Press Release
Herzogenrath, December 04, 2025

New release: ArtemiS SUITE 17.5

HEAD acoustics continues to optimize its modular software platform for the analysis of sound and vibrations. In addition to extensive improvements to the performance of various modules, the new release focuses primarily on an even more user-friendly module structure for transfer path analysis (TPA) and improved reporting functions.

Blocked Forces with APR 600

The licensing of the TPA Project has been modified. The old APR 620 has been replaced by the new APR 600 TPA Project and acts as a TPA Project basic module with a focus on Blocked Forces. The basic module can be expanded with optional modules to meet specific functional requirements. **This makes it easier than ever to get started with blocked forces in accordance with the standard.**

Documentation and exchange of results have so far been time-consuming and highly dependent on individual user workflows. With the current solution, both steps can now be executed automatically and consistently via one-click operation.

The APR 600 module enables the calculation of Blocked Forces according to ISO 20270:2019, structured documentation of results through the integrated reporting function, and the transfer of all data and models in a standardized format. The final component for full standards compliance—the automated, ISO-aligned report generation—is expected to become available with AS 18.0.

The modular concept offers maximum flexibility and functionality: **The blocked forces method supported by APR 600 is the key to smooth model and information exchange among OEMs, suppliers, and their partners.** It enables independent source description, facilitating integration across different environments and **laying the foundation for hybrid methods and digital twins**. ISO 20270:2019 standardizes this approach for the first time, making transfer path analysis future-proof, efficient, and globally comparable.

With the **optional modules** ASP 602 (TPA Structure-Borne Analysis) and ASP 603 (TPA Airborne Analysis), you can **expand APR 600** with functions such as binaural path contribution synthesis and build up your TPA engineering capabilities individually – step by step and exactly according to your needs.

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- **Cost-optimized** entry into standard-compliant blocked force calculation thanks to the basic module principle
- **Standardized and comparable results** for easy exchange
- **Flexible expandability** for engineering tasks through optional modules with more information and export options

Impact Measurement with APR 430

For an optimized and consistently user-friendly workflow, the APR 430 Impact Measurement module now offers direct support for the APR 610 TPA data acquisition module. Reliable TPA results are fundamentally based on precise and consistent acquisition of transfer functions. During measurement, APR 430 automatically monitors common error sources such as double hits or bounces, insufficient coherence, and over- or under-load, discarding invalid datasets immediately. As a result, only valid FRFs are passed into the TPA model, eliminating the need for time-consuming post-processing or manual data sorting.

APR 020 Report and APR 021 Comparison Report

The Comparison Mode in **the Report project** has been improved to offer greater flexibility and user-friendliness, enabling users to analyze data more efficiently.

- **Improved user interface:** The previous toggle buttons for activating Comparison Mode have been replaced by a selection button with clearer text labels.
- **Export**: Comparison Mode is now automatically applied during export (PowerPoint or PDF) when comparisons are available. This saves time and reduces manual steps for users.
- **Editing with Comparison Mode enabled**: Users can now add new content and pages even when Comparison Mode is enabled, streamlining the report's editing process and supporting more dynamic workflows.

The Comparison Report project has been expanded to include a new client to support **standardized test projects**.

- **Support for new project types**: Standardized test projects can now be processed in the Comparison Report project in a similar way to automation projects.
- **Uniform user interface:** The user interface, including the job pool and properties pages, remains identical to the automation workflow to ensure a smooth transition.

Further improvements make the Comparison Report more versatile and enable results from standardized test projects to be analyzed and compared in a consistent manner.

- **Job processing**: Jobs are based on complete data sets rather than individual HDF files.
- **Variable usage**: Variable changes for processing the standardized test project are also possible in the Comparison Report project for any test conditions.

We have implemented several improvements to optimize the workflow within the Comparison Report project, such as automatic loading of information from projects, data caching, and job selection.

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Overall Improvements in ArtemiS SUITE 17.5

In our endeavor to optimize the user experience and workflow of ArtemiS SUITE, we have further improved several key aspects.

Contact us for more information 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 company from Herzogenrath near Aachen in Germany has subsidiaries in China, France, India, Italy, Japan, South Korea, the UK, the USA, and numerous sales partners worldwide.

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