

Enigmatos exec summary for DT-ART-05-2020 & DT-ART-06-2020

Based on Israel, Enigmatos focuses on protecting vehicles and fleets from any malicious cyber activity as well as offering valuable insights on the vehicle's operational efficiency and safety.

Our solution



Enigmatos is the first to extract a vehicle's unique digital profile without the need for any prior information about the vehicle. Its Deep Car Identity Profiling technology, analyses the exact signature of every message on the vehicle's communication network, any computer on the network and identifies the vehicle's unique topology.

We protect the vehicle by allowing only valid and legal changes to the vehicle's profile. - Anomalies are instantaneously detected, analysed and communicated to the fleet/SOC operator. Enigmatos' solution offers 100% visibility into the vehicle's communication network as well as a fleet wide view, accurately detects the origin of each attack, protects existing and future vehicles and can be smoothly integrated with various vehicle architectures.

Additional services

SOC offering

One of the current challenges of traditional SOC providers is in transforming classic IT security SOC into automotive SOC.

Enigmatos offers its partner the ability to monitor vehicles 24/7, upload all the data to the cloud and analyze any cybersecurity event. The information is then provided to the SOC. In addition, Enigmatos can offer a recovery service for compromised vehicles.

Test bed & pen testing services

Enigmatos is able to evaluate the security of any required system, its interfaces and possible deployment environments in order to assess risks and vulnerabilities of the product and issue a set of recommendations to secure the product. Based on this work Enigmatos is able to deliver customized automated test bed.

Enigmatos customers and partners

Customers: Enigmatos has secured two customers: Pelephone, a leading Israeli mobile operator and Orpak, a global innovator in automatic fueling systems (from Gilbarco Veeder Root group). Also, Enigmatos is in the process of a soft launch with 4 fleets, was selected in October 2019 by the international cyber company Kaspersky to develop a joint offering for the automotive market (for more details - <http://bit.ly/31I8jnV>) and runs more than 13 POC's and other engagements with OEM's, Tier 1 & 2 suppliers and fleets worldwide (Enigmatos collaborates with one of the largest Israeli emergency services on protecting their vehicles; on our collaboration with the Renault Nissan Alliance Innovation lab see - <http://bit.ly/2Gn92TY>).

Patents: Enigmatos has 1 provisional patent and applied for 8 patents (in the US, Canada & IL) following a positive review during PCT phase.



Enigmatos part in DT-ART-05-2020 & DT-ART-062020

Enigmatos cyber security solution is focused on serving the needs of fleets, mainly their current and future connected and automated driving systems. We believe cyber solution is mandatory to ensure the operational efficiency, safety and security of heavy commercial vehicles and for the deployment of innovative connected and automated freight transport solutions.

Enigmatos is able to provide a solution to protect automated driving systems (and its connectivity points) to avoid any (conscious) manipulations of the information enabling automated driving functions and to assure confidentiality, availability and integrity of data. Enigmatos solution includes the ability to protect the information collected by the automated vehicles and the external data transferred to the vehicles. In addition, Enigmatos is able to provide support to the development of testing and validation procedures of connected and automated driving functions, including their performance related to cyber-security.

The Team

It's a complex challenge and Enigmatos gathered a team of specialists that have addressed the problem from every conceivable angle – automotive, cyber, electronic warfare and Machine learning experts, led by an experienced execution driven leadership team headed by **Major General (Res.) Ami Shafran** (President), the former Head of the C4I Corps in the Israeli Army, **Eyal Kamir**, CEO, an accomplished entrepreneur in the automotive industry, **Alexander Fok**, CTO, who brings more than 20 years of cyber expertise in leading companies like Verint and Checkpoint, **Orit Fredkof**, VP Business Development, a seasoned executive and a veteran of the internet, mobile and telecom industries and **Ralph Diamond**, Director of Engineering, with extensive experience in the automotive industry in the UK & Israel and a former Technical Manager for Porsche, Suzuki, and Chrysler in Israel.

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