



TRANSPORTATION & MOBILITY **VEHICLE PROGRAM INTELLIGENCE**

PLM ANALYTICS TO ACCELERATE
AND ENHANCE BUSINESS DECISIONS



REVEAL AND ANALYZE ENTERPRISE- CRITICAL DATA FOR BETTER VEHICLE DECISIONS

Automotive executives need a real-time understanding of the status and evolution of the projects and programs they manage. The challenge is making sense of the information overload from all supporting IT systems, processes and people. The ability to retrieve, link, and display this growing volume of data in a user-friendly manner enables businesses to make on-demand, informed decisions to avoid and solve problems, anticipate demand, exceed customer expectations, and thus stay ahead of the competition.

The **Vehicle Program Intelligence 3DEXPERIENCE®** solution provides users with quick and efficient access to data from multiple systems, displaying the resulting detailed, up-to-date and customized dashboards in an optimal format. Thanks to Dassault Systèmes' PLM Analytics technology, relevant engineering information is revealed, measured and analyzed, resulting in vehicle development and manufacturing process improvement, including project, quality and change management, throughout the global enterprise.

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Product innovation has adapted to globalization and demand for personalized, and more complex, vehicles. With this has come the need for powerful analytics to manage changes, track progress and issues, provide insight and enable users to discover all the right information, in real time and in context.



Visualize real-time status of vehicle projects and programs

Vehicle Program Intelligence can be adapted and configured to display the key metrics executives need at their fingertips in order to measure progress and make countless assessments every day. Its powerful search engine makes it possible that, in a highly intuitive manner, users gain actionable insight into each stage of the vehicle lifecycle in order to make fact-based program evaluations aligned with company goals. These insights can include: project tracking; quality, change, and issue management; gap-to-target analysis; capacity reviews; part and assembly comparison; and more.

Aided by strong semantic capabilities, the solution uses business logic analysis of complex product structures and data models. Heterogeneous structured and unstructured data is automatically analyzed, normalized and categorized into a unified information resource that can be distributed, accessed and displayed with unprecedented speed. And it scales to the increasing information streams from multiple internal and external sources. The result? An alternative, single point of access that encompasses relational data and unstructured data access with the ability to answer complex questions that traditional Business Intelligence (BI) solutions cannot address.

Reveal contextual, accurate business information for optimized execution

From the part level (analysis of materials, weight, color, and other characteristics) to the product (configuration,

requirements) to engineering processes, project planning and operations, **Vehicle Program Intelligence** traverses dynamic relationships between different types of information (called graphs) and puts it all in context.

This goes beyond the capabilities of BI, making it possible to interpret critical PLM data in order to comprehensively monitor, understand and improve vehicle development processes. For example, one can see how vehicle defect occurrences per severity evolve over time, or determine which manufacturing processes are most impacted by engineering change orders, requests, and authorizations. The **3DEXPERIENCE** platform facilitates 360-degree collaboration between organizations inside and outside the enterprise.

Connect and unify the entire enterprise to accelerate innovation

Vehicle manufacturers need to build reliable reporting systems on top of legacy and new information systems while removing manual processing and the inevitable introduction of errors. With **Vehicle Program Intelligence**, all users have a unique point of access to PLM data, so the 'single source of truth' becomes a reality. Capturing and analyzing any content in PLM or other systems means transparent delivery of only the most reliable KPIs, thereby facilitating the elimination of legacy tools and systems in a controlled and low-risk manner. By connecting and unifying the entire enterprise, you enhance collaboration, optimizing vehicle development processes and the performance of your engineering teams so that they can focus on creating innovative global designs that go beyond your customers' needs.

Vehicle Program Intelligence Solution Benefits:

- Visualize contextual, accurate vehicle engineering project information in real time for better decision-making
- Boost vehicle quality by revealing failure mode and corrective action trends
- Leverage all project data to accelerate time-to-market
- Increase collaboration and achieve a single version of truth thanks to a unified view of heterogeneous and legacy systems
- Ensure traceability and reliability of business information by decoupling analytics from IT transformation
- Improve project execution by gaining deeper insight into project progress
- Increase customer satisfaction via greater visibility into customer issues and response time

Our 3DEXPERIENCE® platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the **3DEXPERIENCE®** Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 210,000 customers of all sizes in all industries in more than 140 countries. For more details regarding the **VEHICLE PROGRAM INTELLIGENCE** industry solution, go to www.3DS.COM/TRANSPORTATION

