

PRESS RELEASE

Humanetics Group acquires Human Solutions and Avalution

The world's pioneer of vehicle occupant safety acquires the world's leader in human ergonomic digital design.

Kaiserslautern/Farmington Hills, MI, USA, March 2, 2021 – The Humanetics Group, the global leader in safety testing and developer of biofidelic crash test dummies, software modeling and custom sensor solutions, is pleased to announce the acquisition of Human Solutions GmbH and Avalution GmbH, leaders in virtual ergonomic design software. Through the acquisition, Humanetics adds critical tools used by vehicle designers around the globe to develop interior environments for occupants that are safe, comfortable and ergonomically pleasing. Human Solutions and Avalution will continue to be led by the current management team from their headquarters in Kaiserslautern, Germany, and satellite offices in Munich and Cary, North Carolina.

For nearly 20 years, Human Solutions has led the mobility sector as the market standard for virtual ergonomics design through its RAMSIS software. Avalution is a specialist in 3D body scanning and has the largest international database of human body dimensions and shapes. The combined tools are used by most major vehicle manufacturers, aerospace companies and defense groups. By leveraging its proprietary Avalution database containing over 100,000 custom body scans from around the globe, the RAMSIS software allows users to create virtual vehicle interiors and custom 3D CAD avatars that realistically simulate vehicle occupants to evaluate ergonomic and comfort parameters during the early stage of prototype development. Both are also used in the fashion industry, sports equipment and helmet design, and uniform and industrial clothing designers to ensure sizing is adapted for a broad range of body types and humans of all sizes.

Chris O'Connor, President and CEO of Humanetics Group, said "We are thrilled to welcome Human-Solutions and Avalution to the Humanetics Group. There is a very natural complimentary synergy in our solutions, customers, and capabilities. Both companies share a unique purpose that puts humans at the center of design and innovation. Both companies create highly sophisticated models of human bodies that enable engineers to design vehicles that keep humans safe, in proper position and in full control of the vehicle at critical moments in the driving experience."

What will the future bring?

“Bringing safety and ergonomics design and testing validation together is revolutionary. In the next 10 years our customers have a huge challenge to launch more electric vehicles with more advanced levels of semi-autonomous driving. We will help them accelerate their speed to market with our simulation models and validate their vehicles with physical testing and integration of safety and ergonomics together in a turn-key offering. With the largest global database of scanned bodies, we can help improve the equitable safety and comfort for all occupants. And with the Humanetics Group global footprint we can offer local support to RAMSIS in every market around the world,” added O’Connor.

The founder of Human Solutions and Avalution, Dr. Andreas Seidl, will continue to lead both companies as Managing Director. “For us, the integration into the Humanetics family of companies is the logical result of our ongoing corporate strategy”, noted Dr Andreas Seidl. “We have successfully completed several joint projects in the past together, so we are confident in the synergies of our expertise and cultures. By joining forces, we can maximize the value of our data and ergonomic expertise and make it available for other areas of vehicle development in the future, such as autonomous driving, which entails entirely different occupant requirements for a vehicle.”

Jeff Lewis, Chief Commercial Officer of Humanetics Group commented, “By adding these critical ergonomics design tools, we will be better able to address the increased risk of injury of many occupant groups of different gender, height, weight and age. This is not simply a marginal improvement – that is a paradigm shift in safety design. It will enable OEMs to maximize comfort, ergonomics and safety for a broader range of occupants. Further, with these developments we will bring the power of machine learning and simulation to the heart of equitable safety in transport. This will enable our customers to develop vehicles that further reduce injuries especially among more vulnerable occupants.”

The acquisition does not include the sister companies of Human Solutions and Avalution - Assyst GmbH, AVM GmbH and Sistemi Assyst (Lainate/Italy) - which will remain independent.

Financial terms of the agreement were not disclosed.

For more information visit our website at <https://humanetics.humaneticsgroup.com/> or reach out to our contact below.

About Humanetics

For over 65 years, Humanetics has been the leading global market designer, manufacturer and supplier of crash test dummies and calibration equipment, crash sensors and instrumentation, active safety testing equipment and services for autonomous vehicles and crash simulation software models. Humanetics serves industry leaders in a variety of high-growth markets including automotive, aviation, energy, medical, military and civil infrastructure. In the automotive sector alone, Humanetics serves 100% of the OEMs and Tier I safety suppliers worldwide. Humanetics has over 800 employees across 22 facilities strategically located around the world with its global corporate headquarters located in Farmington Hills, Michigan, USA.

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About Human Solutions

Human Solutions GmbH, based in Kaiserslautern, Germany, is the creator of RAMSIS, the world's leading digital manikin, with which vehicle interiors can be optimally designed to meet ergonomic requirements. The top 30 companies in the automotive industry work with software solutions from Human Solutions. The company also brings its ergonomics simulation expertise to other industries, including the ergonomic design of industrial workplaces. Human Solutions is active all over the world, with around 35 employees at the Kaiserslautern, Munich & Morrisville (USA) sites and partners in many other countries.

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