



## **Xsens and Ergoneers join forces to launch ergonomic analysis platform for the automotive market**

New update to Ergoneers' measurement and analysis software adds synchronous recording of motion capture patterns alongside behavioural and environmental data

**Enschede, Netherlands, February 2019** – Xsens, the inertial-based motion capture provider, has today announced a partnership with Ergoneers, the developers of measurement and analysis software solution D-LAB, providing a fully-integrated solution for the automotive market.

Xsens MVN technology captures motion with on-body sensors, negating the use of cameras. The motion capture engine is immune to magnetic distortions, setting it apart from other inertial motion capture systems. The integration could unlock key data analysis around motion for autonomous driving studies, automotive manufacturing, and ergonomic testing.

Xsens MVN Analyze solution integrates seamlessly within the D-LAB interface, allowing synchronous recording of body motion capture patterns along with other behavioral and environmental data capture such as eye tracking, physio, and video.

D-LAB is a powerful data acquisition and analysis software that supports the complete study cycle – from planning to synchronous data capturing and analysis with a whole set of visualization options.

**Peter Hartman, Business Development Manager at Xsens, comments: “We are proud to be partnering with Ergoneers for this new D-LAB integration. This marks an important step in our development into the automotive industry.”**

Xsens' MVN Awinda system uses 17 motion sensors to capture movement data of one or more people. The data is wirelessly transmitted to a pc running D-LAB.

This new integration is one of a number of freely configurable modules that plug into D-LAB's robust framework. Users researching human behaviour can synchronously capture, record and analyse data from multiple sources, including eye tracking, CAN bus data, a comprehensive set of physiological sensors, motion capture, and video, allowing for more complete, accurate and holistic conclusions to be drawn. In addition, it is possible to synchronously display the movements as 3D visualization in D-LAB.

**Günter Fuhrmann, COO of Ergoneers, comments: “D-LAB gives a holistic view of human behaviour by having the power to connect multiple sensory trackers. Understanding**



**motion has become an increasingly key component and Xsens' powerful inertial-based motion tracking solution was a perfect fit to provide the most detailed analysis.”**

D-LAB has been used to analyse behaviour in vehicle research, production ergonomics, sports science, biomechanical, medical research, workplace design, architecture studies, virtual reality and more.

Xsens mocap systems have powered numerous global clients across the automotive, industrial, sports science and biomechanical industries and in research departments of many universities around the world.

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#### **About Ergoneers**

Ergoneers GmbH was founded in 2005 as a spin-off from the faculty of Ergonomics at the Technical University of Munich. Today the company has a worldwide presence through offices in Geretsried (Germany) and Portland (USA) and through global sales partners; serving the Transportation / Automotive, Market Research & Usability, Science and Sports / Biomechanics application areas. In addition to development, manufacturing and distribution of measurement & analysis systems for behavioral research and optimization of human-machine-interaction, Ergoneers also offers comprehensive expertise in each phase a study circle.

#### **About Xsens**

Xsens is the leading innovator in 3D motion tracking technology and products. Its sensor fusion technologies enable a seamless interaction between the physical and the digital world in applications such as industrial control and stabilization, health, sports and 3D character animation. Clients and partners include Electronic Arts, NBC, Universal, Daimler, Autodesk, ABB, Siemens and various other leading institutes and companies throughout the world.

Xsens has offices in Enschede, the Netherlands and Los Angeles, California.

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