

**BRYX**  
POWERED BY KCI

# Faster Noise Analysis with SoundScanNX

Accurate traffic noise assessment is essential for engineers and planners to address existing noise conditions. Traditional methods rely on manual review of extensive audio recordings, a time-consuming process prone to subjectivity and human error. This labor-intensive approach significantly increases the inefficiency of noise impact studies.

The **BRYX SoundScanNX** machine learning model streamlines classification of audio recordings. This AI-driven model quickly processes audio recordings and isolates specific sounds. By automatically sorting traffic and non-traffic-related sounds, **SoundScanNX** drastically increases accuracy and consistency.

## Sound Sleuth at Work!

The model categorizes environmental noise into two primary groups:

### Traffic Sounds:

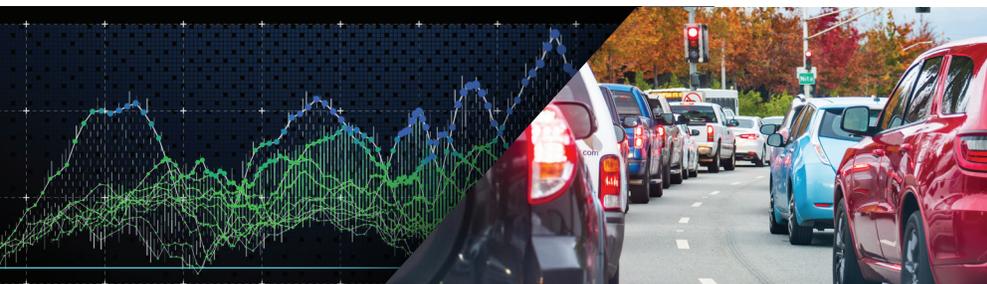
- Cars (*tire squeals, horns, sirens, modified mufflers*)
- Motorcycles
- Trucks

### Non-Traffic Sounds:

- Airplanes
- Birds
- Dogs
- Lawn Equipment
- Music
- Voices

For more information contact us at [sales@gobryx.com](mailto:sales@gobryx.com)

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## Efficient Noise Classification

By distinguishing traffic noise from non-related-traffic noise, **SoundScanNX** ensures that analyses focus exclusively on relevant sounds. This automation enhances objectivity, reproducibility, and the efficiency of sound reporting.

## Precise Source Recognition

**SoundScanNX** accelerates noise analysis by automatically differentiating between vehicle types such as cars, trucks, and motorcycles. Expediting evaluation of complex noise information allows engineers to pinpoint problem noise sources quickly and accurately. With clear, quantifiable noise metrics, teams can optimize planning and mitigation strategies and ensure optimal solutions for reducing overall noise levels in urban and transportation environments.

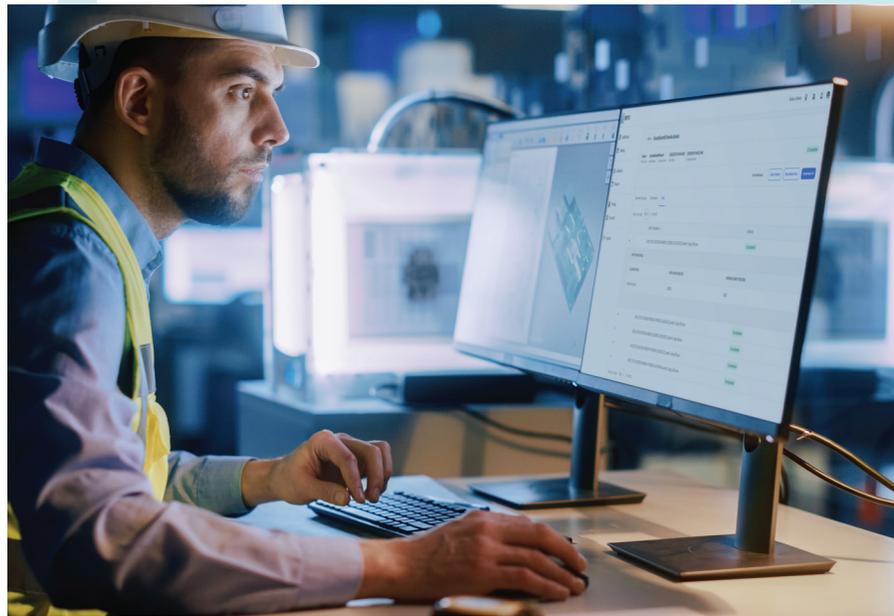
## Fast-Tracking Identification

Designed for easy integration into existing urban planning workflows, **SoundScanNX** eliminates tedious data sorting, allowing professionals to focus on strategic decisions.

## Enhanced Compliance & Optimized Resources

Accurate noise segmentation ensures regulatory compliance while improving resource allocation. By identifying noise sources—whether traffic or environmental—**SoundScanNX** helps engineers and planners direct mitigation efforts where they're needed most, ensuring resources are spent effectively on targeted, impactful solutions.

Leveraging reliable data, organizations can create quieter, healthier urban environments while enhancing traffic flow and development for smarter, more sustainable management.



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