Karamba Security Joins Automotive Grade Linux Project
to Help Advance Cybersecurity Best Practices

*Assaf Harel, Karamba Security's chief technology officer, will serve on
the AGL App Framework & Security Expert Group*

ANN ARBOR, Michigan and HOD HASHARON, Israel — August 2, 2017 –[Karamba Security](#), a provider of cybersecurity solutions for connected and autonomous vehicles, today announced that it has joined the Automotive Grade Linux (AGL) Project and The Linux Foundation to help develop its cybersecurity best practices.

The AGL initiative is the only collaborative open source project that plans to address all in-vehicle software, including functional safety and autonomous driving, in its effort to build a Linux-based, open software platform for automotive applications that can serve as the de facto industry standard. The project is hosted at The Linux Foundation, a nonprofit that spurs innovation through open source by assembling the world's top developers and firms to build ecosystems that accelerate open technology development and commercial adoption.

Assaf Harel, Karamba Security's chief technology officer, will serve on the AGL App Framework & Security Expert Group to help with developing, guiding and influencing cybersecurity best practices.

"As a technology solutions provider for hardening connected and autonomous cars against hacks, we are committed to further developing software for self-driving vehicles that is safe from attack by threat actors," Harel said. "AGL provides a forum to collaborate and contribute toward making the software for all vehicles secure from external threats and protecting the lives of drivers and passengers."

AGL Project goals include:
- Building a single platform for the entire industry
- Developing 70-80 percent of the starting point for a production project
- Reducing fragmentation by combining the best of open source
- Developing an ecosystem of developers, suppliers and expertise using the single platform

"We look forward to working with Karamba Security to enhance AGL's cybersecurity best practices, given Karamba's expertise in protecting autonomous and connected vehicles from cyberattacks," said Dan Cauchy, executive director of Automotive Grade Linux. "AGL is making significant progress across the automotive industry, and security is an important component as we expand infotainment to other vehicle functions such as telematics and advanced driver assistance systems."

Industry researchers estimate that the software for premium connected and autonomous vehicles' electronic control units (ECUs) contains up to 65,000 bugs – including 5,000 security defects. These bugs potentially allow malicious hackers to take over the ECU, which is connected to the internet and external networks, and manipulate critical components such as steering and brakes.

The best way to protect those externally connected controllers is to ensure that only factory settings are allowed to run on them. There are now open source and commercial technologies that can be used by car makers and system providers to allow only the code and applications that were approved in the factory to run on the controller.

Karamba's Autonomous Security software seamlessly protects connected and autonomous cars by hardening ECUs based on their factory settings. This is the industry's first prevention solution with zero false positives, because it blocks hacking attempts from executing as they would deviate from the car's factory settings.

Resources
[Autonomous Security](#)
[Karamba Security Approach](#)
[Karamba Security FAQ](#)

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About Karamba Security
Karamba Security provides industry-leading autonomous cybersecurity solutions for connected and autonomous vehicles. Karamba's software products automatically harden the ECUs of connected and autonomous cars, preventing hackers from manipulating and compromising those ECUs and hacking into the car. Karamba's Autonomous Security prevents cyberattacks with zero false positives, no connectivity requirements and negligible performance impact. In one year, Karamba has received a total investment of $17 million. The company has been recognized in 2017 with TU-Automotive's Best Cybersecurity Product/Service and the North American Frost & Sullivan Award for Automotive New Product Innovation. More information is available at www.karambasecurity.com.

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