

# Deployment of a Multi-Domain Model (MDM) DSM-Based Approach for Automotive System Development:

## Improving Traceability and Security Impact Analysis



- Unify data across engineering domains
- Analyze impact across system dependencies
- Improve traceability and verification coverage
- Assess cybersecurity impact across the vehicle

### OUR SOLUTION: MULTI-DOMAIN MODEL (MDM) + DSM



REQUIREMENTS



E/E ARCHITECTURE



SOFTWARE



VERIFICATION & TESTING

### LATTIX MDM PLATFORM

Integrated System Analysis • Impact Analysis • Traceability • Security Analysis

### PROVEN RESULTS FROM OEM PILOTS



#### INTEGRATE

Consolidate data from AUTOSAR, CAN DB, requirements systems and code repositories



#### ANALYZE

Automate cross-domain impact analysis and detect traceability gaps.



#### DELIVER

Improve traceability coverage, prioritize tests and reduce development risk.

### WHY IT MATTERS



#### REDUCE RISK

Understand how changes and vulnerabilities propagate.



#### IMPROVE VISIBILITY

Gain end-to-end visibility into complex system interdependencies



#### ACCELERATE DEVELOPMENT

Enable shift-left verification and faster, higher-quality release cycles.



#### BUILD SECURE SYSTEMS

Quantify cybersecurity impact and align with ISO/SAE 21434 compliance.



#### INCOSE 2026

June 13-18, 2026  
Pacifico Yokohama  
Yokohama, Japan



#### LET'S CONNECT

Interested in learning more?

- ▶ Request a private presentation for your team
- ▶ Attend our session at INCOSE 2026

#### SCAN TO LEARN MORE

Learn more about our INCOSE 2026 session and the MDM approach.

