SiMPACK Automotive is an add-on module tailored to the specific requirements of the automotive simulation sector.

Applications
- Passenger cars, trucks, busses and land machinery
- People movers and motorcycles
- Complete system analyses with component based sub-system models
- Handling, ride and NVH analyses
- SiL, HiL and MiL applications
- Stress and durability
- DoE and optimization

Highlights
- Unlimited modeling flexibility
- Extreme non-linear system behavior
- Analyses in the frequency and time domain
- Fully parameterized highly detailed automotive database for all typical suspension/driveline types available
- Scalable detail and complexity
- Batch jobs and automatic report generation
- Interfaces to third party software (CDTire, Delft-Tyre, FTire, TMEasy)

Features
- Frequency and amplitude dependent force elements (dynamic bushing/hyromount)
- High fidelity drivetrain elements
- Detailed air spring models
- Beam based leaf springs with contact and friction
- Flexible body generation within SiMPACK
- Importation of flexible bodies from FEM codes
- Easy implementation of user specific code
**Interfaces to**
- CAD software
- FEM software
- Control software
- Fluid dynamics software
- Fatigue analysis software
- Optimization tools

**Operating Systems**
- Windows and Linux.

See: www.simpack.com/platforms.html

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**SIMPACK CUSTOMER SOLUTION CENTERS:**

**GERMANY**
**HEADQUARTERS**
SIMPACK GmbH
Friedrichshafener Strasse 1
82205 Gilching
Germany
Phone: +49 (0)8105 77266-0
Fax: +49 (0)8105 77266-11
info@SIMPACK.de
www.SIMPACK.com

**USA**
SIMPACK US Inc.
Dassault Systèmes SIMULIA Corp
900 North Squirrel Road, Suite 100
Auburn Hills, Michigan 48326
USA
Phone: +1 313 827-5500
Fax: +1 313 323-0149
Mobile: +1 251 923 9566
Robert.SOLOMON@3ds.com
www.SIMPACK.com

**JAPAN**
SIMPACK Japan K.K.
21F ThinkPark Tower
2-1-1 Osaki
Shinagawa-ku
Tokyo 141-6020
Japan
Phone: +81 3 4321-3522
Fax: +81 3 4321-3543
info@SIMPACK.jp
www.SIMPACK.jp

**GREAT BRITAIN**
SIMPACK UK Ltd.
The Whittle Estate
Cambridge Road
Whetstone
Leicester LE8 6LH
UK
Phone: +44 (0)116 275 1313
Mobile: +44 (0)7767 416 656
info@SIMPACK.co.uk
www.SIMPACK.com

**FRANCE**
SIMPACK France S.A.S. / Dassault Systèmes
20 Boulevard Eugène Deruelle
Immeuble Le Britannia
69003 Lyon
France
Phone: +33 4 7214 1683
Mobile: +33 673 881 965
info@SIMPACK.fr
www.SIMPACK.fr

For SIMPACK Distributors please go to www.simpack.com/contact.html

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