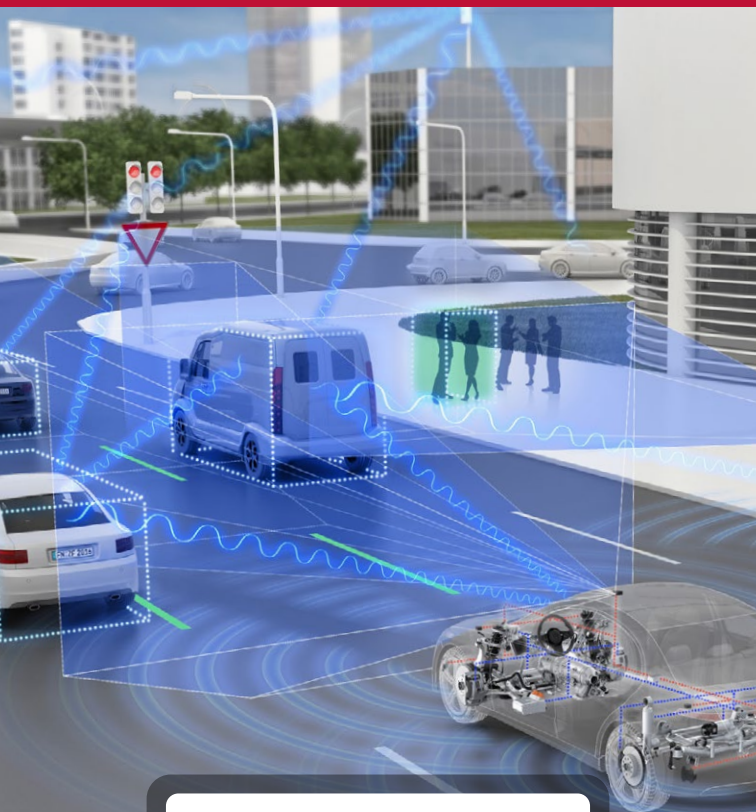# iMAR

NAVIGATION & CONTROL

Your Experts for Test Track Instrumentation and Automation

iSWACO-ARGUS

**Now also supporting
EU 2022/1426
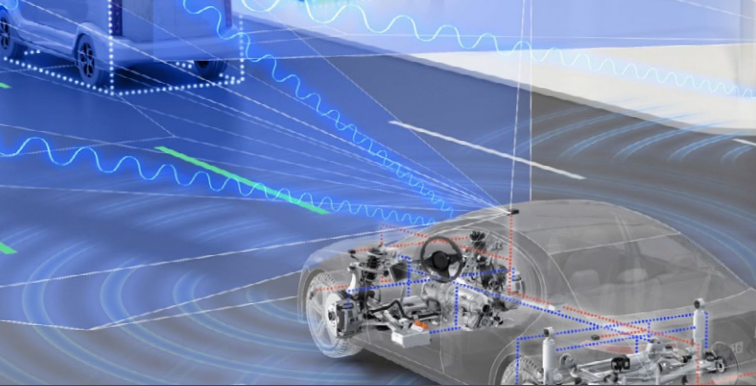„Type-approval of ADS"**

So far, simulation and physical testing have been separate processes. Today, Large-Scale Testing is only possible by considering simulative approaches within the total test strategy. For this iMAR´s toolchain iSWACO-ARGUS is the favorite solution.

¡SWACO-ARGUS

provides an iSCAML – independent Scenario Advanced Meta Language – Interface according to ISO 22133 and developed in cooperation with IPG Automotive, a CarMaker-2-iSCAML converter.

This toolbox offers the opportunity to shift simulated scenarios from IPG's CarMaker directly to iMAR's iARGUS-CMD Control Center Software.

**Manufacturer Independent Swarm Control
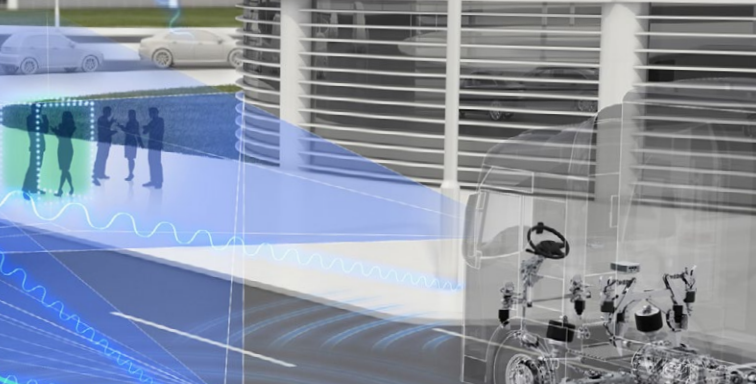for increasingly complex Scenario-Based Testing**

As test cases evolving more and more
to Multi-Object Scenarios, it is crucial
to provide a manufacturer independent
workframe with open interfaces and
flexible architectures.

i SWACO-ARGUS

supports interfaces from e.g.:

- **4activeSystems**
- **Stähle Robot Systems**
- **HUMANETICS**
- **GeneSys**
- **OxTS**
- **systems with ISO 22133 compatibility**

**Within a single Control Center Software,
this allows interoperability for all major
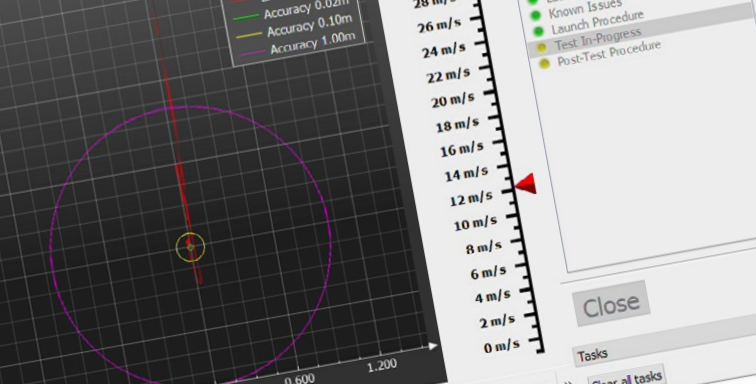test equipment providers.**

**To get a type-approval for an Automated
Driving System (ADS), the manufacturer
has to prove that the ADS is capable of
performing the Dynamic Driving Tasks (DDT)
within its Operational Driving Domain (ODD).**

¡SWACO-ARGUS

**comes with a Test Scenario Catalogue
that covers the required test-scenarios
to rate the performance of the ADS
according to EU 2022/1426,
such as:**

- **lane keeping scenarios**
- **lane change scenarios**
- **collision avoidance scenarios**
- **emergency break avoidance**
- **cut-in scenarios**
- **obstacle avoidance**

High Performance Systems for Automotive Testing

Localisation of moving objects using INS/GNSS and LiDAR

Infrastructure Element Management

Vehicle Guidance and Control for TSVs, SCTs and VUTs

Communication WiFi, iDMN and 5G

Scenario Management Database for Scenario Based Testing and NCAP

SCT Platforms, Virtual Elements, Robot Controlled Vehicles

Abort the Scenario

Switch to Emergency Scenari

◄ Back   Nex

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Lane Change Scenario

TSV #2

VUT

TSV #1