

# PROFESSIONAL SERVICES

## Curated Cyber-Services

### THE PROBLEM

Automotive manufacturers and suppliers may not have the resources, capabilities or need to maintain a permanent, in-house security operations center.

#### Common Challenges

- Scarcity of specialized skills and human resources
- Maintaining a 24/7 security operations center

### THE SOLUTION

Arilou's **Professional Services** is a modular suite of carefully curated cyber-services, representing the very best in 3rd-party cybersecurity solutions.

#### Available Services

- Threat Analysis ▪ Penetration Testing ▪ Risk Assessment ▪ Vehicle Security Operations Center (VSOC)

#### Service Benefits

**Professional Services** Threat Analysis and Risk Assessment (TARA)

Risk probability	RISK SEVERITY				
	Catastrophic A	Hazardous B	Major C	Minor D	Negligible E
Frequent 5	6A	5B	5C	5D	5E
Occasional 4	4A	4B	4C	4D	4E
Remote 3	3A	3B	3C	3D	3E
Improbable 2	2A	2B	2C	2D	2E
Extremely improbable 1	1A	1B	1C	1D	1E

- **Assess and analyse** current and planned automotive cybersecurity posture
- **Document** risks, vulnerabilities, exposures, predicted attack vectors and kill chains.

- **Optimized Planning** for risk reduction using improved cybersecurity:
  - Architectures
  - Design
  - Components
  - Intrusion detection/prevention
  - Endpoint protection
  - Cloud security

### **Professional Services** Managed Vehicle Security Operations Center (VSOC)

- **VSOC as a service** for incident response and recovery
- **24/7 VSOC** manned by experienced experts
- **Digital Forensics** executed by experienced, professional analysts
- **Analysis** of events reported by a vehicle's IDS to the security information and event management (SIEM) system
- **Analysis of Event Nature**
  - Identify attacker intentions
  - Attack scenarios
  - Determine required actions
  - Deny additional infliction of damage
  - Delay harm to vehicles
  - Defend the vehicle fleet
- **Contain, isolate, remove, and prevent** using a prioritized mitigation plan

## **ABOUT ARILOU:**

**Arilou Automotive Cybersecurity**, part of NNG Group, believes in an automotive future secured against cyber-attack. A leading provider of pioneering cybersecurity solutions for the automotive industry, Arilou was the first to introduce CAN (**Sentinel-CAN**, **Sentinel-TRK**) and automotive Ethernet (**Sentinel-ETH**) in-vehicle network security.

Winner of **Frost & Sullivan's** 2019 Technology Innovation award, and independently tested by **UMTRI**, with perfect results, Arilou's **Sentinel-CAN** software intrusion detection and prevention system and **Sentinel-PHY** electronic fingerprint authentication offer supreme detection and prevention rates with zero false alarms.

With its holistic approach and low-cost multi-layered solutions, **Arilou** is making full protection for vehicles a reality.

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