

PRESS RELEASE

Leading Train Manufacturer, CAF, Partners with Exa to Optimize Aeroacoustic Performance of its Newest High-Speed Models

BURLINGTON, MA, USA and TORINO, ITALY [March 3, 2009]—Exa® Corporation, a global innovator of simulation software for product engineering announces CAF (Construcciones y Auxiliar de Ferrocarriles) based in Beasain, Spain, has chosen Exa's PowerFLOW software suite for engineering simulation and optimization, with a focus on aeroacoustic performance, for its new high speed train slated to for domestic railways in Spain.

Exa has been selected as a specialized software partner to analyze a particularly complex and critical domain, to help enhance the performance and functionality of CAF's newest high-speed train. After extensive validation, PowerFLOW software was proven as the only viable tool capable of simulating and predicting aerodynamic noise within industrially acceptable accuracy requirements and turn around time constraints. In addition to analysis of aerodynamic noise in the critical areas of the train, PowerFLOW will be used to simulate the train's front nose, pantograph, internal cavities and bogies (chassis underbody). Exa is also engaged in helping CAF assess, analyze and virtually reduce the noise perceived far from the train (far field noise) to respect European regulations.

The Exa suite of engineering simulation products allow engineers to achieve results within time frames simply unreachable using traditional methodologies —allowing customers to benefits from drastic reduction in prototypes expenses as while bringing their products to market faster. "We are proud for being selected as strategic partner in this project," remarked Loris Libero, Southern Europe Sales Director for Exa. "Exa's expertise in aeroacoustics and train simulation is additionally reinforced by the trust we have been given by companies like CAF who, through our partnership, are driving state-of-the-art engineering simulation within this industry."

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About Exa Corporation

Exa Corporation develops, markets, and supports a suite CAE and CFD simulation software tools including PowerFLOW, PowerCLAY®, PowerWRAP®, PowerVIZ, PowerSPECTRUM®, PowerCOOL and PowerTHERM along with professional engineering consulting services. Exa's products and services enable engineers to create competitive designs, while shortening product design cycles, and speeding time-to-market. A partial customer list includes: AGCO, Audi, BMW, Chrysler, Ford, Hyundai, Kenworth, MAN, Nissan, Peterbilt, Renault, Scania, Toyota, Volkswagen, and Volvo Trucks.

Founded in 1991, the company is headquartered at 55 Network Drive, Burlington, MA, USA 01803. Tel: 1.781.676.8500; Fax: 1.781.676.8599; Email: info@exa.com; URL: www.exa.com

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