Development of a Cybersecurity Plan for an ADAS/AD system and creation of Cybersecurity Record of Capability

FEV CONSULTING

CLIENT: AUTOMOTIVE SUPPLIER

BACKGROUND: The client wanted to understand the cybersecurity activities required along the product development process and create a Cybersecurity Record of Capability to demonstrate relevant competences to their customers

DELIVERABLES

- **Cybersecurity plan**
  - Conceptualization of required cybersecurity processes
  - Specification of required project dependent cybersecurity activities along the development process
  - Analysis of relevant standards and existing customer requirements
  - Developed to achieve process conformity with ISO 21434
  - Tailored to existing processes to allow seamless integration

- **Record of Capability**
  - Identification of more than 70 elements across 4 dimensions to support the customer's evaluation of supplier capability
  - Status quo assessment and gap analysis against industry standards (ISO 21434) and customer requirements

» BASED ON ISO 21434

CYBERSECURITY PLAN

Item Definition

Threat Analysis & Risk Assessment (TARA)

Cybersecurity Concept

Cybersecurity Requirements

SW/HW Implementation

Production, operation, maintenance & decommissioning

Approval of the release for post-development

Cybersecurity Validation, Pen Tests

Integration Test Cybersecurity

Developed to achieve process conformity

RECORD OF CAPABILITY

Cybersecurity Record of Capability

70+ Elements analyzed

1. Culture & Governance
2. Processes & Tools
3. Organization & Resources
4. Roles & Responsibilities