

PRESS RELEASE

MAN Commercial Vehicles goes with RAMSIS

More ergonomics for trucks and buses

Kaiserslautern/Munich, 17th March 2009 – The MAN Commercial Vehicles Group (MAN Nutzfahrzeuge Gruppe) with registered offices in Munich, Germany, will use *RAMSIS Industrial Vehicles* for the design of its drivers' cabins. Drivers' workplaces in buses and trucks see intensive use - and the amount of stress the driver experiences depends on the ergonomic design of his cab. More comfort and a high degree of safety reduce fatigue and absences caused by illness, ensuring an increase in driver efficiency. RAMSIS fully meets the specific requirements involved in vehicle driver cab design. The use of RAMSIS increases the level of ergonomic competence in the product development process - meaning that results can be determined fast, reliably and objectively.

RAMSIS Industrial Vehicles is a CAD manikin for the ergonomic design of vehicles in the strategy and conception phase. The operability of the vehicle controls and the feasibility of carrying out maintenance and repair work can already be verified on the digital model. This guarantees that the comfort and safety of the driver is assured, even before the final *model freeze* takes place.

“Ergonomic design today is an absolute must in vehicle development. Vehicles have to offer the highest degree of comfort - *and* be designed to optimally match the different physiological attributes of drivers and other vehicle occupants. That's why ergonomics is an integral part of our company philosophy”, said Holger Koos, Head of the Design Department for Trucks, commenting on the use of RAMSIS software at MAN Commercial Vehicles.

MAN Commercial Vehicles

The MAN Commercial Vehicles group with registered offices in Munich, Germany, is the largest company in the MAN Group - and one of the leading international suppliers of commercial vehicles and transport solutions. The MAN, ERF (GB) and STAR (Poland) truck brands, together with MAN and NEOPLAN buses are all part of the MAN Commercial Vehicles Group. We have five main production sites in Germany: Munich, Nuremberg, Salzgitter, Pilsting and Plauen. We also have processing plants in Vienna and Steyr (Austria), as well as in Posen, Starachowice and Krakau (Poland). In a joint venture with Force Motors Ltd. in India, we have been producing heavy trucks for the Indian market since October 2006 - and exporting them since the fourth quarter of 2007.

MAN Commercial Vehicles pursues an international growth strategy, one which extends beyond the core market of Europe to encompass the growth markets of Asia, Eastern Europe and Russia.

Human Solutions GmbH

Human Solutions GmbH is a global software and system house with around 70 employees in Kaiserslautern, Germany and Detroit, USA. The company develops and sells hardware and software solutions for body scanning, ergonomics and simulation applications. Human Solution's current customer list contains more than 300 names - these include well-known companies like Daimler, BMW, Volkswagen, Airbus Industries and the US and Swiss Armies, plus retailers like the chain stores Karstadt and Kaufhof, fashion houses like Hirmer und Engelhorn, apparel manufacturers such as Odermark, Scabal, van Laack and many, many more.

The Automotive industry

For the past 20 years, Human Solutions has been creating solutions for the simulation of human beings and the electronic acquisition of their measurement data. Over 70% of all automotive manufacturers worldwide use the human model RAMSIS for the ergonomic calculation of movement sequences.

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