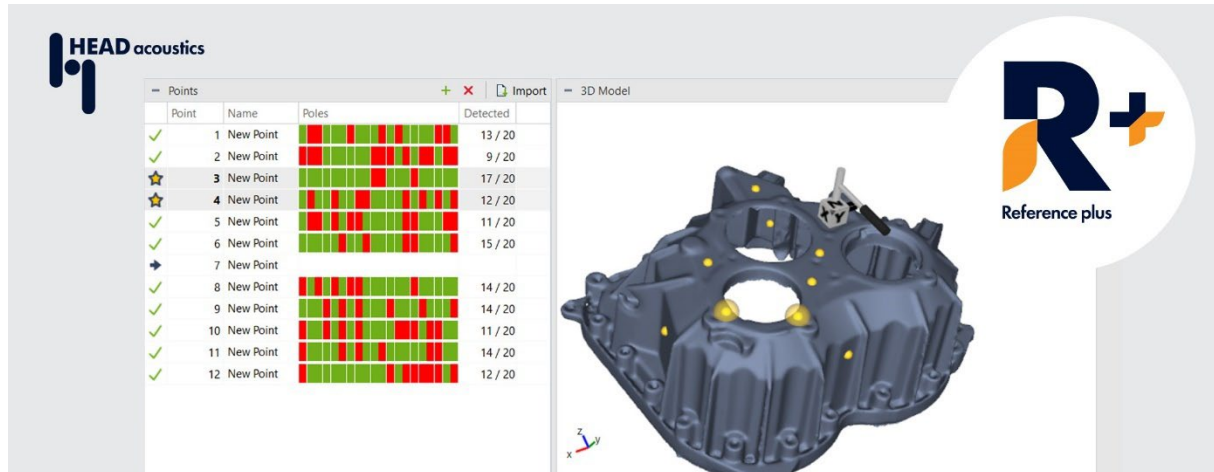# New ArtemiS SUITE 16.5 Release

ArtemiS SUITE is the most comprehensive and convenient modular software for measuring and analyzing sound and vibration, including AI-enabled structural dynamics. It helps users optimize product sounds and environmental noise emissions and combines powerful tools in a standardized software environment. With the extensively improved and enhanced 16.5 release, ArtemiS SUITE becomes even more versatile, capable, and user-friendly.

Highlights and news in AS 16.5

Reference+ is a new ArtemiS SUTE module that fully automates reference point determination for modal analysis. It is a game-changer for structural analysis regarding reference point determination. The unique technology combines a Neural Network with state-of-the-art algorithms, enabling users of all experience levels to achieve higher curve-fitting performance and more complete shape tables.

Reference+ provides high-quality, user-independent results that are markedly better than manual alternatives. It significantly reduces the risk of costly and time-consuming re-runs that can result from selecting unsuitable reference points.

Dedicated Shaker Features (APR 040) for the ArtemiS SUITE Recorder include a new Shaker Configuration Tab, consolidating the relevant settings for quick shaker measurements. The latest Online Monitor analyses show transfer functions and coherence, ensuring users have everything they need for efficient shaker measurements.

With our dedicated shaker hardware _lab_V12-O4 II and easy-to-use inertial shakers from Qsources, you will get the most out of your investigations.

The TPA Project (APR 620) now validates TPA models through **synthesis fidelity calculation**. It allows you to summarize paths within a validation group, making it easier to compare measured and synthesized source strengths in validation measurements (Synthesis Fidelity).

SQala Lite is our new entry-level solution for objective listening tests. It is ideal for analyzing audio products, vehicles, and consumer preferences. SQala Lite offers two basic standardized methods for a precise sound quality assessment through jury tests: categorical evaluation and ranking. The user-friendly, intuitive interface makes using the various listening test steps quick and easy, including subject information, demo sounds, and interviews. SQala Lite is an upgradeable solution, so users can upgrade to SQala Basic and SQala Net/Server to access even more advanced features and greater functionality.

MDF4 Import (ASP 707) of ArtemiS SUITE enables the import of the ASAM Measurement Data Format.

Overall improvements in AS 16.5
- Pattern Editor UI refresh
- Improving labeling properties for statistics in both the Pool and Automation projects
- Usability improvements for
    - editing multiple selected processes
    - filtering the view of processes and sequences

If you want to learn more about how ArtemiS SUITE 16.5 can enrich your workflow and improve your results, contact us at info@head-acoustics.com**!**

About HEAD acoustics

HEAD acoustics GmbH is one of the world's leading companies offering holistic sound and vibration analysis solutions. In the telecom sector, the company enjoys global recognition due to its expertise and pioneering role in developing hardware and software for measuring, analyzing, and optimizing voice and audio quality, as well as customer-specific solutions and services. HEAD acoustics' range of services covers sound and vibration engineering for technical products, investigation of environmental noise, speech quality engineering, training, and support. The medium-sized company from Herzogenrath near Aachen has subsidiaries in China, France, India, Italy, Japan, South Korea, the UK, the USA, and numerous sales partners worldwide.