hardening software. This combined solution provides best-in-class cybersecurity features for both contents and run-time integrity verification by detecting attempts at modifications and preventing deviations from the ECU's intended behavior. Karamba Security's deterministic approach has shown to prevent vehicle cyberattacks with zero false positives.

"STMicroelectronics is a leading provider in the connected-car ecosystem," said Ami Dotan, Karamba Security's co-founder and CEO. *"We are pleased to collaborate to protect automotive systems based on ST's Telemaco3P microprocessor by automatically hardening them against cyberattacks to assure consumer safety."*

"Karamba Security's differentiated cyber-prevention solutions have generated significant market traction in a very short time and are a strong fit to enhance the security and value of ST's Telemaco3P architectures," said Antonio Radaelli, Director Infotainment, Automotive Digital Division, STMicroelectronics. *"Karamba's Carwall adds another layer of security to the Telemaco3P benefits, which include its state-of-the-art power-efficient design, fast connectivity interfaces, domain isolation, and embedded Hardware Security Module. The combination provides customers with even stronger cybersecurity protection for in-vehicle systems."*

For more information, visit STMicroelectronics' booth at Electronica Munich on November 13-16, 2018 in C3 Stand 101, where ST and Karamba will be available to discuss this joint security solution.

About STMicroelectronics
ST is a global semiconductor leader delivering intelligent and energy-efficient products and solutions that power the electronics at the heart of everyday life. ST's products are found everywhere today, and together with our customers, we are enabling smarter driving and smarter factories, cities and homes, along with the next generation of mobile and Internet of Things devices.

By getting more from technology to get more from life, ST stands for life.augmented. In 2017, the Company's net revenues were $8.35 billion, serving more than 100,000 customers worldwide. Further information can be found at www.st.com.

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About Karamba Security
Karamba Security provides industry-leading automotive cybersecurity solutions for autonomous and connected cars. Its autonomous security software products, including Carwall and SafeCAN, provide end-to-end in-vehicle cybersecurity for the ECU and the internal messaging bus. Karamba Security's award-winning solutions prevent zero-day cyberattacks with zero false positives and secure communications with negligible performance impact and seamless integration into the car software. Karamba, with headquarters in Michigan USA is engaged with 17 OEM and tier-1 customers and received numerous industry awards. More information is available at www.karambasecurity.com.

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