

SIMPACK News

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ALSTOM Transport Selects SIMPACK as Common Solution

Along with Siemens Mobility and Bombardier Transportation, another global player, ALSTOM Transport, is now using SIMPACK as a standard software tool.

This decision was made after several years of using a wide variety of MBS and dedicated software tools throughout the company. The performance of SIMPACK at the ALSTOM's Salzgitter site in Germany, proved SIMPACK to be essential for all other sites across Europe.

ALSTOM, A TECHNOLOGY LEADER

INTEC is very proud that this decision was taken at the same time that ALSTOM unveiled its new AGV train and set a new world speed record of 574.8 km/h with the "V150" prototype. All of this shows the commitment of ALSTOM to being a technology leader.

VEHICLE DYNAMICS, NVH AND CONTROL IN ONE SOLUTION

ALSTOM Transport will use SIMPACK for the development of all products,

from tramways to high-speed trains, and for calculations ranging from safety to NVH analysis and control systems development.

These systems require the use of highly reliable numerical methods for obtaining sufficient accuracy. The module SIMPACK Rail has always benefited from the renowned SIMPACK solvers. In addition, the module has now been further strengthened with improved contact methods and the new SODAS-RT 2 solver.

SIMPACK, THE WORLD'S LEADING RAILWAY SIMULATION SOFTWARE

SIMPACK has been in the railway simulation industry for more than a decade. SIMPACK Rail, released in 1996, was the first SIMPACK add-on module. SIMPACK Rail provides all the necessary functionality for creating and working with highly detailed and accurate railway dynamics models. These include a powerful rail-wheel contact model, an easy-to-use graphical user interface and many specialised modelling elements which are common to the railway industry.

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The completely redesigned SIMPACK Rail module, released with SIMPACK 8.901, further simplifies the model setup and handling and also improves the simulation robustness. In addition, the enhancements ease the way for future developments.

Thanks to all the customers in the rail industry who trust in INTEC's competence and SIMPACK's speed, accuracy, robustness and versatility, SIMPACK is now the world-leading MBS tool for modelling railway vehicles.