

# Automotive supplier innovation through model-driven program execution

Capitalizing on innovation while improving overall program control and risk management

## Benefits

- Reducing auto suppliers' program risks to quality, product timing, performance and costs
- Enabling robust development and validation of system performance earlier in the development process
- Supporting rapid and efficient design through flexible modeling technology, knowledge re-use and integrated design environment

Challenging trends in the automotive industry – including fuel economy and emission standards, increasing product complexity and global growth – have put greater pressure on automotive suppliers for rapid innovation while maintaining profitability and meeting delivery expectations. Suppliers must capitalize on innovation while improving overall program control and risk management. Siemens PLM Software provides a complete, integrated automotive supplier solution for executing program innovation, from planning and design through manufacturing and support.

## Model-driven simulation and validation

Siemens PLM Software's industry-leading integrated CAD/CAE/Test environment helps decision-making early in the development process by enabling earlier assessments of designs and a closed-loop view of system performance relative to requirements across multiple attributes through:

- 1D and 3D simulation models supported with industry-proven model libraries that help integrate design and simulation and enable rapid evolution of concepts and system design
- Closed-loop process from requirements to simulation to test, balancing simulation and physical test as required for greater confidence
- An integrated environment tying together multiple disciplines while enabling better trade-off decisions

## Fast and efficient design creation

Siemens PLM Software's solution helps increase the speed and efficiency of automotive supplier engineers in creating designs that meet market, brand and regulatory requirements through:

- Comprehensive high-performance modeling that enables the seamless use of most productive approaches in a single efficient user environment





*Physical testing & performance validation.*

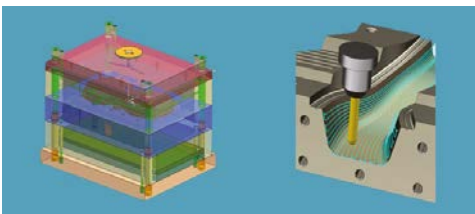
- Responding to change so changes can be effectively evaluated for product, tooling, manufacturing and serviceability impacts
- Weight management tracking program monitors targets and progress on weight attributes

#### **Summary**

Siemens PLM Software's solution for automotive suppliers enables model-driven program execution, allowing suppliers to deliver more profitable innovation to their customers while increasing their own business success. Companies realize key

business benefits from faster time-to-market and reduced costs to optimized lifecycle efficiency, as well as improved quality and flexibility.

The solution supports better decision-making as suppliers manage the speed and complexity of innovation to execute new product programs globally and profitably. Model-driven program execution also helps suppliers manage the integration complexities of new technologies and control system interactions with vehicle systems to meet their customers' demands.



*Integrated manufacturing validation.*

#### Contact

Siemens Industry Software

Americas +1 314 264 8499

Europe +44 (0) 1276 413200

Asia-Pacific +852 2230 3308

[www.siemens.com/plm](http://www.siemens.com/plm)

© 2014 Siemens Product Lifecycle Management Software Inc. Siemens and the Siemens logo are registered trademarks of Siemens AG. D-Cubed, Femap, Fibersim, Geolus, GO PLM, I-deas, Intosite, JT, NX, Parasolid, Quality Planning Environment, Solid Edge, Syncrofit, Teamcenter and Tecnomatix are trademarks or registered trademarks of Siemens Product Lifecycle Management Software Inc. or its subsidiaries in the United States and in other countries. All other logos, trademarks, registered trademarks or service marks used herein are the property of their respective holders.

39008-Y10 6/14 B