A large suspension bridge with two tall, dark towers and numerous white cables, spanning a wide body of water. The scene is set in winter, with snow-covered evergreen trees in the foreground and a clear blue sky. The bridge is the central focus, extending from the right side of the frame towards the left. The water is calm, and the overall atmosphere is serene and clear.

AI-based cybersecurity for CAN and IP
communication in existing vehicle environment



**Can your vehicle
withstand a
Cyberattack?**

Engine control

Navigation

Sensors

Communication

Video cameras

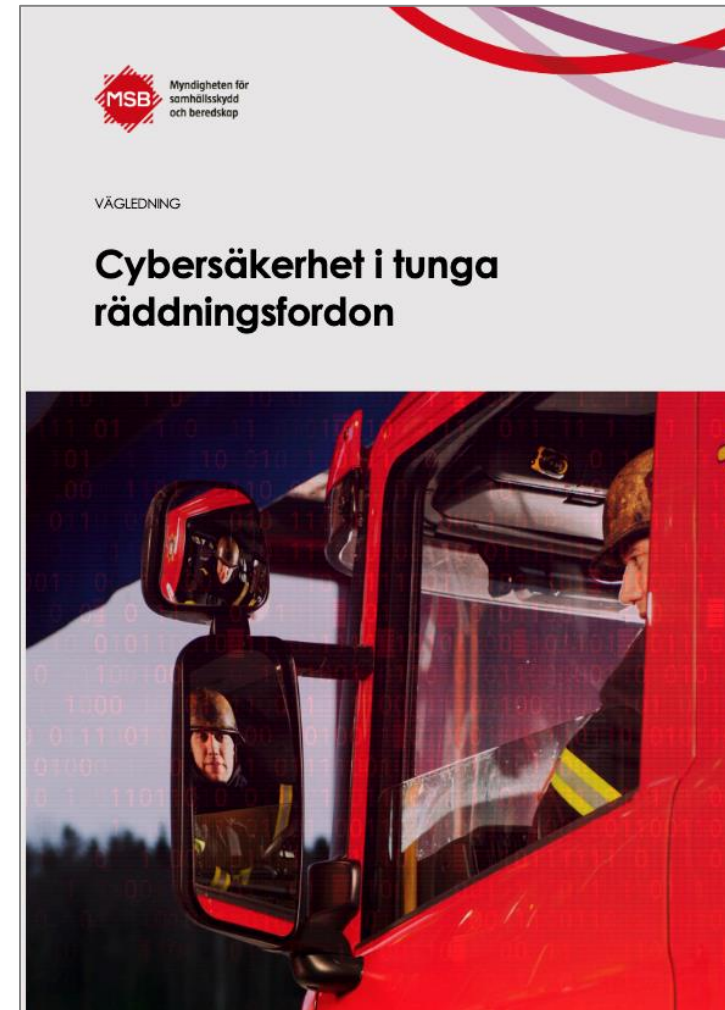


Vehicles and Industry 4.0

- 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



CLAVISTER®
CONNECT . PROTECT

bron.

BAE SYSTEMS

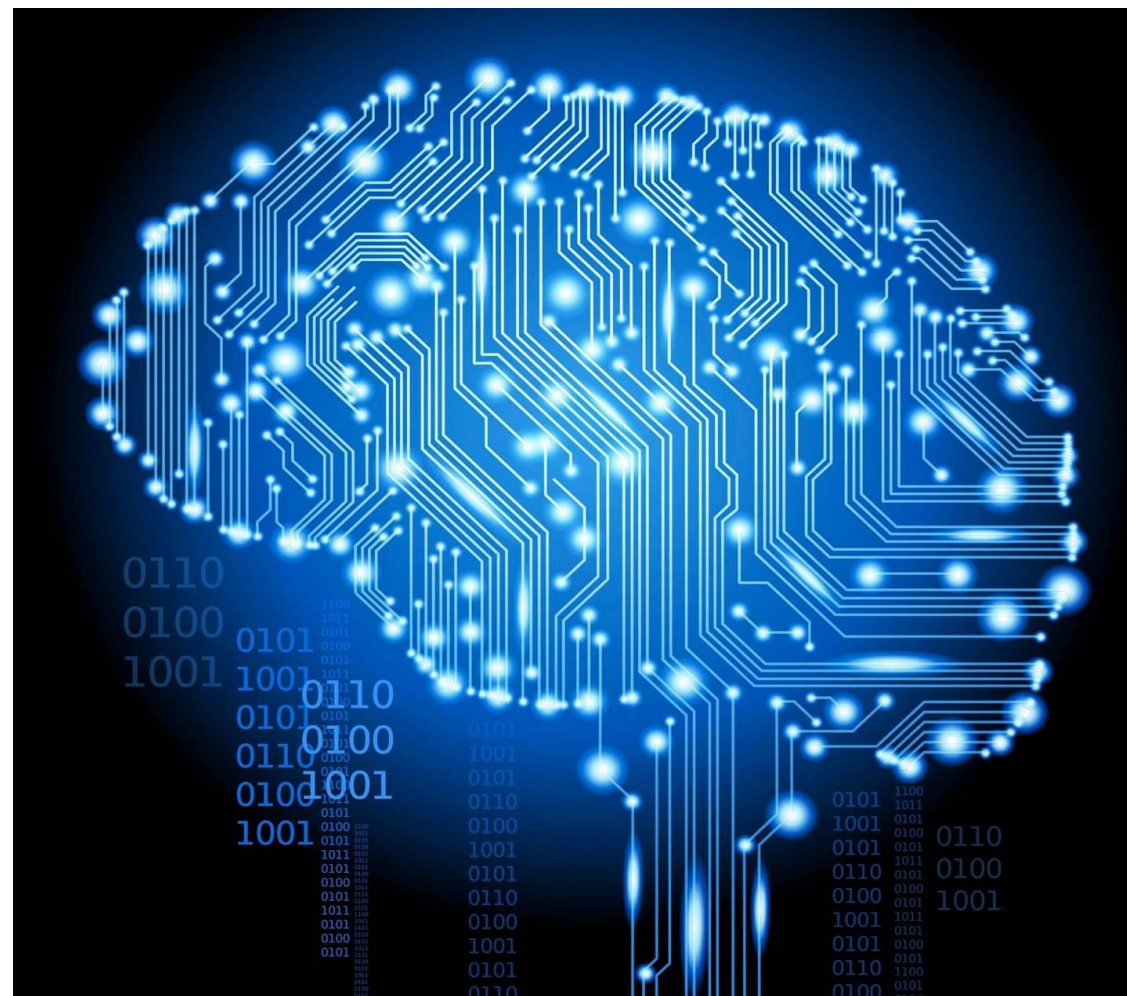
Project Purpose

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 Project Milestones

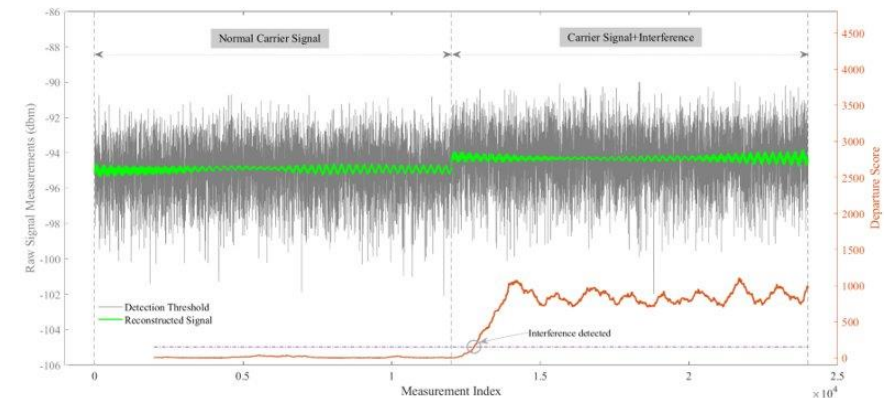
1. Base method verification with real vehicle data in a simulated environment
2. Prove attack detection capabilities within the simulated environment
3. Validated a proof-of-concept deployment in a real vehicle
4. Reduced compute resource requirements for AI model deployment





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.



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ADD:SECURE

Savantic

BLUE SCIENCE PARK

AFFÄRS VERKEN

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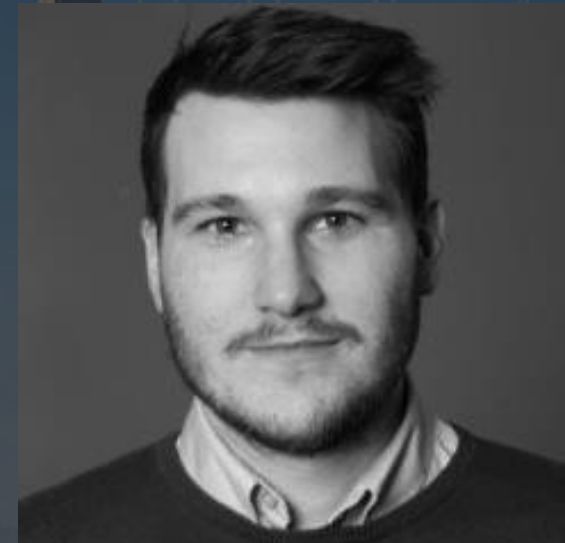
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Visit our booth for a demo!

Thank you!