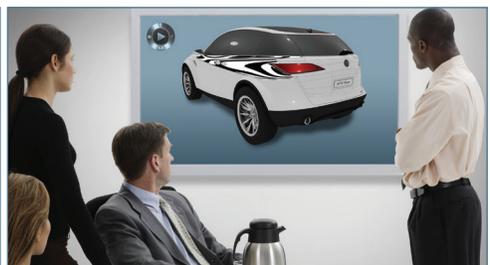


TRANSPORTATION & MOBILITY TARGET ZERO DEFECT

ENABLE EXCELLENCE FROM DESIGN TO PRODUCTION

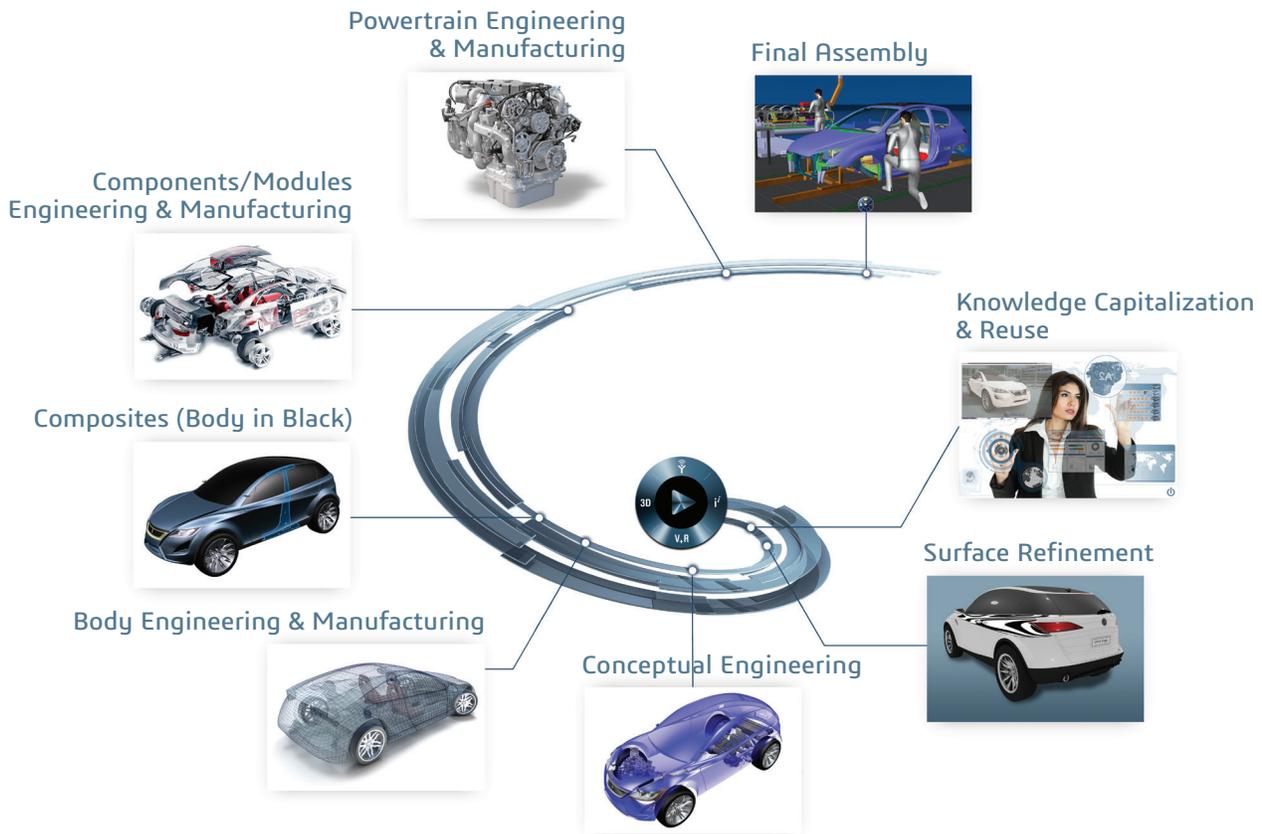


**HOW CAN WE OPTIMIZE
YOUR VEHICLE INNOVATION
FROM SUPPLIER TO CONSUMER
AND FROM CONCEPT
TO FINAL PRODUCTION?**

Suppliers and OEMs alike strive to develop profitable, high quality vehicle innovation. As consumers demand higher-performance, advanced vehicle capabilities, developers must integrate more complex systems, optimize function to form, and integrate all disciplines from concept to production.

The Target Zero Defect Industry Solution Experience streamlines design-to-delivery collaboration, enables cost-saving early validation, and supports right-the-first-time results. Unified, end-to-end vehicle development capabilities optimize vehicle innovation – for suppliers, OEMs and consumers.

TARGET ZERO DEFECT: ENABLE EXCELLENCE FROM DESIGN TO PRODUCTION



Ensure Quality From Start to Finish

Suppliers and OEMs pursuing quality improvement can capture and leverage their previous successful expertise with knowledge capitalization and re-use. They also benefit from industry-leading visualization and refinement tools to confirm and refine product quality, without the added expense of physical prototypes.

Enhance End-to-End Performance

Target Zero Defect provides a collaborative platform which enables better concurrent engineering and component re-use, saving both time and cost. As today's drivers demand more electronic options, vehicle developers can leverage an integrated Systems Engineering (RFLP)* unified platform, with a strategic set of integrated multidiscipline simulation applications to optimize performance.

Optimize Your Return On Investment

Early virtual design engineering and validation can reduce both vehicle weight and material waste. Our single environment for pro-active prediction of budget and development cycle saves both time and cost.

Design Once, Manufacture Anywhere

Flexible and global manufacturing capabilities enable industry leaders to quickly react to changes in demand, and make critical updates late in the development process without compromising manufacturability and schedule. Virtual assembly planning can result in higher quality results and reduction of recalls and warranty costs.

TARGET ZERO DEFECT BENEFITS:

- Comprehensive concept to production capabilities enable efficient, effective development and right-the-first-time results.
- Integrated, 3D concurrent engineering ensures accurate and timely component to vehicle completion.
- Multidiscipline RFLP-based systems engineering fulfills consumer demands for advancing electronic options.
- Virtual simulation and analysis saves time, waste and cost
- Dynamic, flexible virtual manufacturing options optimize production, and support 'zero defect' results

* RFLP = Requirement, Functional, Logical and Physical