![3DS SIMULIA]

SIMPACK
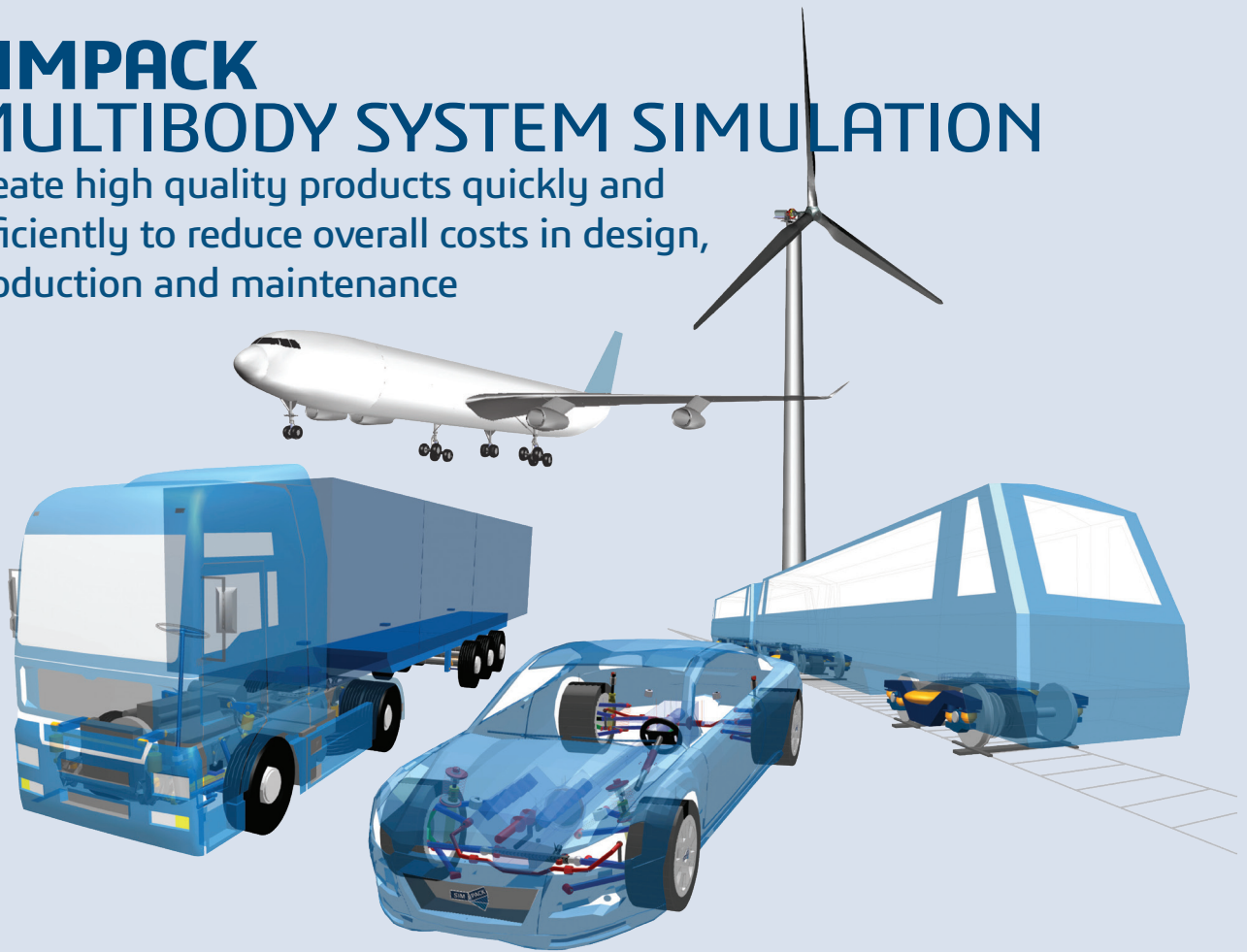## MULTIBODY SYSTEM SIMULATION
Create high quality products quickly and efficiently to reduce overall costs in design, production and maintenance

SIMPACK

Simpack is a general purpose multibody system simulation (MBS) software used for the dynamic analysis of any mechanical or mechatronic system.

From initial concept designs, through to production and redesigns, Simpack is used to help engineers fully comprehend and optimize systems, vastly reduce the need for physical prototyping, reduce time-to-market and to improve product quality and lifespan.

![3DS DASSAULT SYSTEMES]
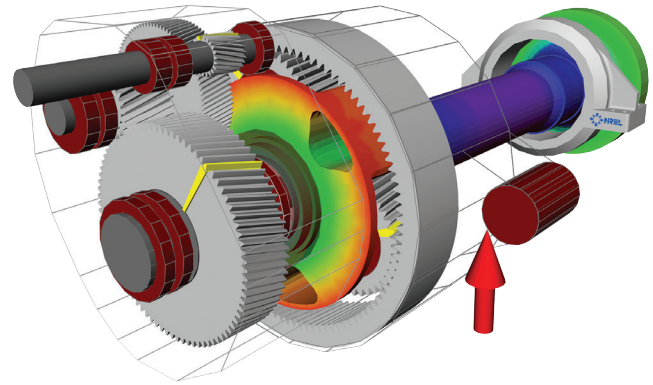
PRODUCT PORTFOLIO:

- Simpack Pre
- Simpack Post
- Simpack Solve
- Simpack Wizard
- Simpack Realtime
- Over 70 Industry specific add-on modules

Simpack Pre enables users to build models from the ground up. Using the large variety of included modeling elements (e.g. bodies, joints, forces and excitations), basic models can be generated for investigating general dynamic phenomena. The pre-processor is required for most other Simpack modules.
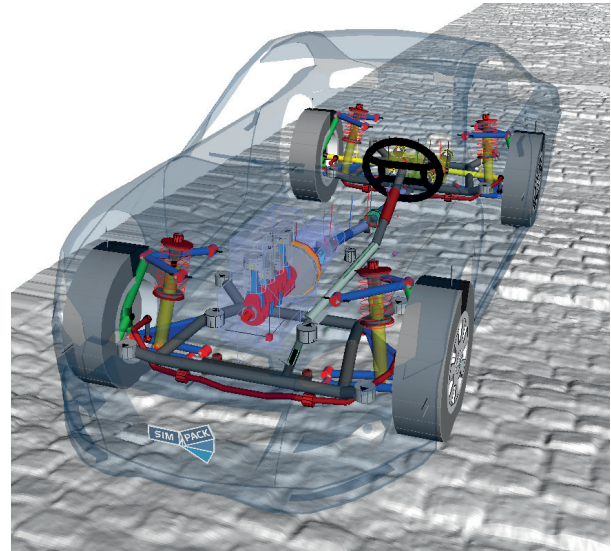
Simpack Post is required for the visualization of results. 2D plots, 3D plots, and 3D animations can be easily generated. An extensive library of filters enables easy data processing. User defined templates allow quick report generation and comparison of results.

Simpack Wizard enables easy setup of standardized models and analysis processes for "deployment mode" of Simpack. Non-expert users can carry out company-specific standard analyses and review the results without difficulty. Simpack Wizard is based on standard Simpack model databases which can be adapted using Simpack Pre.
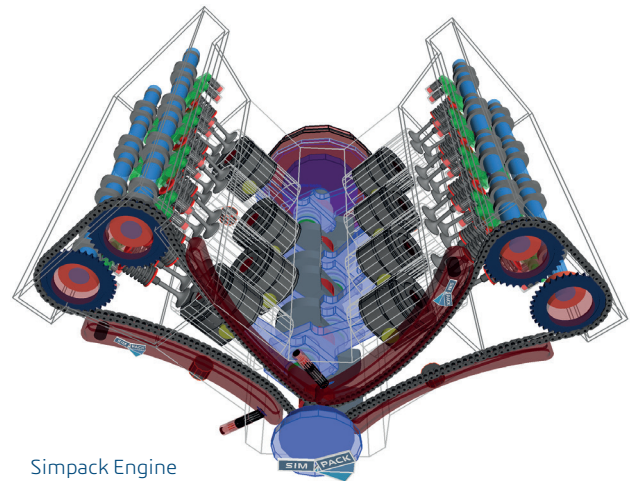
Simpack Realtime enables Hardware-in-the-Loop (HiL) and Man-in-the-Loop (MiL) Simulations with Simpack models. Most Simpack modeling elements are supported and even complex models can be used in realtime simulations.

Simpack Drivetrain

Simpack Automotive

Simpack Engine

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Dassault Systèmes, the **3D**EXPERIENCE Company, is a catalyst for human progress. We provide business and people with collaborative virtual environments to imagine sustainable innovations. By creating 'virtual experience twins' of the real world with our **3D**EXPERIENCE platform and applications, our customers push the boundaries of innovation, learning and production.

Dassault Systèmes' 20,000 employees are bringing value to more than 270,000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit **www.3ds.com**.

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