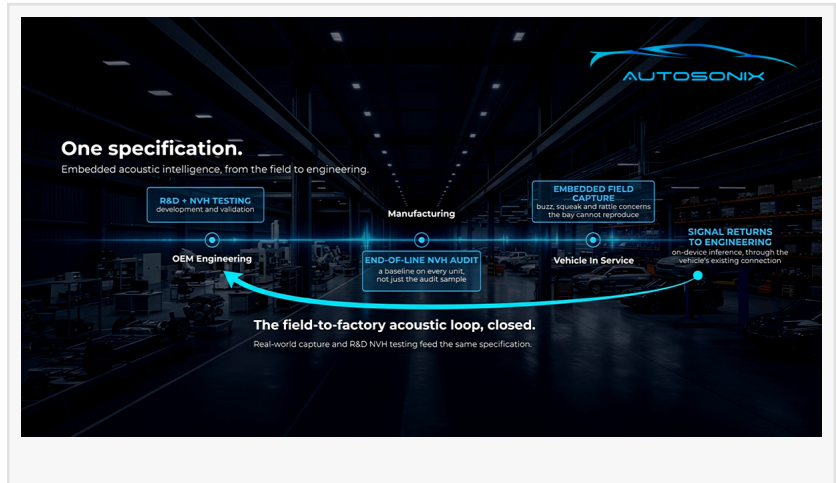


One Specification. Embedded Acoustic Intelligence, from the Field to Engineering.

The new OEM and Engineering approach creates one specification from R&D and manufacturing to vehicles in service, connecting real world acoustic data.

WHITEHALL, PA, UNITED STATES,
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[AutoSonix](#), an automotive technology company specializing in acoustic intelligence, is advancing its [OEM and Engineering](#) capabilities with a unified framework designed to connect vehicle sound data from research and development through manufacturing and into real-world vehicle operation.



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Our objective is to create a field to factory acoustic loop where the same specification can support R&D, manufacturing, vehicles in service, and the return of meaningful signals back to engineering.”

Tom Allen, CEO of AutoSonix

The AutoSonix approach is built around one specification that creates continuity across the automotive lifecycle. From R&D and NVH testing to manufacturing, embedded field capture, and the return of acoustic signals to engineering teams, the platform is designed to create a closed-loop flow of mechanical intelligence.

For automotive manufacturers and engineering organizations, vehicle acoustic information is generated at multiple stages. However, information collected during development, production, and real-world operation has traditionally existed across separate processes and

systems. AutoSonix aims to help bridge those stages through a common acoustic framework.

Using its in-house applied AI, AutoSonix has already created products across the automotive ecosystem to support more efficient and trustworthy mechanical inspection.

The AutoSonix OEM and Engineering framework is anchored today in field-captured acoustic data, gathered via portable AutoSonix devices active in auction lanes, with dealer-service,

insurance and fleet deployments now underway, and is designed to support the development and validation of acoustic specifications. From there, the roadmap extends toward the manufacturing environment, including end of line NVH audits, where a baseline could be established for every unit rather than relying solely on limited audit samples.

As vehicles enter service, portable AutoSonix devices, used today in the field, capture mechanical sound with high fidelity and translate it into a structured, objective, and portable signal covering engine and powertrain health, as well as accessories — the same signal that can support inspection and arbitration decisions. This information can be processed close to the vehicle and returned to engineering teams, helping create a continuous feedback loop between real-world vehicle operation and product development.

One Specification Across the Vehicle Lifecycle

The AutoSonix approach is designed to connect several key stages of the automotive ecosystem:

- R&D and NVH Testing: Supporting development and validation through a common acoustic specification.
- Manufacturing: Extending the specification into production environments and end-of-line NVH audits (the specification's roadmap target, not yet an active deployment).
- Vehicle in Service: Enabling embedded field capture of relevant acoustic signals.
- Signal Returns to Engineering: Providing a pathway for real-world acoustic information to support engineering feedback and future product improvements.



By connecting these stages, AutoSonix seeks to help OEMs and engineering organizations reduce the gap between controlled testing environments and real world vehicle performance. AutoSonix's plan is to work with OEM and Tier 1 partners to refine this signal layer in the workflows that matter most, and to help establish how sound sensing can support engineering, quality, warranty, and related systems.

Our approach emphasizes the value of real world capture and R&D NVH testing feeding the same specification. Rather than treating field information and engineering data as separate sources, AutoSonix is working to create a shared framework that supports greater consistency throughout the product lifecycle.

From the Field to the Factory — and Back to Engineering

The AutoSonix platform supports a closed-loop concept in which acoustic intelligence can move across the automotive lifecycle. Portable field capture, active today within automotive ecosystem services such as auction houses, identifies relevant acoustic signals during vehicle operation, and the same specification is designed to extend into manufacturing, so that production teams can eventually establish baseline information as well.

These signals can then be returned to engineering teams, creating a connection between vehicle in service experiences and future development activities.



This field to factory approach may support OEMs and engineering organizations seeking greater continuity between:

- Vehicle development
- NVH testing
- Manufacturing and end-of-line processes
- Vehicle performance in service
- Acoustic issue identification and analysis
- Engineering feedback and product improvement

As automotive technology continues to evolve, OEMs are increasingly seeking ways to connect real-world vehicle information with engineering and manufacturing processes. AutoSonix is focused on using acoustic intelligence and AI-powered signal analysis to help create that connection through a consistent and scalable framework.

The company's OEM and Engineering capabilities are designed to support automotive organizations looking to establish a more connected approach to acoustic information, from the earliest stages of vehicle development through manufacturing and real-world operation.

For more information about AutoSonix and its OEM and Engineering solutions, visit

<https://autosonix.ai/oem-engineering/>

About AutoSonix

AutoSonix is an automotive technology company transforming vehicle sound into actionable mechanical intelligence. Its proprietary [PTX™](#) platform utilizes artificial intelligence, acoustic intelligence, and vehicle operational data to generate a standardized mechanical signal that supports consistent vehicle assessment across dealerships, OEMs, auctions, fleets, lenders, warranty providers, and service organizations. By providing an objective measurement framework, AutoSonix helps automotive professionals improve transparency, operational consistency, and decision making throughout the vehicle lifecycle.

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