

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 D
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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