

# Solution portfolio



## Design security

Consulting, engineering, testing, and training



### Security consulting

- Security awareness, roadmap & strategy
- Security standardization & certification
- Security processes, organization & governance
- Incident response readiness check & compromise assessment
- Custom security consulting



### Security engineering

- Security risks & requirements
- Security concepts, architectures & design
- Security specifications & implementations
- Security reviews, adaptations & patches



### Security testing

- Functional security testing, vulnerability scans & fuzzing
- Penetration testing & code security audits
- Test automation & test management
- Security test consulting



### Security training

- Automotive security
- Secure product design & security risk analysis
- Security engineering (esp. ISO 21434, UN R155)
- Custom security trainings



### Product security organization framework (PROOF)

- Cybersecurity audit & readiness check
- Certified cybersecurity management system (CSMS)
- Consolidation of vehicle type approval (UNECE WP.29, ISO/SAE 21434)
- Software Update Management System (SUMS)

## Enable security

Products and solutions



### Defense-in-depth vehicle protection

#### CycurHSM

Automotive-qualified security stack for HSM

#### CycurLIB

Cryptographic library for embedded systems

#### CycurTLS

Transport layer security (TLS) for embedded platforms



### Secure V2X communication

#### CycurV2X-SDK

Secure V2X communication for embedded systems

#### CycurV2X-PKI

V2X security credential management system



### Intrusion detection & prevention solution (IDPS)

#### CycurIDS

Intrusion detection sensors for CAN and automotive Ethernet

#### CycurIDS-M / CycurIDS-R

Intrusion detection manager and reporter

#### CycurGATE

Automotive Ethernet firewall

#### CycurGUARD

Intrusion monitoring and analysis

## Manage security

Operation, monitoring and incident & response



### Managed PKI service

allows OEMs to maintain internal control over vital aspects of security such as certificate issuance, suspension, and revocation.



### Vehicle security operations center (VSOC)

acts as mission control, tracking anomalies and events in any aspect of a vehicle's operation.



### Threat intelligence and forensics

deliver evidence-based knowledge about existing or emerging menaces to induce informed decisions and responses.



### Incident response service

reduces response time and incident impact in case of a cyber attack and strengthens future resiliency.



### Vulnerability management

helps uncover flaws and enables OEMs to implement a proactive threat prevention strategy.

**escrypt**

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