

## Cooperation between HoloMetrix and HEAD acoustics - award-winning augmented reality measurement system

With the Sound HUB, HoloMetrix GmbH offers its customers an augmented reality solution that virtually simulates the test setup of sound measurements in the real environment using AR glasses (HoloLens 2). Through the cooperation with HEAD acoustics, the world leader in the holistic analysis of sound and vibration, the AR application is now integrated into the entire measurement chain. The jointly developed interface between Sound HUB and ArtemiS SUITE, the HEAD acoustics software for sound and vibration analysis, makes it possible to configure the measurement setup on the PC and transfer it to the AR glasses with just one click. Afterwards, the measurement can be started directly.

### Synergies from the interface between Sound HUB and ArtemiS SUITE

The interface between Sound HUB and ArtemiS SUITE offers a number of synergy effects. For example, the test setup is first configured in ArtemiS SUITE and then transferred to the AR glasses with just one click. The operator sees the virtual test setup directly through the AR glasses and can conveniently align the measurement sensors (SI probe or measurement microphones) to the specified positions. Time-consuming measurement setups or tape markings, as used in the past, are now no longer necessary. As soon as the measurement has been carried out at a measuring point, the measurement data is sent to ArtemiS SUITE and can be evaluated directly after the entire measurement has been completed. This immediate transfer of the measurement data means that faulty measurements can be detected immediately and repeated if necessary. Due to the fact that the virtual test setup and the measurement software are directly connected, it is possible to start measuring directly without having to interrupt the work.

### German Innovation Award

The Sound HUB recently received the German Innovation Award in the "Gold" category. This award honors companies that excel with their new, forward-looking technologies, processes or services.

"The Sound HUB offers a significant step forward from the usual procedures offering an impressive demonstration of what measurements will look like in the future," said the jury in its statement.

### Cooperation statement

"We are pleased to have such a renowned partner as HEAD acoustics at our side. Through the cooperation, we were already able to learn a lot during the development. We are sure that many synergies will also result from our cooperation in the future and are looking forward to the common future full of optimism," says the managing director of HoloMetrix GmbH, Alexander Pfaff

For more information about HEAD acoustics visit: <https://www.head-acoustics.com/de>

For more information about HoloMetrix visit: <https://holo-metrix.com/>

## About HoloMetrix:

HoloMetrix GmbH, based in Erzhausen near Frankfurt am Main, is an innovative start-up founded out of the Frankfurt University of Applied Sciences. The company develops solutions to simplify complex technical tasks in everyday work. By using augmented reality, acoustic measurements are made intuitive and time-efficient. In concrete terms, the added value lies in the fact that the standard-compliant measurement positions no longer have to be measured out at great expense. They are automatically specified to the measurement technician through augmented reality glasses. In addition, HoloMetrix GmbH offers acoustic service measurements of products of all kinds. By optimizing the technical acoustics of these products, the company supports its customers in meeting increasingly stringent acoustic requirements, giving them a competitive advantage. HoloMetrix GmbH was founded in September 2020 and its product range is aimed primarily at customers from the manufacturing industry, research and development departments, and machine and plant manufacturers.

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