



AI-BASED CYBERSECURITY

FOR CAN & IP COMMUNICATION IN EXISTING VEHICLE ENVIRONMENTS

European Security ...

25

Years of Swedish Innovation

200,000

Product Deployments World-Wide

50m+

End Customers Protected

30+

Tier 1 Deployments

96%

Retention Rate

59

Net Promoter Score



You Can Trust



Security By Sweden.

- **#NoBackDoors**
- World-class protection from the **independent alternative**
- **Quality & robustness** part of our **DNA**
- Focused on **customer satisfaction**



CLAVISTER®



**Can your vehicle
withstand a
Cyberattack?**

Engine control

Navigation

Sensors

Communication

Video cameras

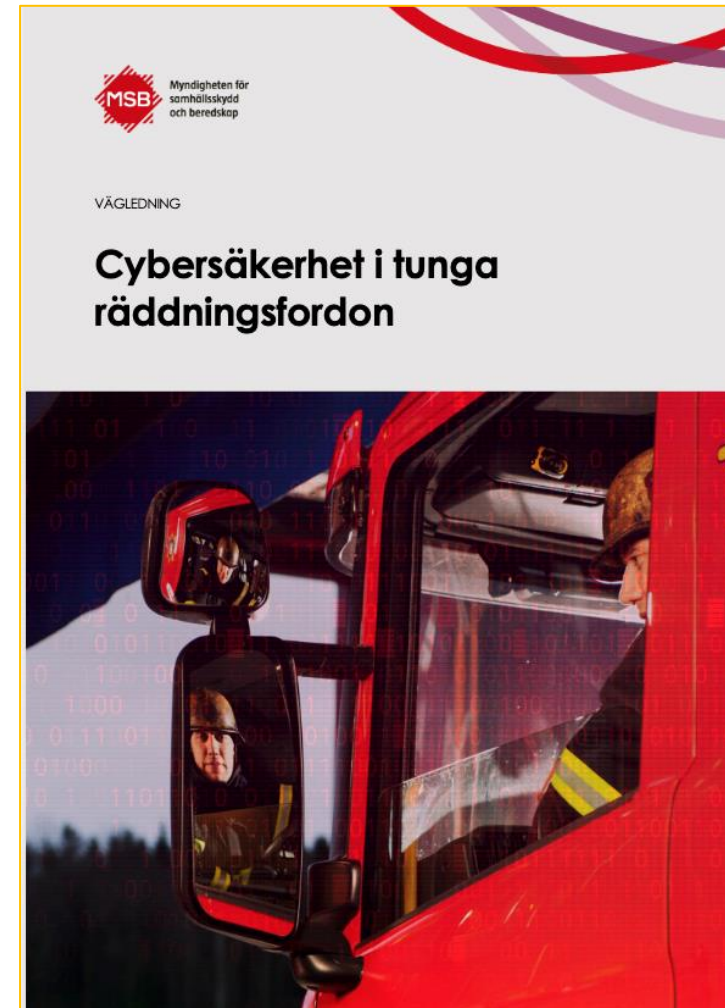


Vehicles and Industry 4.0

- CAN bus very common
- 775 million cars connected by 2023
- 70% of all new trucks can be connected
- EU regulation for Cybersecurity
- Industry 4.0



European and national recommendations on Cybersecurity



Project Purpose

Validate a concept to show that it is possible to equip connected vehicles with efficient systems for detection of cyberattacks, using modern scientific and data driven techniques.



Achieved goals

1. Base method verification with real vehicle data in a simulated environment.
2. Crafted multiple attack scenarios in the real vehicle data and verified that the method successfully detected attacks.
3. Validated a proof-of-concept deployment in a real vehicle, modified to enable initiation of attacks, and demonstrated successful detection of attacks.
4. Reduced compute resource requirements for AI model training and inference, enabling both training and inference directly in a vehicle environment.

Proof of Concept – Prove that our technology works for you

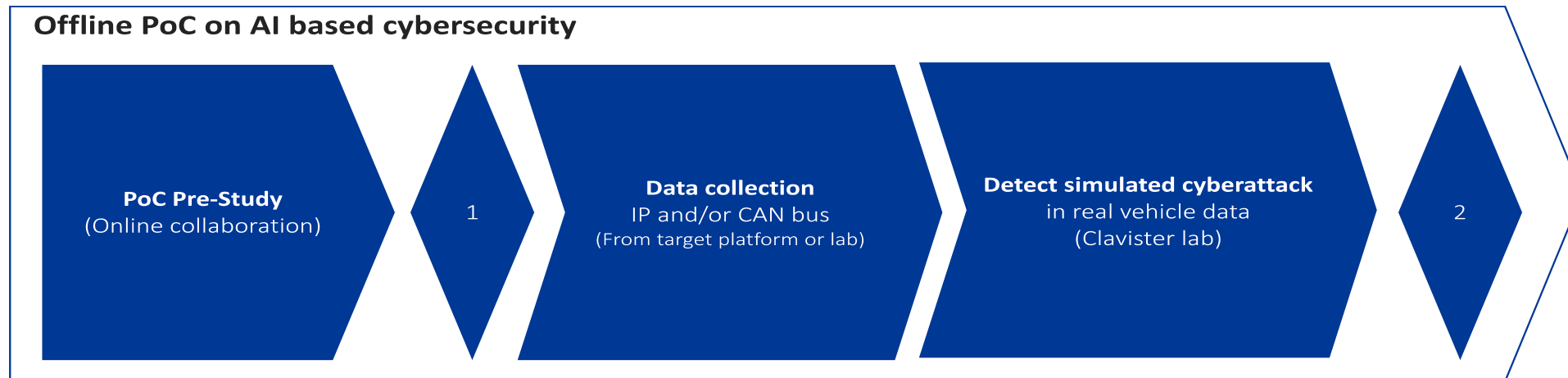
Get to the next step

Deepened technical discussions

Low effort

Cost effective

Easy PoC explained from Data collection to delivery of DEMO

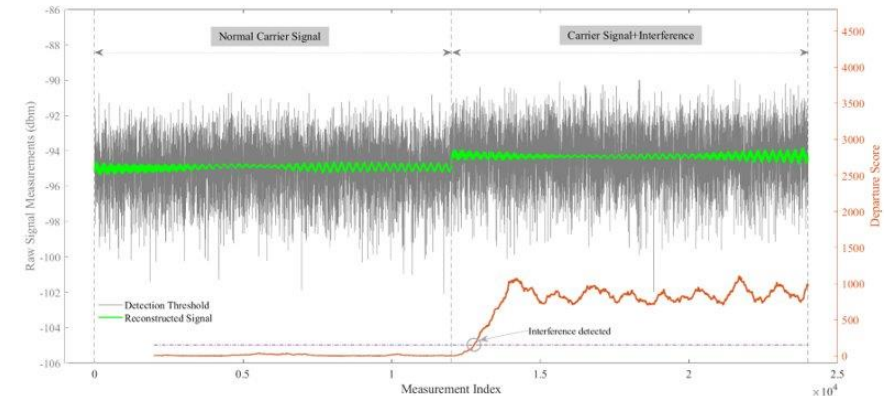


CYBERSECURITY™
MADE IN EUROPE



Example spin-offs of the resulting AI technology

- **Clavister NetWall Integration**
 - Anomaly detection in Clavister NetWall product line.
- **FMV TechDay Rymd**
 - Monitor radio spectrum to detect disturbance of satellite communication.
- **AI-NET-PROTECT: Optical fiber eavesdropping detection**
 - Collaboration with FMV on detection of eavesdropping attempts on optical fiber connections.
- **CISSAN Research Project**
 - AI-based cybersecurity for power grids.



CLAVISTER

technova

ARCTOS LABS



ADD:SECURE

Savantic



BLUE SCIENCE PARK



AFFÄRS VERKEN