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OUR PRODUCTS
INSTRUMENTATION & SOFTWARE

**Transform Your
Sound Environment**





Experience Cutting-Edge Noise Measurement with GeoNoise

Unlock the power of precision with GeoNoise's state-of-the-art instrumentation designed for accurate and reliable noise measurement. Explore our instrumentation and software products range today and take the first step towards superior noise management.



SOUND LEVEL METER

Sound Level Meter IEC61672-1

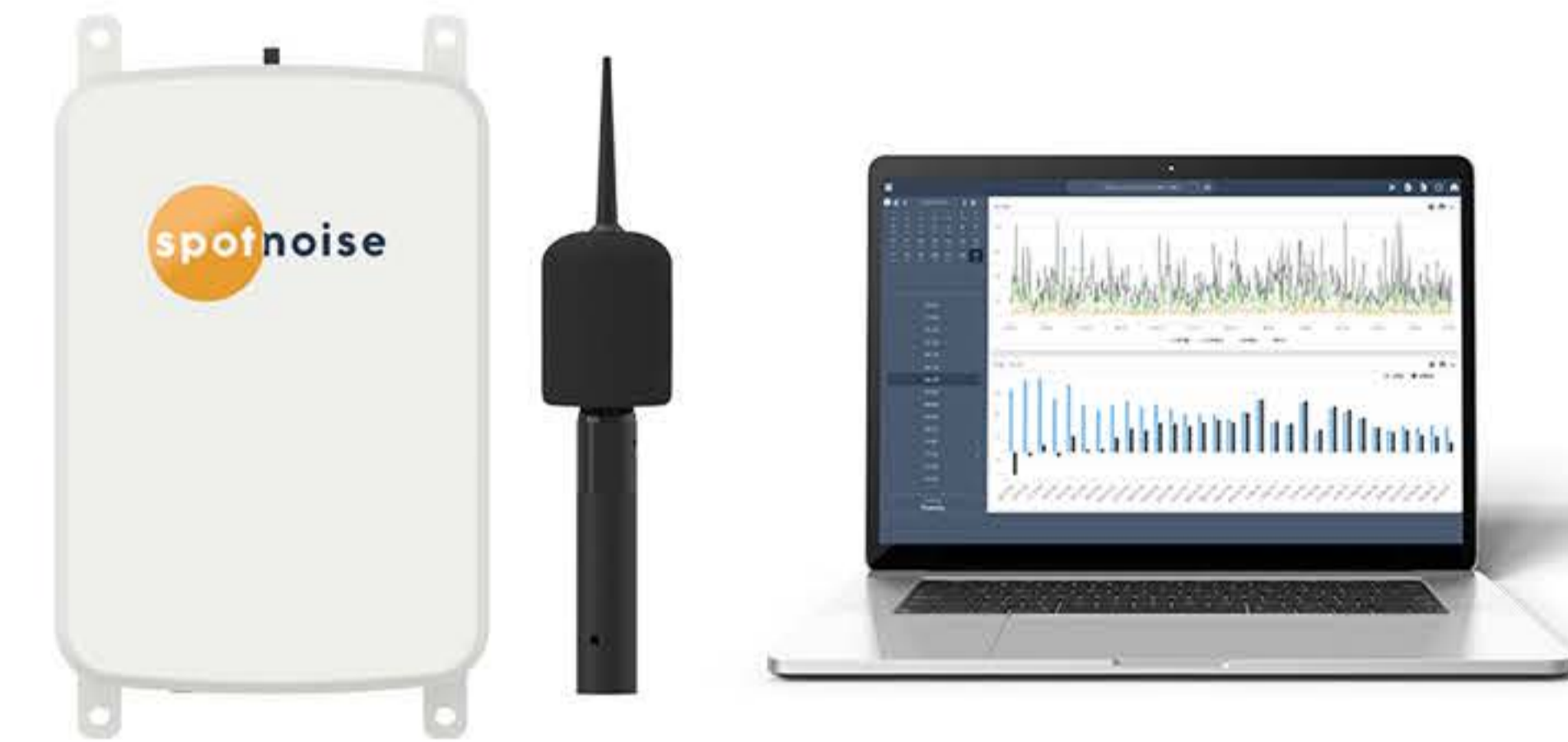
GeoNoise offers a comprehensive suite of advanced tools for all your noise measurement needs. Our general-purpose noise level meters are perfect for environmental noise surveys, product testing, and assessing noise hazards in the workplace. Whether you're conducting environmental noise assessments or evaluating building acoustics, our instrumentation provides precise data with 1/1 and 1/3 octave band frequency analysis and Fast Fourier Transform (FFT). Additionally, our equipment supports audio recording and interfacing, and includes STIPA (Speech Transmission Index for PA systems) for evaluating public address systems. With GeoNoise, you get a complete solution for accurate and effective noise management.



VIBRATION METER AND ANALYZER

Building Vibration & Vibration Analyzer

GeoNoise Asia provides comprehensive vibration monitoring solutions designed to address a wide range of applications. Our advanced vibration dataloggers and analyzers offer precise measurements for various scenarios, including building, mining, and machine vibrations. We also specialize in monitoring human vibration impacts, such as hand-arm and whole-body vibration, ensuring safety and compliance in diverse environments. Additionally, our technology supports ship vibration analysis, delivering accurate data for both industrial and maritime needs. With GeoNoise Asia's expertise, you can effectively manage and analyze vibrations to enhance operational efficiency and safety.



ENVIRONMENTAL MONITORING

Noise Monitoring System

GeoNoise's advanced noise measurement solutions adhere to the stringent IEC61672-1 Accuracy Class 1 standards, ensuring top-tier precision. Our instruments measure key parameters such as SPL, LEQ, and various statistical values including L1, L5, L10, L50, L90, L95, L99 and Lmin, Lmax, Lpeak. Features include high-resolution audio recording, 1/1 and 1/3 octave band frequency analysis, and connectivity options through Wi-Fi and LAN. Benefit from online and optional off-line data visualization for insightful analysis. For enhanced functionality, our systems offer optional relay outputs for external sensors and 4G communication capabilities, providing comprehensive, flexible, and real-time noise management solutions.



ACOUSTIC TRANSDUCER

Microphone and Vibration

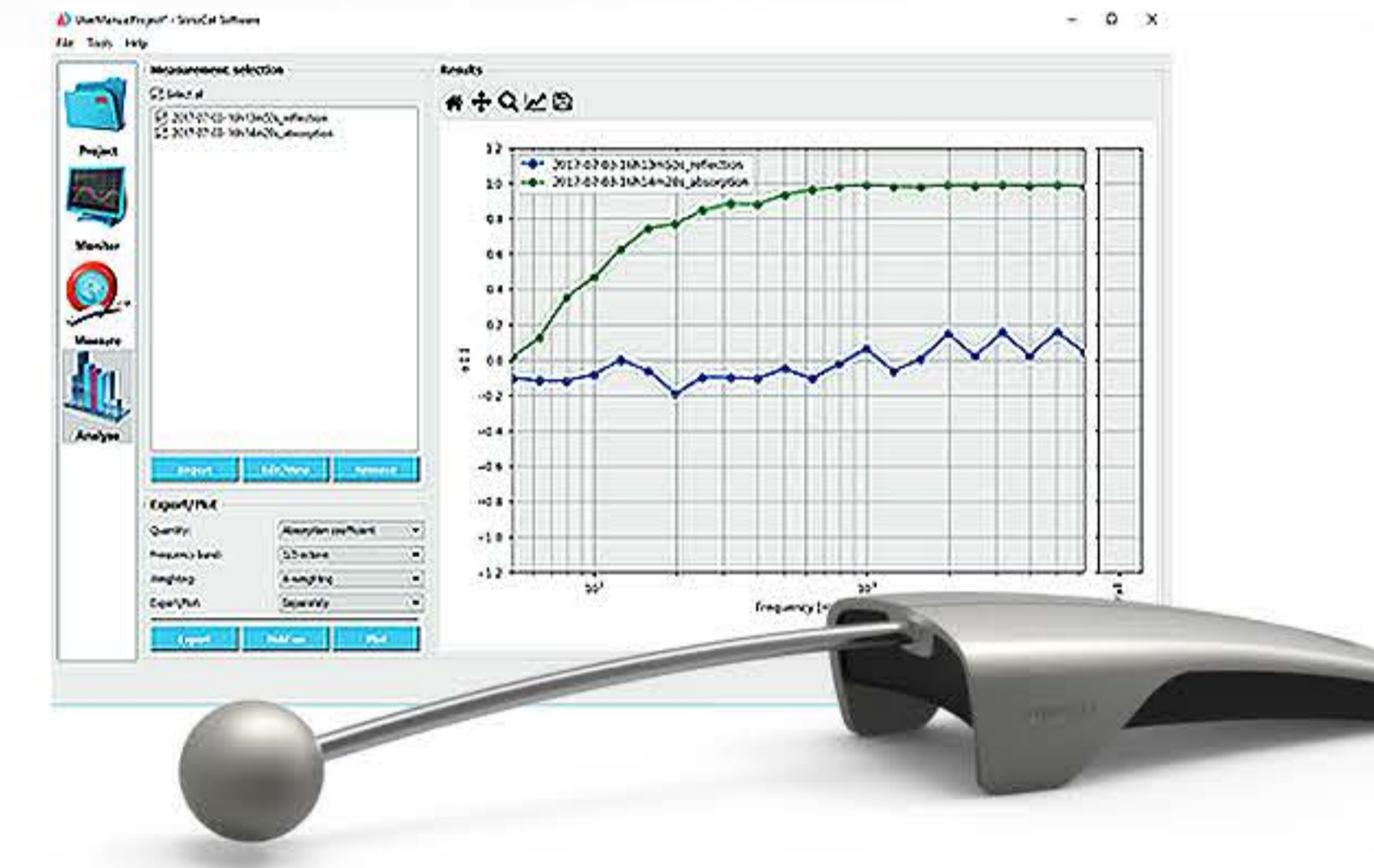
GeoNoise provides a versatile range of measurement tools tailored to diverse applications. Our advanced systems feature high-quality microphone capsules and preamplifiers for precise audio capture, alongside accelerometer sensors for detailed vibration analysis. Designed to meet the needs of various industries, including rail and transportation, university research, ship industry, automotive, and electronic appliances, our equipment ensures reliable performance across a broad spectrum of environments. Whether you're studying noise in academic settings or assessing sound and vibration in industrial applications, GeoNoise delivers the precision and adaptability required for accurate and effective analysis.



ACOUSTIC MATERIAL TESTING

Impedance Tube System

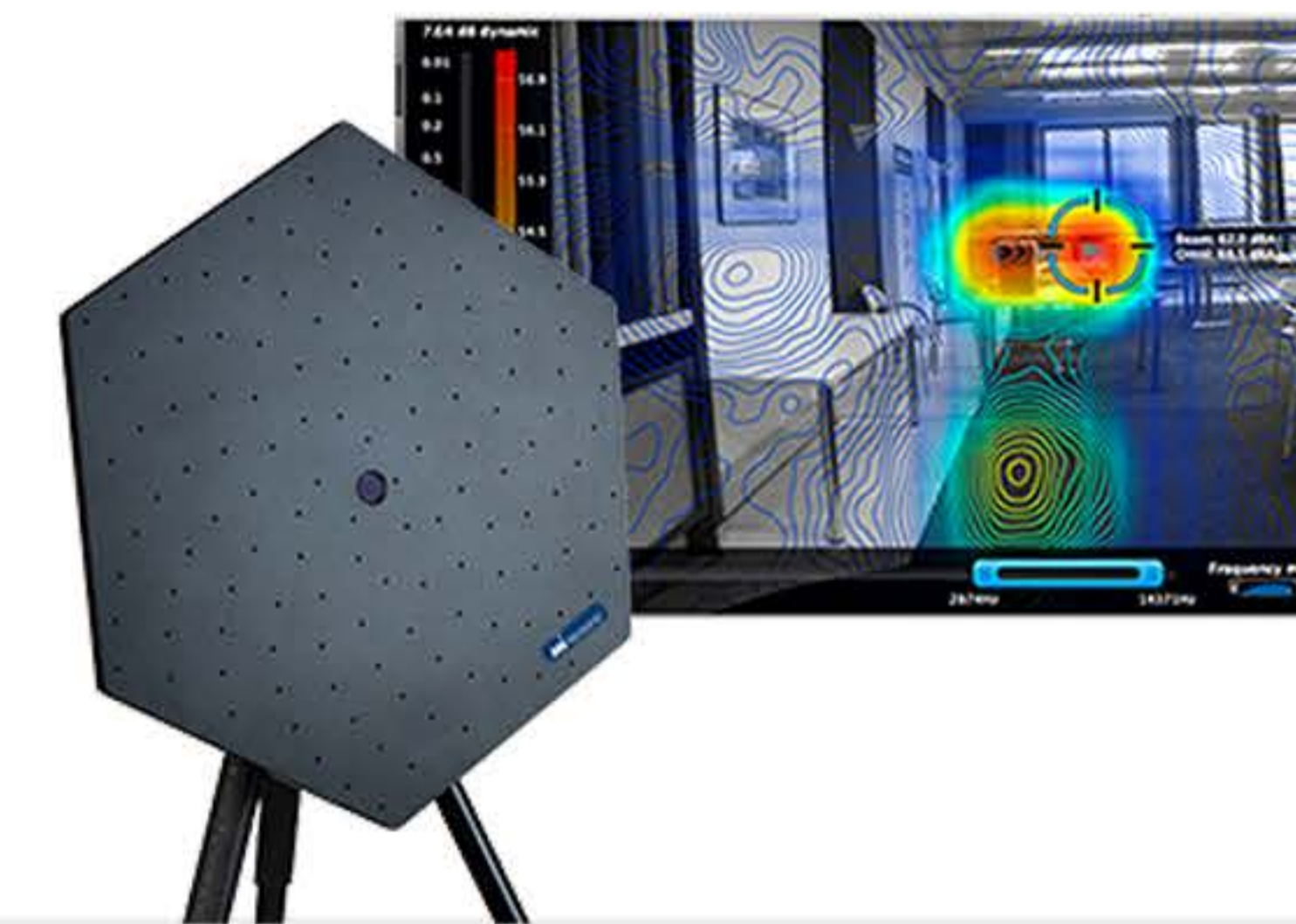
GeoNoise offers advanced solutions for comprehensive acoustic analysis, including sound absorption, sound transmission loss, and sound reflection measurements. Our equipment is designed to meet rigorous standards, such as ISO 10543-2, ASTM E1050-08, and ASTM E2611-09, ensuring precise and reliable results. Whether you're evaluating acoustic performance in building materials or conducting detailed environmental assessments, our tools provide the accuracy and adherence to industry standards you need for effective sound management and analysis.



SPECIALIZED ACOUSTICAL TESTING DEVICE

Sonocat 3D

GeoNoise delivers versatile noise measurement solutions with its general-purpose noise level meters, ideal for a range of applications including in-situ sound absorption testing and product noise evaluation. Our advanced instruments accurately measure sound power and intensity, ensuring comprehensive acoustic analysis. With capabilities for high-quality sound recording, GeoNoise provides the tools you need for precise noise assessment and effective sound management across various environments and industries.



ACOUSTIC CAMERA

Sound Source Localization

GeoNoise Asia introduces our state-of-the-art acoustic camera, designed to revolutionize your approach to sound analysis. This advanced tool excels in pinpointing sound sources with high precision, checking for noise leakage, and conducting thorough product noise testing. It also features exceptional capabilities for localizing moving sound sources and performing detailed acoustical spectrogram analysis. With our acoustic camera, you gain unparalleled insights into complex sound environments, enhancing your ability to manage and optimize acoustic performance across various applications.

OUR SOFTWARES



SoundPLANnoise & SoundPLANmanda
SoundPLANnoise offers you the necessary tools and libraries that you need to execute your projects in all areas of application. Whether it's a noise study for a building development plan, expert noise reports at the workplace, or noise remediation. SoundPLANmanda is our mapping and analysis software for occupational noise. With the program-supported calculation of noise exposure at the workplace, risk assessment becomes child's play.



Sarooma
Sarooma is a sophisticated acoustic simulation software designed to optimize room acoustics and sound environment analysis. Ideal for architects, engineers, and acoustic consultants, Sarooma offers advanced tools for detailed sound field analysis, including reverberation time calculations, sound absorption, and reflection modeling.



SONarchitect
SONarchitect ISO is a software solution for architectural acoustics and noise control, designed to meet ISO standards for precise acoustic simulation and analysis. This powerful tool provides in-depth capabilities for evaluating sound insulation, reverberation, and acoustic comfort in building designs. With its user-friendly interface, enables professionals to model complex acoustic environments, assess compliance with international standards.



FEMtools
FEMtools is used to perform many CAE tasks, especially to integrate FEA with test (CAT) or to extend and customize the functionality of standard tools (pre/post processors, solvers). FEMtools is commonly used for structural dynamics simulation, integrating test and FE analysis, design optimization, probabilistic analysis, and automating CAE processes.