

YOUR GLOBAL MOBILITY AND
INDUSTRY ENGINEERING EXPERTS



ZERO

PROTOTYPE LAB

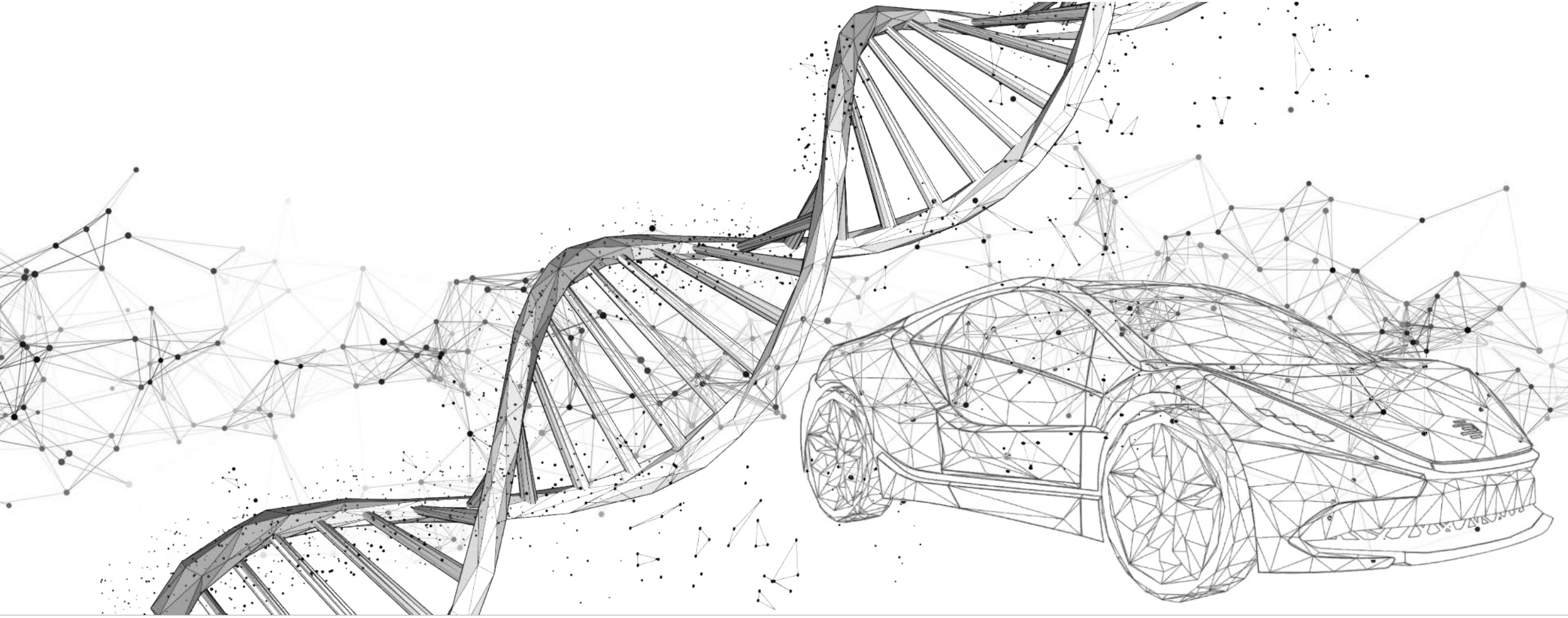
EDAG GROUP

ZERO PROTOTYPE LAB
FACING THE COMPLEXITY OF VEHICLE
ATTRIBUTE DEVELOPMENT

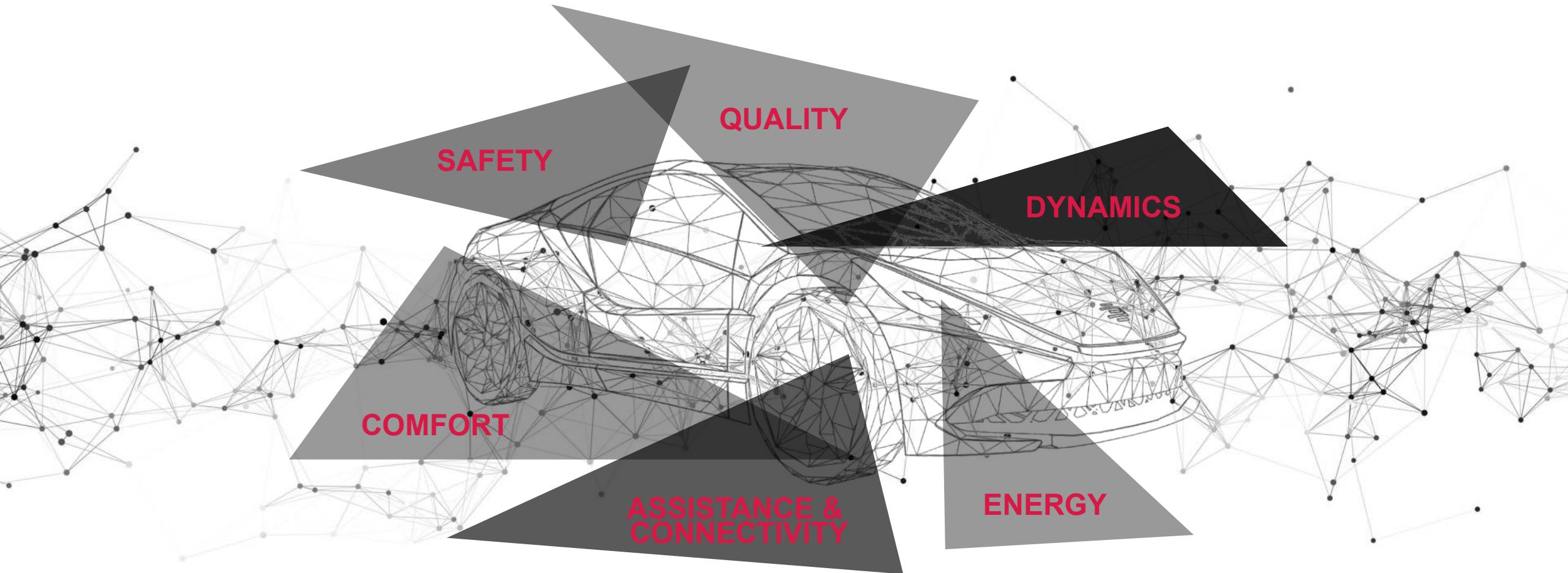
06/25/2024



ATTRIBUTE DEVELOPMENT DRIVER IMPRESSION



ATTRIBUTE DEVELOPMENT DRIVER IMPRESSION



ATTRIBUTE DEVELOPMENT DRIVER IMPRESSION

Customer Satisfaction

Dynamic Attribute



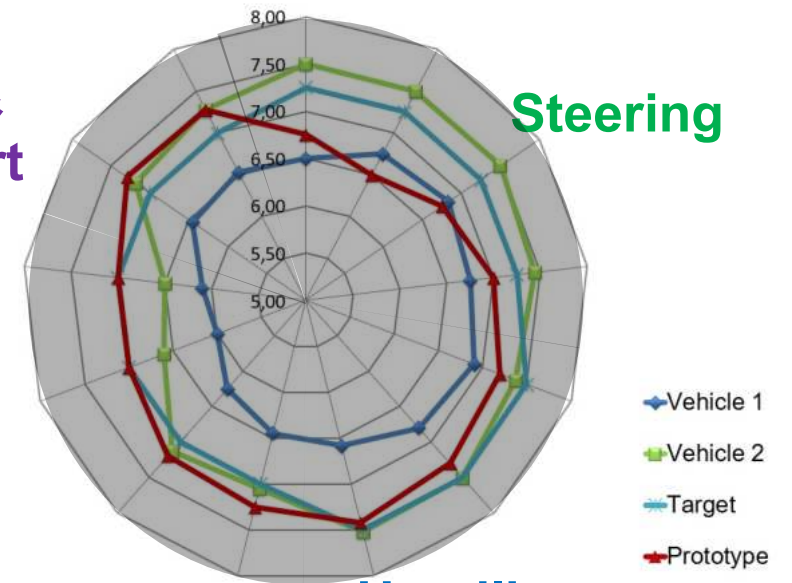
Attribute Overview

Ride & Comfort

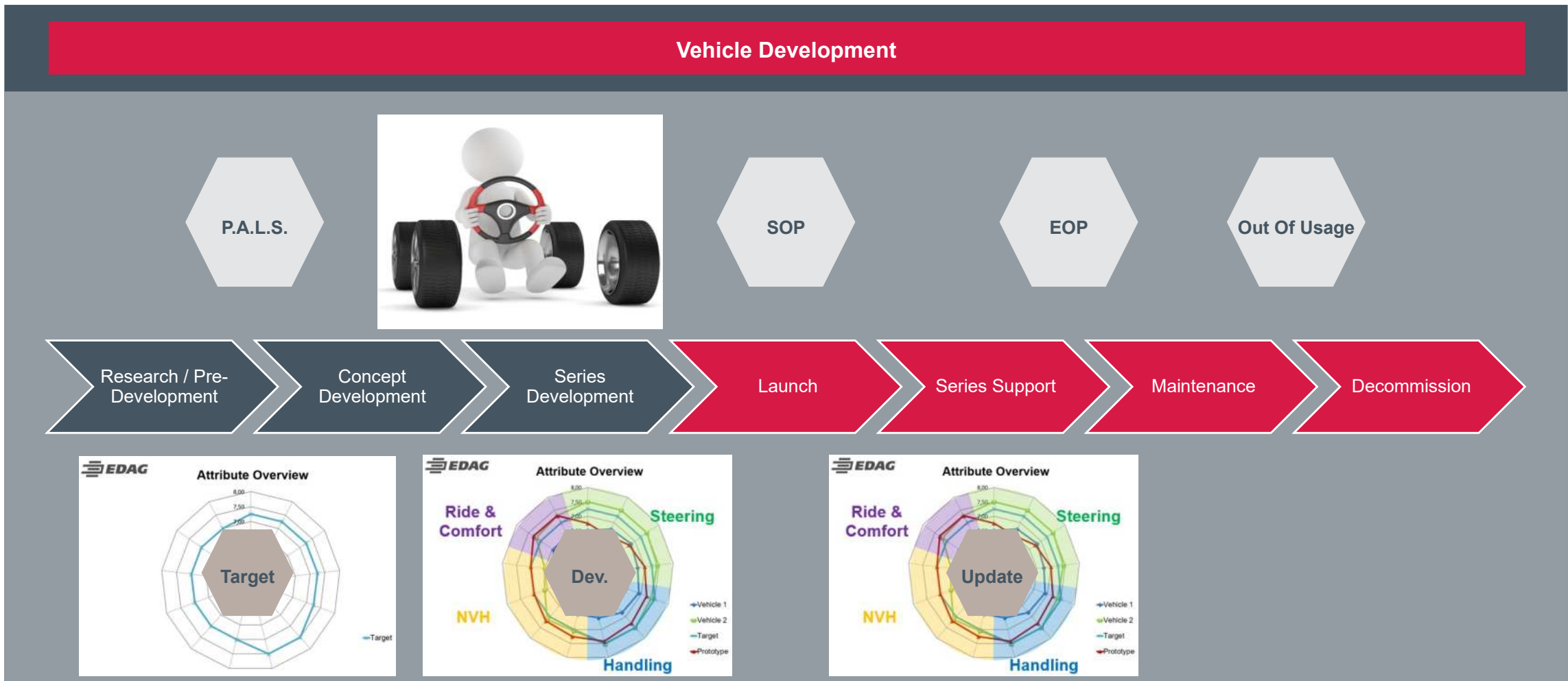
Steering

NVH

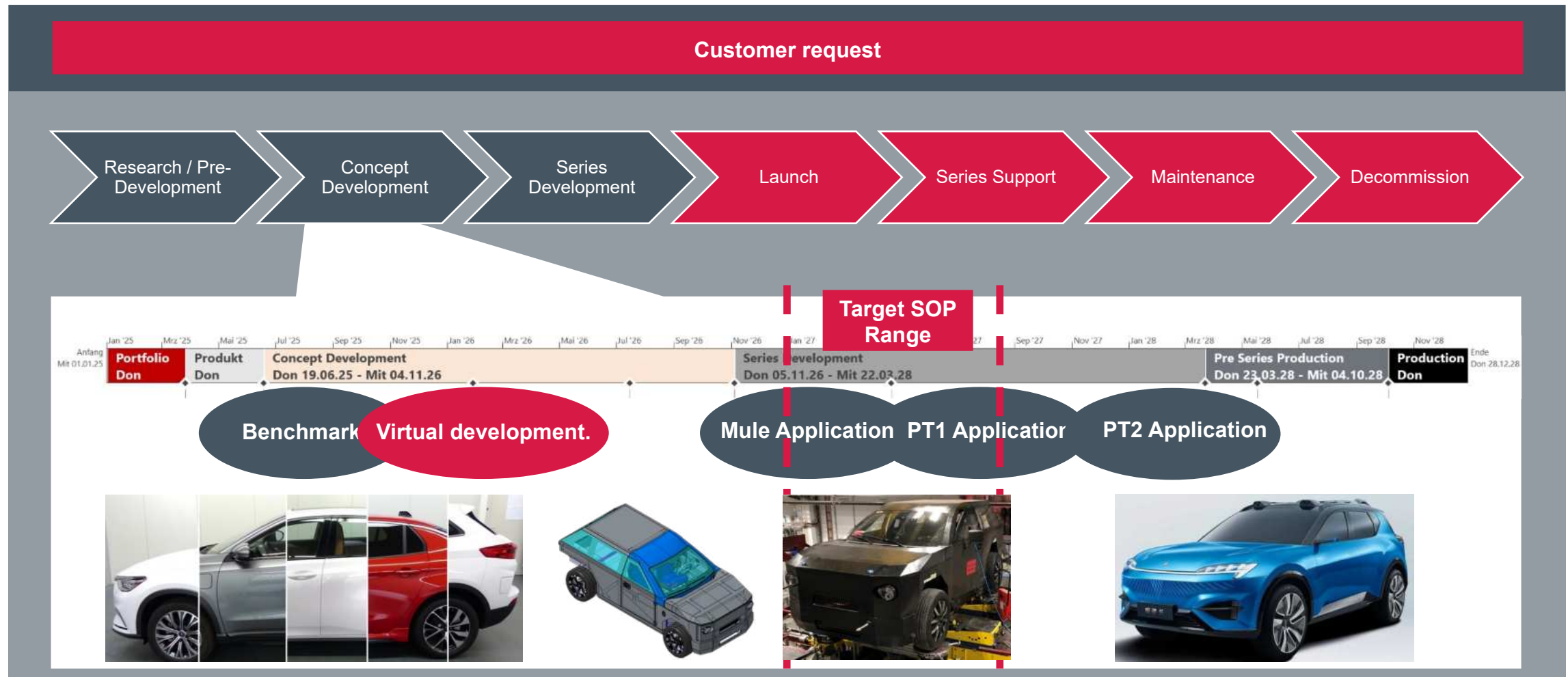
Handling



CHALLENGE DEVELOPMENT TIMING



CHALLENGE DEVELOPMENT TIMING

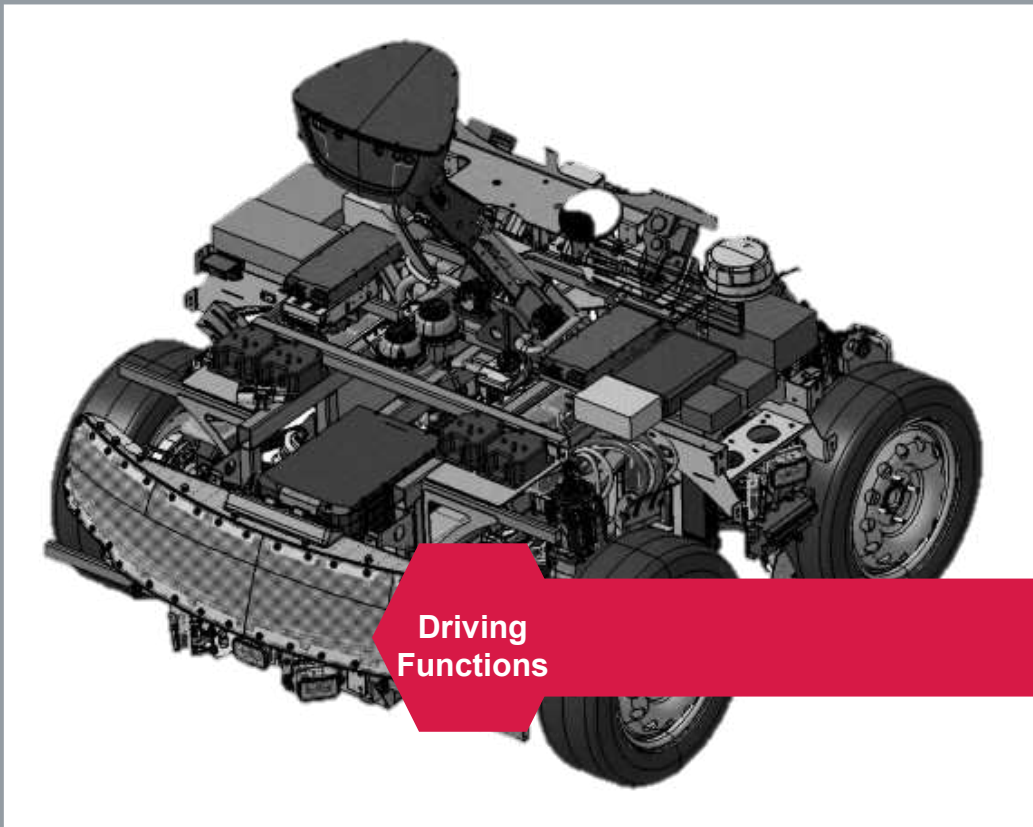


CHALLENGE MARKET CHANGE



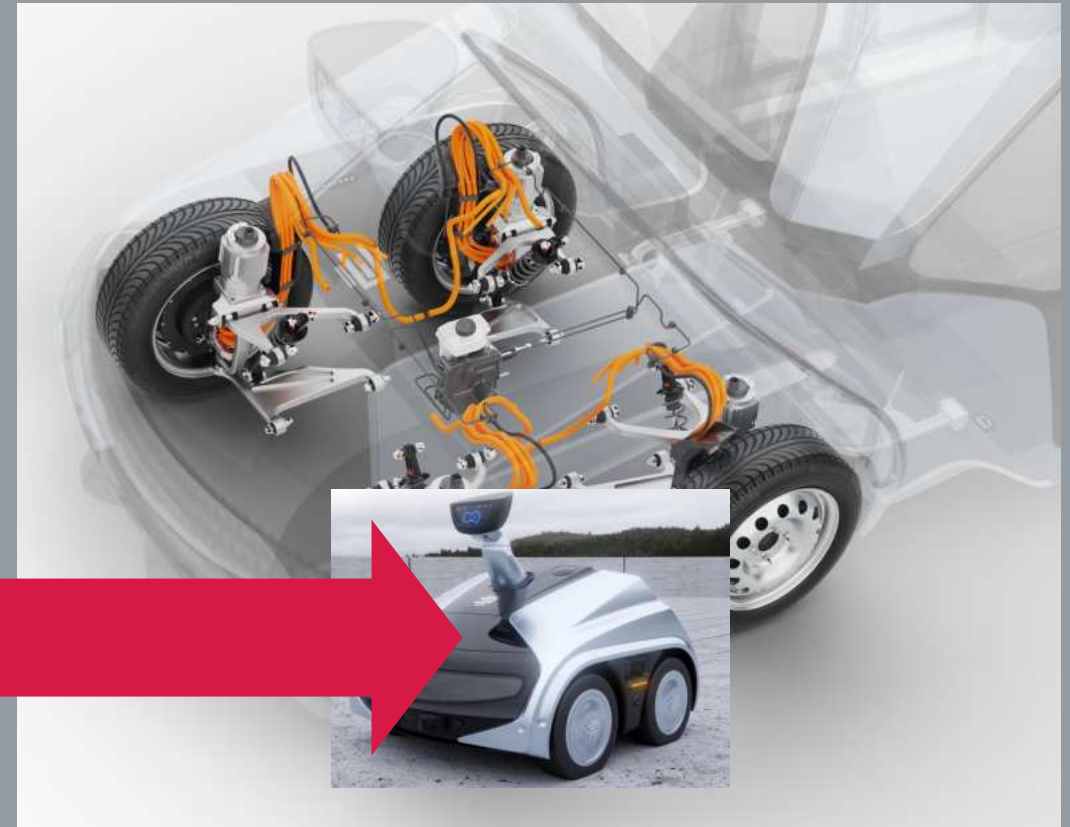
CHALLENGE MARKET CHANGE

AD System



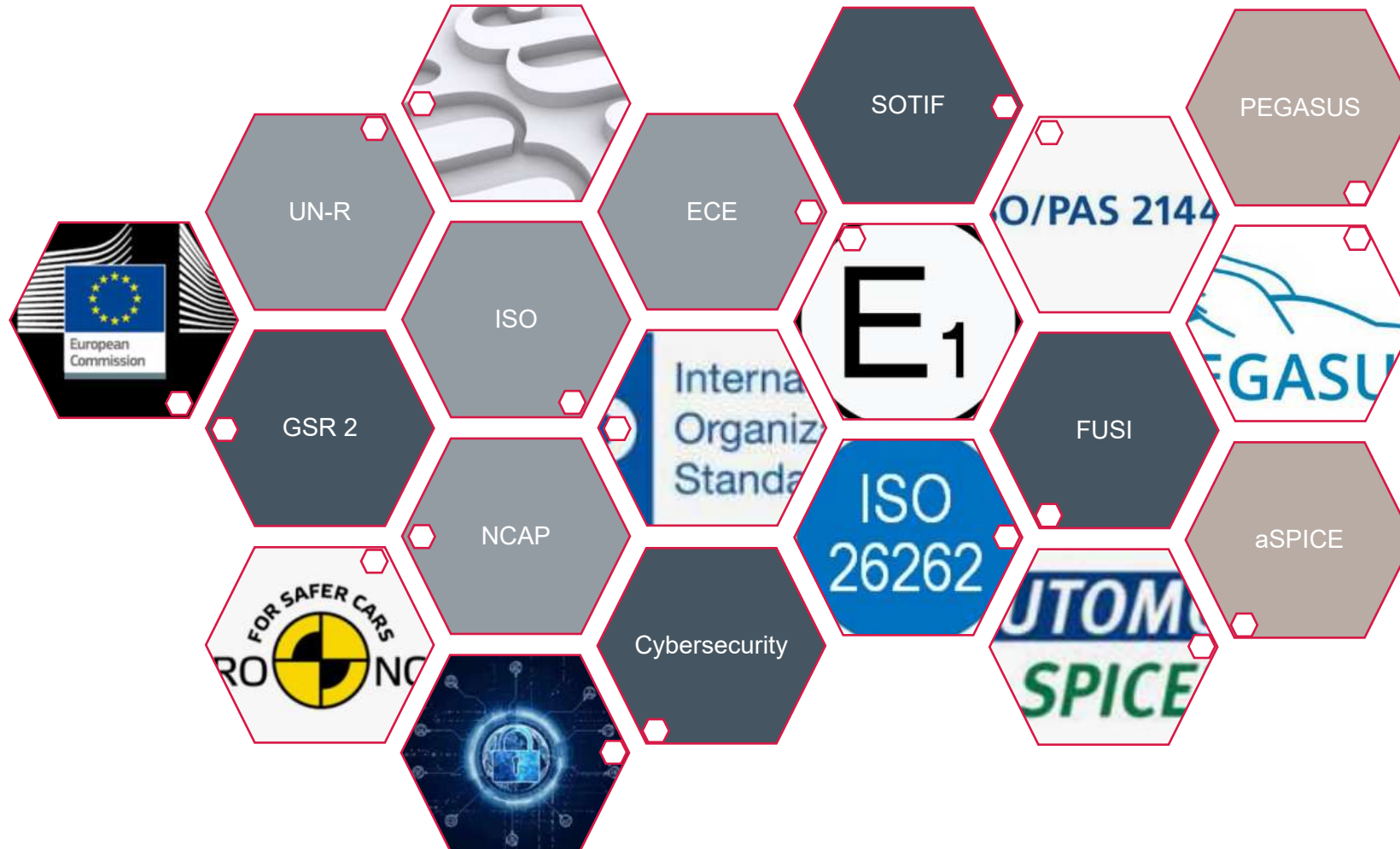
Driving
Functions

Drive System (X-By-Wire)

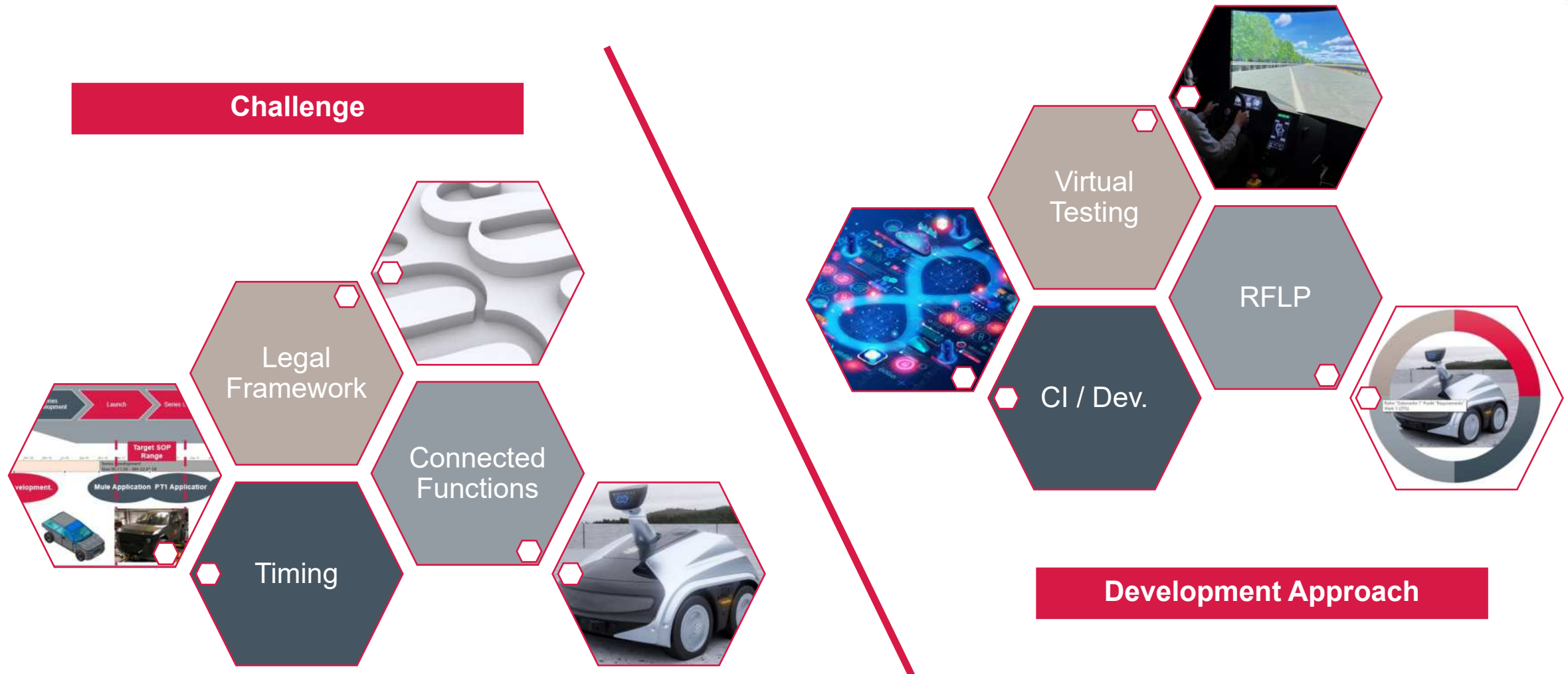


CHALLENGE

THE LEGAL FRAMEWORK



CHALLENGE SUMMARY



ZERO PROTOTYPE LAB LOCATION



SIMS & HIL
SIMULATION EX
METHODS
DATA MANAGEMENT
TRACKS
STAFF

Wolfsburg

DATA
RESULTS
NEW MODELS
METHODS



The logo consists of a stylized symbol on the left, composed of four horizontal bars of varying lengths that form a square-like shape with a central gap. To the right of this symbol is the word "EDAG" in a bold, italicized, sans-serif font.

EDAG

ZERO PROTOTYPE LAB SIMULATOR OVERVIEW

DYNAMIC SIMULATOR DIM500

Manufacturer: **VI-Grade DIM500**
Real-Time-Computer: **AutoHawk16**
Software: **World-Sim**
3rd Party



June 2024

Moving / Motion: **1:1 Cueing**
Longitudinal 5m and 1,5g
Lateral 5m und 1,5g
Vertikal 298mm and 2,5g

COMPACT FSS SIMULATOR

Manufacturer: **VI-Grade**
Real-Time-Computer: **Autohawk16**
Software: **World-Sim**
3rd Party



April 2024

Moving / Motion:
Corner Actuators
Seat and Steering wheel shaker

DESKTOP SIMULATOR

Manufacturer: **VI-Grade**
Real-Time-Computer: **Autohawk16**
Software: **World-Sim**
3rd Party



December
2023

ZERO PROTOTYPE LAB HIGH DYNAMIC SIMULATOR



DYNAMIC SIMULATOR DIM500

Manufacturer: **VI-Grade**
Real-Time-Computer: **AutoHawk16**
Software: **World-Sim**
3rd Party
Moving / Motion: **1:1 Cueing**

Simulator ready to use with basis setup:

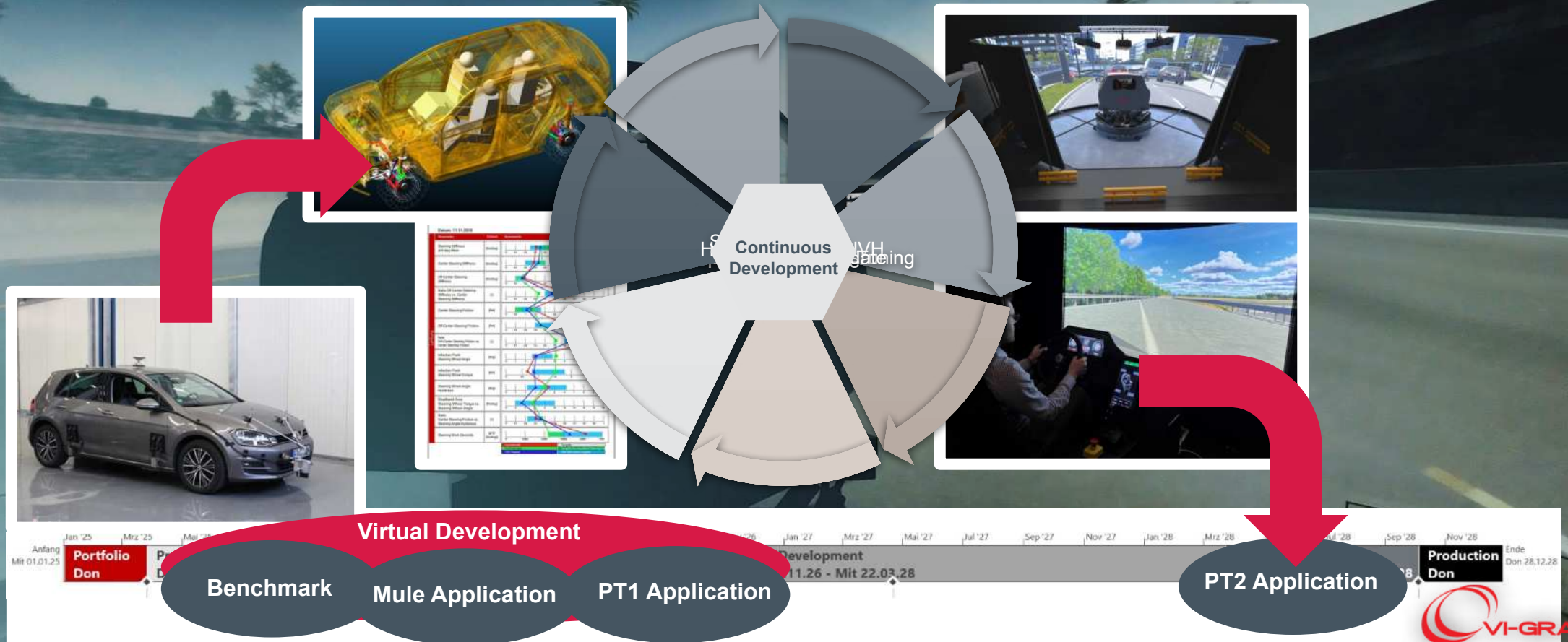
- Carbon fiber hyperdock
- Vehicle model
- Roads and Szenarios
- Data analysis



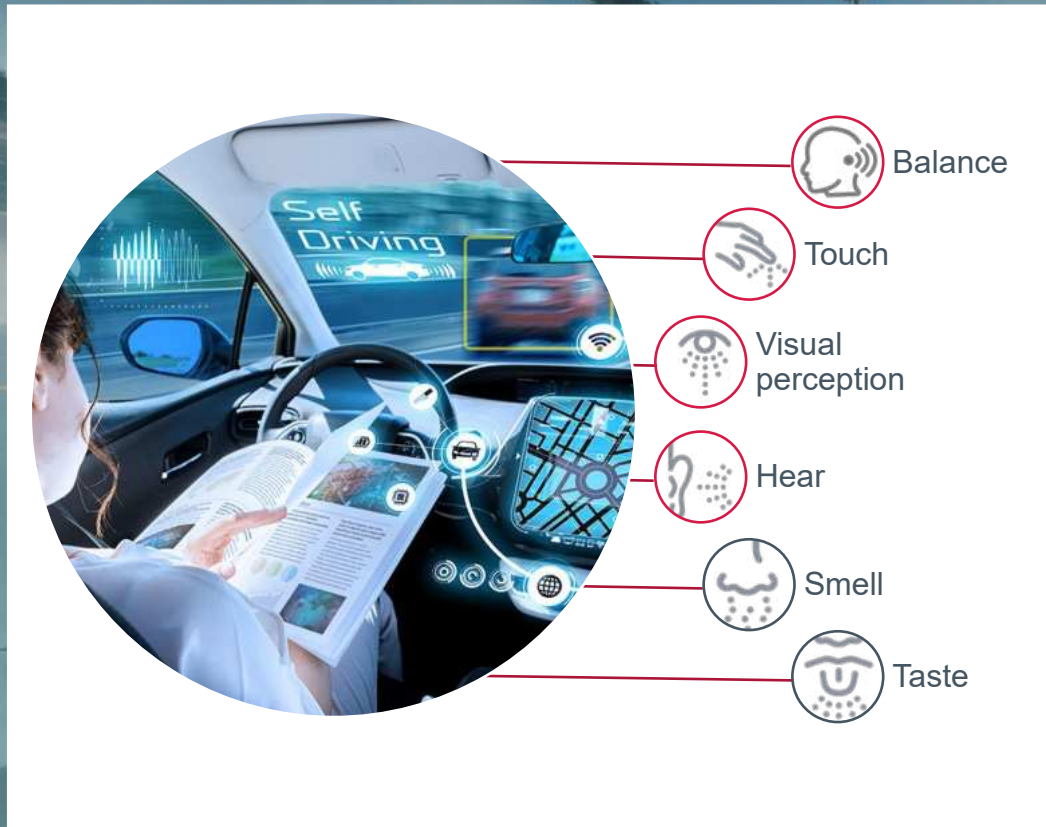
EDAG APPROACH DYNAMIC ATTRIBUTES



EDAG Solution



Attribute Development with DIM500 and FSS in combination



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