

ALMA by KL Engineer

Digital Solution for Car Integration

Faster Time to Market with Process Automation



The automotive industry is undergoing a fundamental shift towards Software-Defined Vehicles. This growing reliance on software is reshaping the way vehicles are developed. Traditional software and automotive development models fall short in SDVs. There is a need for a new, adaptive solution tailored to the evolving demands of automotive software.

IT. TEAM AWARD

SOFTWARE-DEFINED VEHICLE

Meet ALMA

ALMA - **A**utomotive **L**ean **M**anagement **A**pplication - a solution for car software integration, testing, verification and validation. ALMA was specifically created for the automotive industry, aiming to shorten the software integration cycle through automation.

ALMA Features



Car Functions Maturity Management

Manage product variables and development status across markets, architecture, or car models.



Release & Configuration Management

The Digital Twin feature describes prototype cars and configurations to test consistently.



Car Update

Delivery Pipeline from various Suppliers to various Test Cars. Includes OTA updates.



Comprehensive Reports

Customized dashboards for data-driven decision-making in car development.



Connectors and Integrations

Seamless integrations with popular and internal company tools and platforms.

Automotive Challenges

Delays in Time-to-Market

Due to integration bottlenecks caused by an outdated, hardware-oriented approach.

Increase in Development Costs

Due to disparate teams and excessive handovers, leading to a loss of up to 50% of information.

Product Recalls

Due to software-related quality issues and increasing software complexity.

Lost Market Share

Due to slow innovation caused by outdated manufacturing methods that do not align with customer-centric development.

It costs X 15 more to fix software defects just prior to production rather than catching problems early in development.

Book a Demo

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Digital Solution for Car Integration



Reduce complexity and delays in the integration and testing of software components, manage dependencies, and facilitate knowledge sharing.

Reuse software and functions across the product portfolio and markets.



Automate testing and verification.

WHAT OUR CUSTOMERS ARE SAYING

"Cariad, the automotive software company of the Volkswagen Group, embarked on a project with KL Engineer to automate the complex car integration process. This project involved operations data from various sources to create an end-to-end traceability from software component deliveries to automated tests on cars. Together, we developed a Common Data Model to ensure synchronicity and provide comprehensive browser-based access to all project data from various tools. KL Engineer developed over 70 plugins to process data from various business units in Azure DevOps and Power BI, showcasing their creativity in customizing solutions for the tools we use. I am confident that the team can handle much more if needed."

Technical Integration Engineering Lead, Cariad

Key Advantages

Single Source of Truth

ALMA collects, connects, and structures data from multiple sources and teams in a **Common Data Model**, highlighting inefficiencies.

Transparency and Traceability

Connect functions with both technical and business values on one platform to cover the entire value chain.

Data Reuse

Avoid redundant efforts in testing the same function for different car models or markets. Leverage existing data to save time and optimize product line development.

Flexibility & Customisation

Build custom pipelines and views tailored to specific roles and processes, enabling OEM-specific workflows.

Cost Reduction

Save costs by reducing manual effort, eliminating inefficient processes, and optimizing resource allocation.

Contact Us



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