

# TÜV SÜD ATISAE Enhances Environmental Acoustics with B&K 2245 and Enviro Noise Partner

TÜV SÜD ATISAE S.A.U. is a Spanish subsidiary of the global TÜV SÜD Group, specialising in technical inspection and certification services. Headquartered in Tres Cantos, Madrid, TÜV SÜD ATISAE plays a key role in ensuring industrial safety, environmental compliance, and vehicle inspection across Spain. TÜV SÜD Group serves a wide range of industries, offering services that include regulatory inspections, automotive consulting, and management system certifications, all aimed at promoting safety, quality, and sustainability.

## CHALLENGE

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TÜV SÜD ATISAE needed a more efficient and precise method for conducting environmental noise assessments, with real-time insights and minimal post-processing, while maintaining high standards of traceability and data integrity.

## SOLUTION

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By integrating the B&K 2245 sound level meter with the Enviro Noise Partner app, TÜV SÜD ATISAE enhanced its workflow with advanced marker-based signal coding, remote monitoring, and real-time acoustic analysis – all controlled via mobile devices.

## RESULT

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The new setup enabled faster, more accurate noise assessments, reduced the need for additional personnel, and empowered technicians to make smarter, on-site decisions. This led to improved resource efficiency and higher-quality outcomes for clients and communities.



## ADVANCED NOISE ASSESSMENT

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With over 20 years of experience in acoustics, TÜV SÜD ATISAE understands the importance of precision, traceability, and efficiency in environmental noise assessments. Central to this is the B&K 2245 sound level meter with the Enviro Noise Partner, which they've integrated into their workflow – an advanced solution that enables them to deliver a differentiated, value-added service in an increasingly technology-driven world.

### WHY THE B&K 2245?

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Providing this level of service demands cutting-edge tools, and B&K 2245, paired with Enviro Noise Partner, offers exactly that. Controlled via an iOS device (iPhone or iPad), it eliminates the risk of introducing spurious signals through manual button presses and allows the operator to maintain a sufficient distance from the equipment to avoid measurement interference.

One of the standout features of this sound level meter is its advanced marker-based signal coding. While this capability existed in the earlier B&K 2250/2270 series, the B&K 2245 brings a significant innovation: the ability to analyze acoustic indices for each marked interval, filtering out unwanted random events – such as impacts, barking dogs, or emergency vehicles – that often compromise environmental noise studies.



With up to four different markers, TÜV SÜD ATISAE are now able to:

- View both global and frequency-specific acoustic indices for individual intervals or groups of intervals marked with the same tag
- Overlay frequency spectra of different phases (for example, activity noise vs. background noise) to isolate and evaluate specific contributions – such as determining whether an emerging tone originates from the activity under analysis
- Use an “Exclusion” marker to filter out unwanted noise, ensuring cleaner, more reliable measurements in situ – without waiting for post-processing back at the office

## REAL-TIME INSIGHTS, SMARTER DECISIONS

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This real-time functionality enables more dynamic and informed decision-making in the field:

- Operational decisions, such as adjusting the measurement duration based on data representativeness
- Activity-specific decisions, like fine-tuning an extraction system or sound reinforcement levels without trial-and-error testing
- Remote monitoring and audio streaming

Another key advantage for TÜV SÜD ATISAE is the ability to listen to live audio via a mobile device during measurement. This allows technicians to monitor measurements remotely – ideal for indoor assessments or unannounced inspections – without needing to be physically present.

These advanced functions also allow TÜV SÜD ATISAE to improve resource management. Traditionally, additional personnel were required to ensure that sound conditions remained unaltered during tests. With remote control and live audio streaming, a single technician can now perform measurements independently, depending on the situation between the sound source and the sensitive receiver.

The B&K 2245 also supports third-octave band analysis, enabling detailed tracking of sound pressure levels over time. Combined with marker coding, this helps pinpoint and control specific noise sources with greater accuracy.

## CONCLUSION

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The B&K 2245 with Enviro Noise Partner empowers TÜV SÜD ATISAE to deliver faster, more accurate, and more efficient environmental noise assessments. With real-time insights and advanced remote capabilities, technicians can make informed decisions in the field – without waiting for post-processing – ensuring better outcomes for clients and communities alike.

