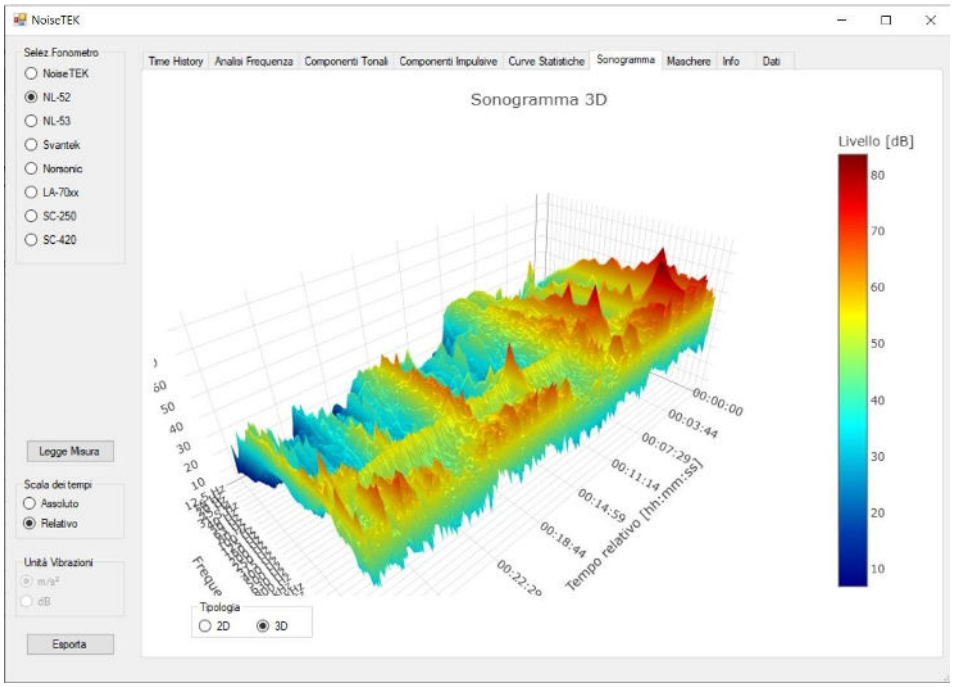
SOFTWARE FOR THE DAY-TO-DAY WORK OF ACOUSTICS PROFESSIONALS

Understand the measurement. Develop the project.

In-depth data analysis and applied acoustics projects, all in one workspace.



3D sonogram | Interpretation of spectral evolution over time

ANALYZE

Examine levels, spectra and events to understand the measured phenomena.

INTERPRET

Compare contributions and identify meaningful information.

APPLY

Organize multiple measurements into application-specific projects.

Compatible with measurement files from different manufacturers in supported formats. Modular architecture and customizable documentation.

01 | MEASUREMENT ANALYSIS

From data to understanding

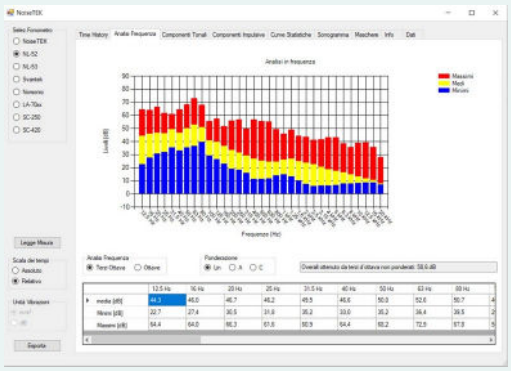
Every measurement contains information beyond the overall level: NoiseTEK helps interpret temporal trends and the characteristics of the acoustic phenomenon.

TIME HISTORY AND RUNNING Leq



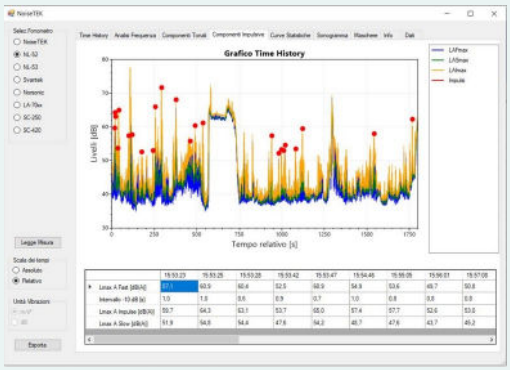
Parameter comparison, axis zoom, absolute or relative time, tooltips and individual sample details.

OCTAVE AND THIRD-OCTAVE SPECTRA



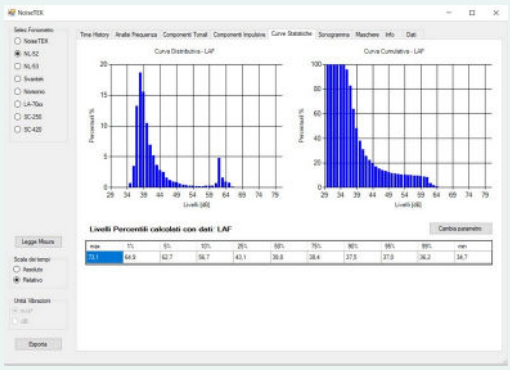
Minimum, average and maximum levels; octave and third-octave bands, A and C weighting and tonal component analysis.

IMPULSIVE EVENTS



Identification and visualization of impulsive events, with parameter comparison and a results table.

STATISTICS AND PERCENTILES



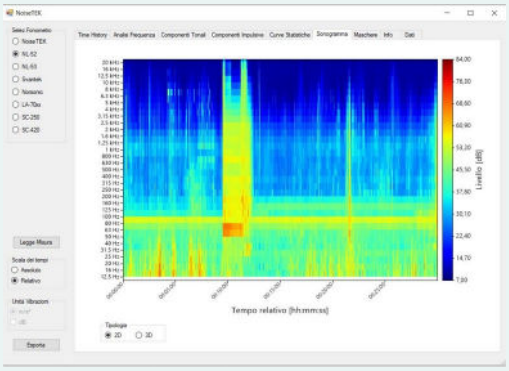
Distribution and cumulative curves and percentile levels to characterize noise variability.

02 | EVENTS AND ADVANCED ANALYSIS

Identify, listen, verify

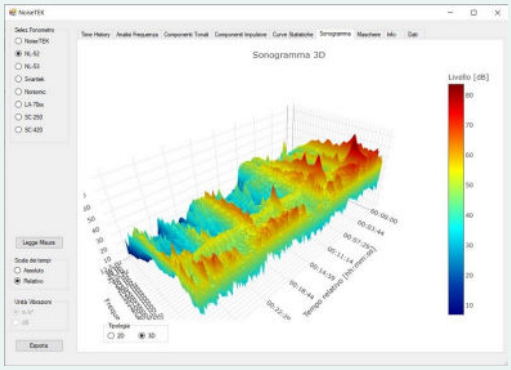
Interactive graphs and selection tools help distinguish significant events from extraneous contributions while preserving the original data.

2D SONOGRAM



Time-frequency-level map with navigation and point-by-point value inspection.

3D SONOGRAM



Rotatable surface, zoom and interactive inspection of time, frequency and level.

MASKS, MARKERS AND AUDIO



Manual and automatic masks, including those generated from markers and audio; synchronized playback.

REVERBERATION TIMES



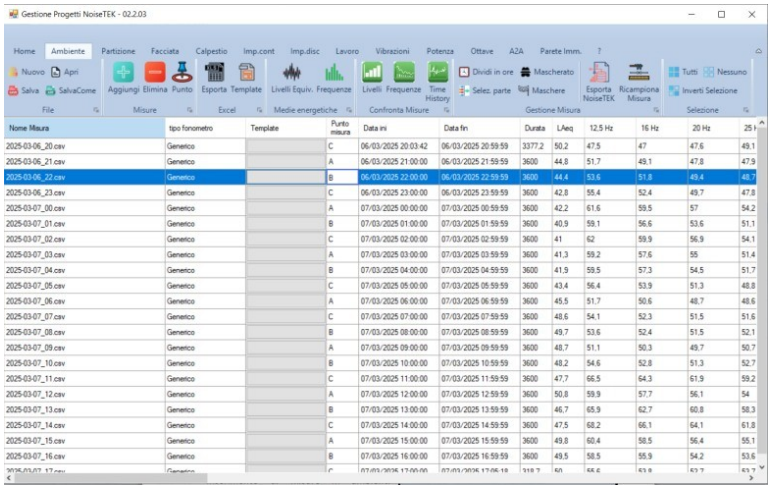
T20/T30 calculation, Schroeder integration, and review of decay curves and regression lines.

Informed analysis: processing results can be checked and reviewed by the professional.

03 | APPLIED ACOUSTICS PROJECTS

The project is the core unit of work

Acquisitions are assigned to measurement points, rooms, sources and technical roles, linking each measurement to the required assessment.

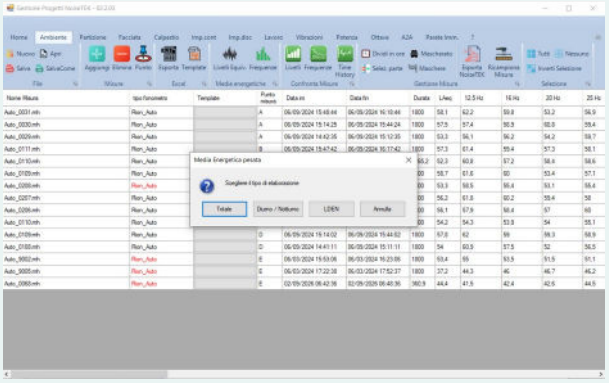


Environmental acoustics project: measurements organized by point, with data and indicators available in the grid.

ENVIRONMENTAL ACOUSTICS

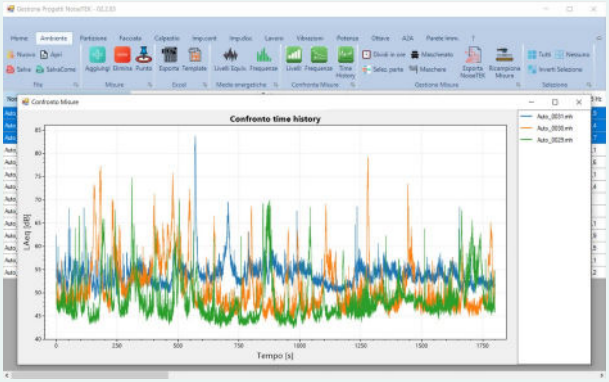
Measurement points, energy and spectral averages, daytime and nighttime periods, Lday/Levening/Lnight/Lden, comparisons and resampling.

ENERGY AVERAGING



Level processing by measurement point: overall, day/night or Lden indicators.

MEASUREMENT COMPARISON



Graphical comparison of multiple measurements with relative or absolute time alignment.

BUILDING ACOUSTICS

Partitions, façades, impact sound, continuous and intermittent building services: measurement role assignment, calculation of ratings and spectrum adaptation terms, and certificate export.

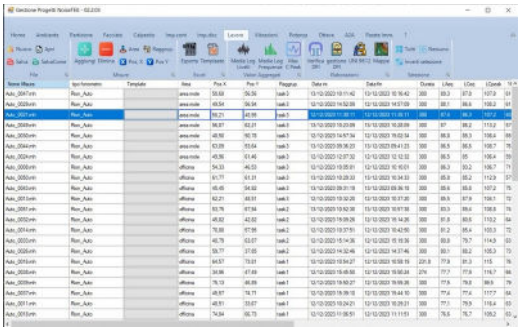
04 | SPECIALIST APPLICATIONS

One platform, multiple fields

For each field of applied acoustics, project tools address different operational requirements.

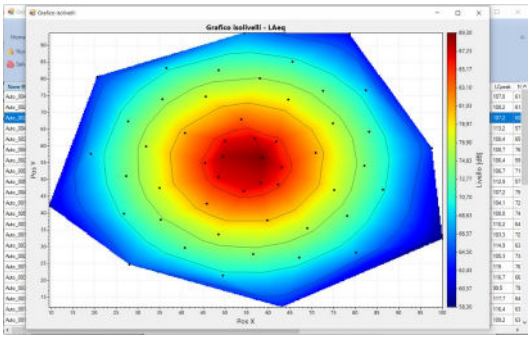
OCCUPATIONAL NOISE

Measurements by area, task and group; exposure assessment according to UNI EN ISO 9612; hearing protectors using OBM, HML and SNR.



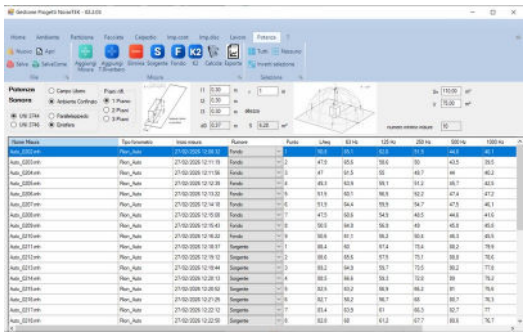
2D / 3D CONTOUR MAPS

Level distribution from X/Y coordinates: color maps, contour lines and three-dimensional visualization.



SOUND POWER

Sound power determination according to UNI EN ISO 3744 and 3746.



Available processing functions depend on the enabled modules and recorded parameters.

05 | WORKFLOW AND RESULTS

From project to actionable results

A single workflow makes it possible to import measurements, analyze them, apply specialized calculations and prepare deliverables.

01 IMPORT

Measurements from different instruments and compatible generic CSV files.

02 ORGANIZE

Projects, measurement points, groups and technical roles.

03 ANALYZE

Events, spectra, statistics, audio, masks and reverberation.

04 PROCESS

Calculations tailored to different fields of applied acoustics.

05 EXPORT

Data, charts, worksheets and reports using Excel templates.

INSTRUMENTS AND FILES

Supported formats from different instrument brands; import of compatible CSV and WAV data. Markers, audio and spectra depend on the file format and acquisition configuration.

DOCUMENTATION AND SUPPORT

Customizable Excel templates, CSV files, chart export, context-sensitive help, multilingual interface and licensing according to the purchased configuration.

Request a NoiseTEK demonstration

noisetek@ntek.it | +39 011 18 83 66 24 | www.ntek.it