Organizational improvement and process definition for autonomous driving development center

CLIENT: PASSENGER CAR OEM

BACKGROUND: Client lacks capabilities for series development of highly automated driving functionalities. FEV was asked to support in organizational change.

DELIVERABLES

- PDP concept & process definition for AD development
  - Full process concept and work-flow description
  - From requirements definition to validation and release
  - Scaled agility for improved quality and time-2-market

- AD development competence assessment and specification
  - AD development role definition and headcount estimation
  - Software tool chain specification and description
  - Testing hardware & infrastructure requirement specification

- Organizational structure concept and implementation plan
  - Agile AD organizational structure (based on SAFe)
  - Implementation plan along the 5 dimensions: Organizational structure, processes, software, hardware and human resources

I **PDP concept** for AD development

II **AD competencies** for HR, SW & HW

III **Org structure** w/ roles & RASI

Processes

Product development

Organization

Competencies

37 KEY AD PROCESSES DEFINED AND SPECIFIED

23 KEY AD ROLES DETAILED & MAPPED

1 ORGANIZATION STRUCTURED

>500 FTES

>60 FEATURE TEAMS

>40 IMPLEMENTATION MEASRUES