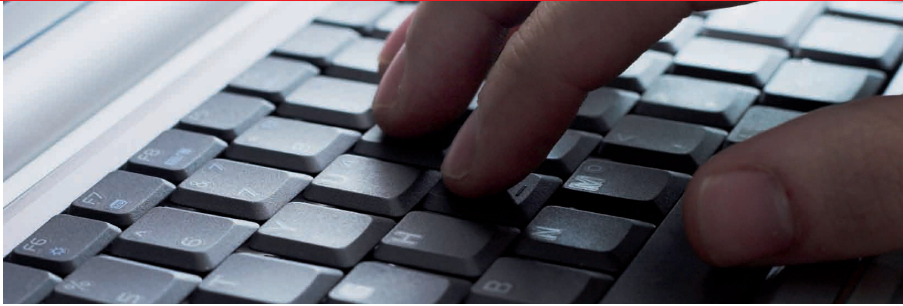


Get the help you need for your acoustic CAE projects



Overview

Acoustic CAE services by Free Field Technologies (FFT)

Free Field Technologies, the developer of the Actran acoustic, vibro-acoustic and aero-acoustic CAE software suite, also provides related technical services to its customers: technical support, training, technology transfer, methodology development, onsite or off-site consulting, custom developments.

Our engineers team timely answers to technical support questions from our user community all over the world. FFT's consulting teams in Brussels, Toulouse, Troy and Tokyo may also help you reach your acoustic design goals through off-site projects, on-site assistance, methodology development and deployment missions or technology transfer initiatives. Our team is highly efficient in applying the Actran software for solving the most challenging acoustic problems. This goes through the entire chain of acoustic numerical prediction: starting from the CAD model through the mesh generation up to the thorough post-processing and analysis of the results output by Actran. Our services also rely on other CAE tools such as meshing tools, CFD software packages, structural analysis codes, or Python scripts and more. FFT's development group also develops custom Actran solution sequences and requested tuning for supporting your special needs. Actran installation and HPC optimization for your IT infrastructure are also available.

Sample projects

- Vibro-acoustic optimization of a multi-layered automotive windshield
- Aircraft APU inlet liner optimization
- Aero-acoustic analysis of HVAC systems
- Vibro-acoustic analysis of a satellite antenna under random acoustic loads
- Vibro-aero-acoustic study of car side mirror noise transmission through the sidewindow into the passenger compartment
- Develop automation chain for gearbox sound radiation analysis
- Optimization and tuning of Actran on a 256 proc. cluster



FFT is very active within the scientific community, constantly providing more innovative solutions.



FFT is known for the high quality of its hotline support and on-site assistance.



FFT helps you harness the full power of your high performance computing resources.



Maximize your CAE investments through our technology transfer services.

Our strength

- Flexible training sessions: basic and advanced, standard and custom designed, on-site or off-site, hands-on or theoretical training
- Timely and professional hotline support
- On-site assistance
- Short or long, unique or recurrent consulting projects and engineering services
- CAE Integration services
- High-performance computing consulting including installation, optimization, integration and customization services
- Acoustic CAE methodology development and deployment
- Technology transfer services
- Access to professional mesh tools, CFD software and FEA solver (MSC Nastran)
- High-performance computing resources

View Actran videos on 

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