PTC®

PSA Peugeot Citroën selects PTC Integrity™ Modeler™ as their modeling tool for Global Infotainment System

With its two globally renowned brands, Peugeot and Citroën, PSA Peugeot Citroën sold more than 2.9 million vehicles worldwide in 2012, 38 percent of which were sold outside of Europe.

The Challenge

PSA Peugeot Citroën needed to deploy a global Infotainment system engineering strategy across the entire organization in order to improve collaboration and reduce the technological and cultural gaps between various teams in charge of specifications with documentation generation, simulation with code generation, and testing.

"Here at PSA Peugeot Citroën we had the following three connected goals for our modeled specifications: specification (with documentation generation), simulation (with code generation), and testing," explained Sébastien Heckmann, Head of Modeling Methods and Prototyping for Cockpits and Infotainment Modules at PSA Peugeot Citroën.

The Solution

PSA Peugeot Citroën identified PTC Integrity Modeler as the solution that met all of the requirements needed to deploy a global infotainment system engineering strategy across the whole organization. For PSA Peugeot Citroën, the following features were key: compliance to the UML standard and SysML standard, ease of integration and customization, collaborative modeling, code generation technology, and the customer support quality.

PTC Integrity Modeler met all those criteria, and it became clear to PSA that PTC Integrity Modeler would not only significantly improve the quality of the global system engineering process, but would also reduce the time of the project designs, leading to a reduction in costs.

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One of the challenges was to put in place a single graphical and functional tool chain, both inside PSA and connecting with our tiered suppliers."

Sébastien Heckmann
Head of Modeling Methods and Prototyping for Cockpits & Infotainment Modules

The Benefits for PSA Peugeot Citroën included:

- Consistent high quality system engineering processes across the entire team

- Ease of integration and customization allowing teams to use an automotive language in place of the UML language

- Minimum savings of 15 percent in design costs due to early bug detection during the analysis phase

- Improved communication between development teams and stakeholders

- First class customer support from PTC Global Services

The agreement deployed PTC Integrity Modeler on PSA's HMI (Human Machine Interface) systems (e.g., media and radio player, Bluetooth phone, GPS navigation, etc.)

"We really appreciate the customization facilities within PTC Integrity Modeler, as they allow our teams to use an automotive language in place of the UML language," said Heckmann.

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PTC has provided first class customer support and has been a true partner as we evolved our systems modeling maturity."

Sébastien Heckmann
Head of Modeling Methods and Prototyping for Cockpits & Infotainment Modules

Company Overview

Company: PSA Peugeot Citroën

Industry: Automotive

Country: France

Employees: 202,108

Website: www.psa-peugeot-citroen.com