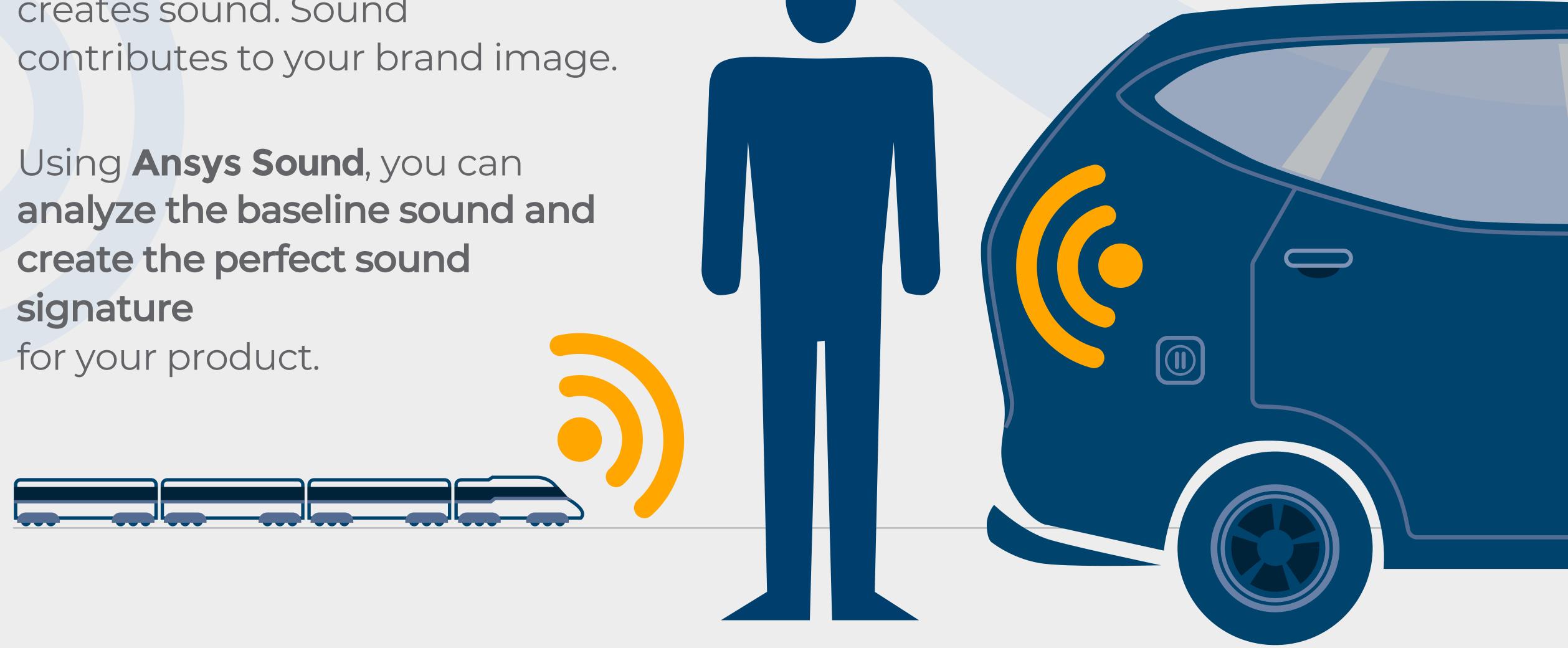


Give Your Product a New Sound Dimension with Ansys Sound

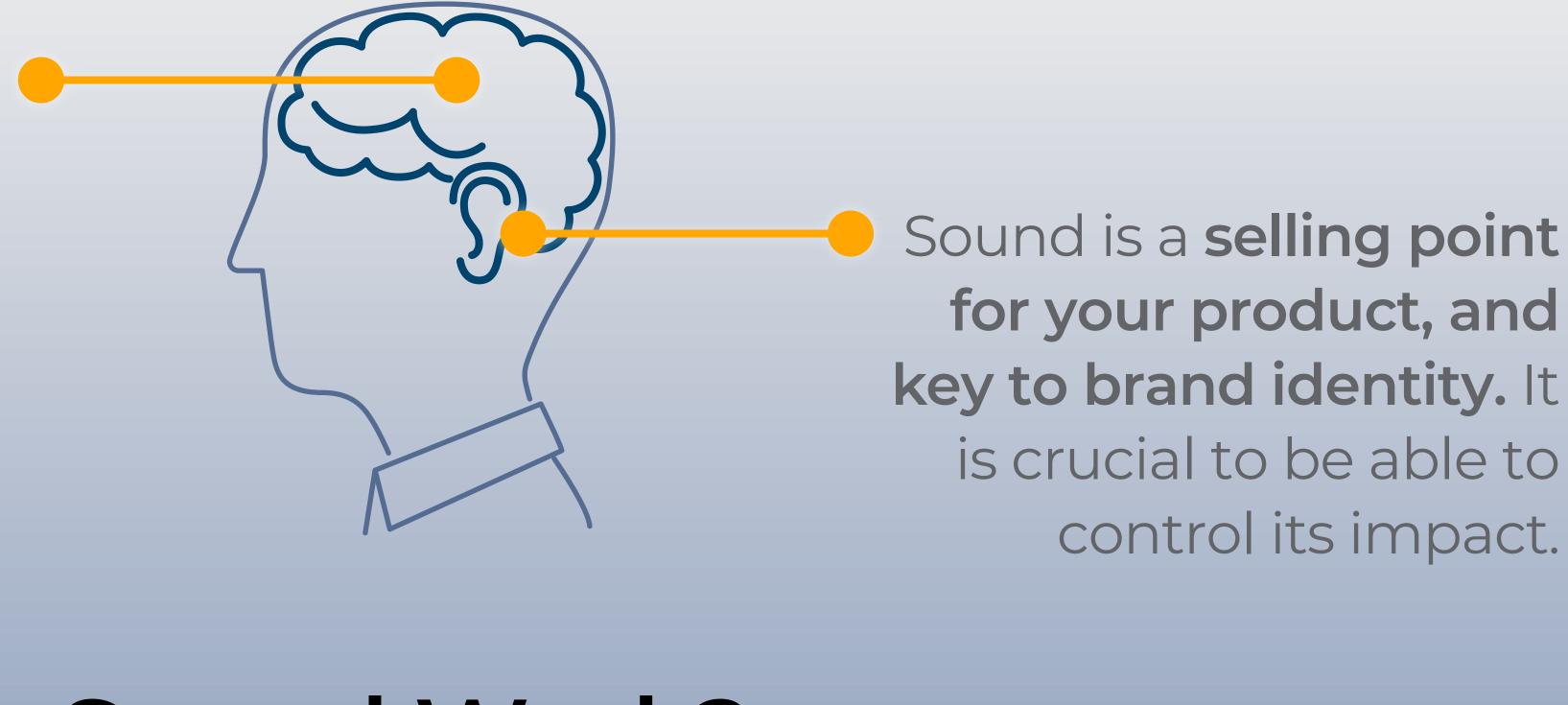
Every product you manufacture creates sound. Sound



Why Does Perceived Sound Matter?

The sound of your product impacts your product's perceived value.

Sound is a source of information and emotion. A product's sound triggers a sensoral and emotional response in consumers.



How Does Ansys Sound Work?

Based on recordings or computer-aided engineering (CAE) simulation outputs, you can:



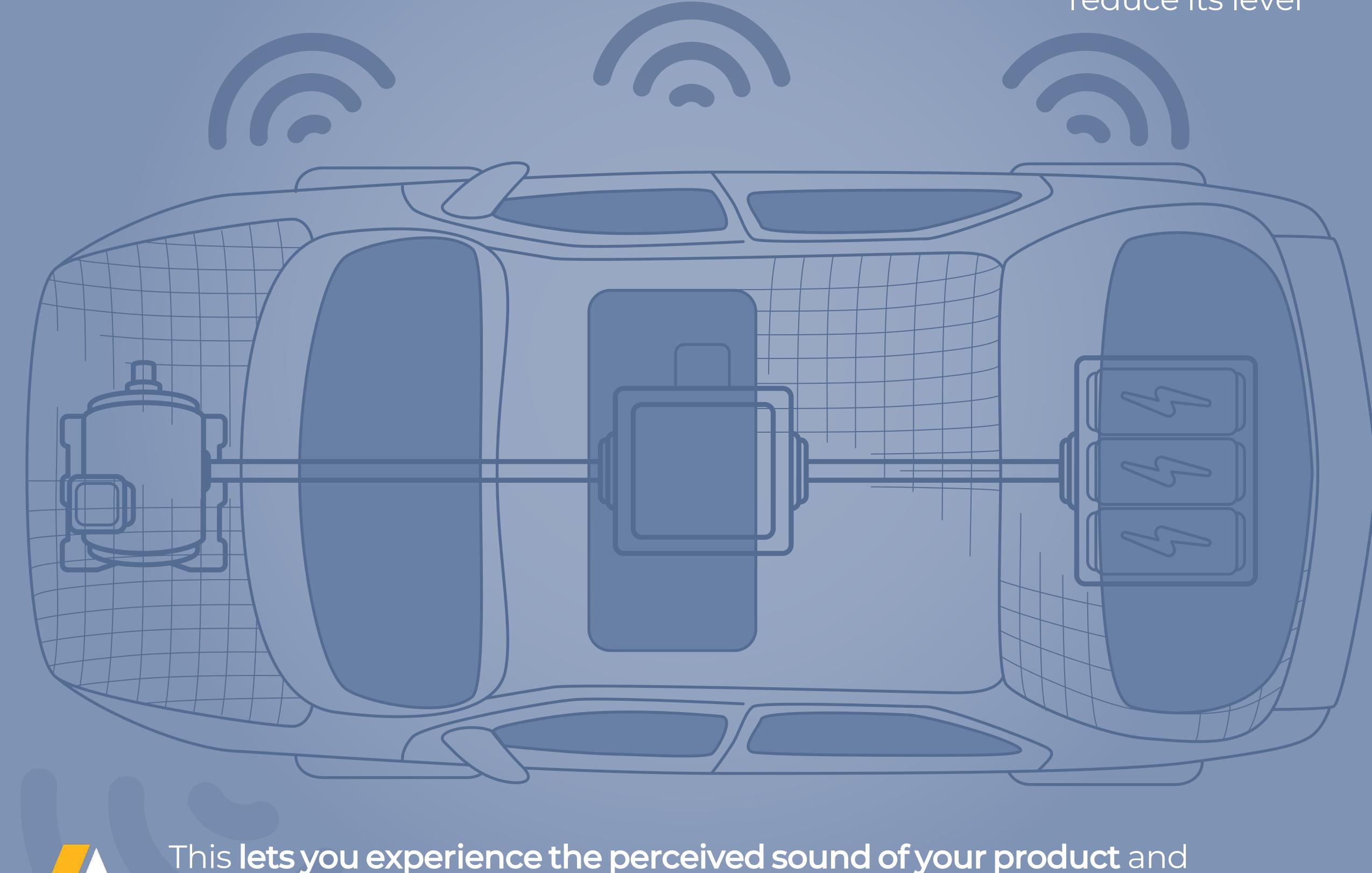
to understand their influence on overall sound



based on human perception criteria and psychoacoustics



of your product, rather than simply trying to reduce its level



explore design virtual changes, without building a physical prototype. As part of an integrated workflow, you can use Ansys Sound to listen to simulations created in Ansys Mechanical. Insys Insys Insys MAXWELL SOUND MECHANICAL

Emag Simulation

Automotive

Stator

Excitations

Dynamic

Behavior

Acoustic

Radiation

Sound

Rendering

Sound

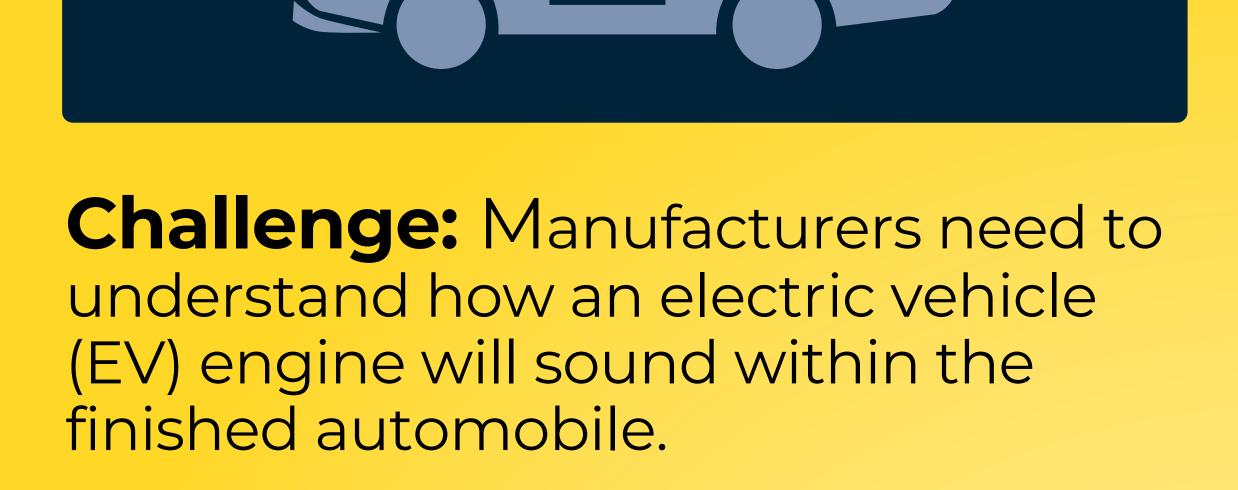
Analysis

sound sources: Aerospace

Ansys Sound in Action

There are many scenarios where Ansys Sound can

help manufacturers listen to, analyze, and design



can analyze the EV engine to separate electric noise from electromagnetic noise. Automotive manufacturers can quickly test design modifications that will alter the overall engine sound.

Solution: Ansys Sound

Challenge: Companies need to manage the sound levels within their airplanes, as well as outside of them.

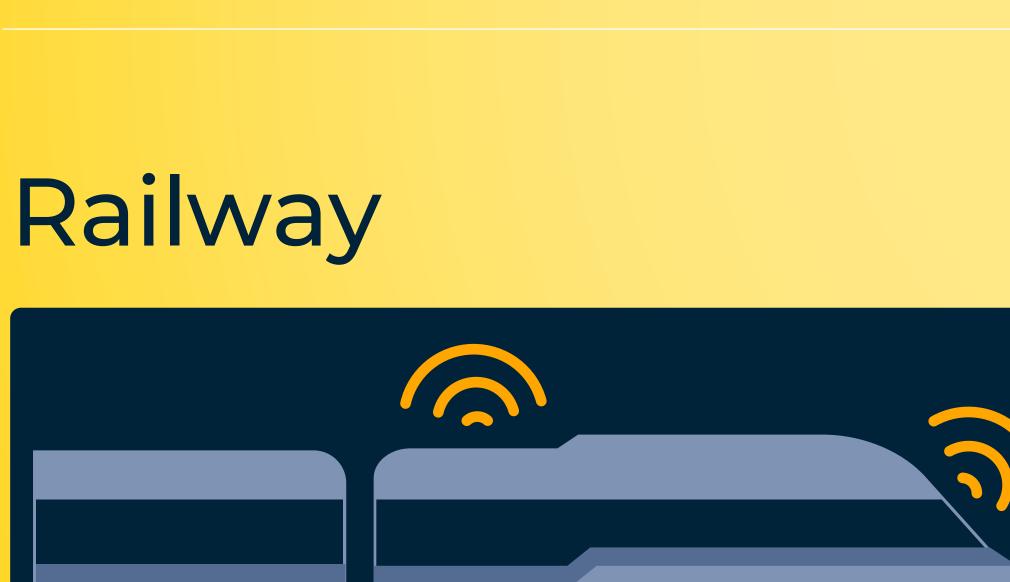
Solution: Ansys Sound

cabins to optimize it for comfort and safety. At the same time, it can isolate and modify sounds that contribute to takeoff and fly-over noise.

Consumer Goods

can perfectly reproduce the sound

environment within cockpits and



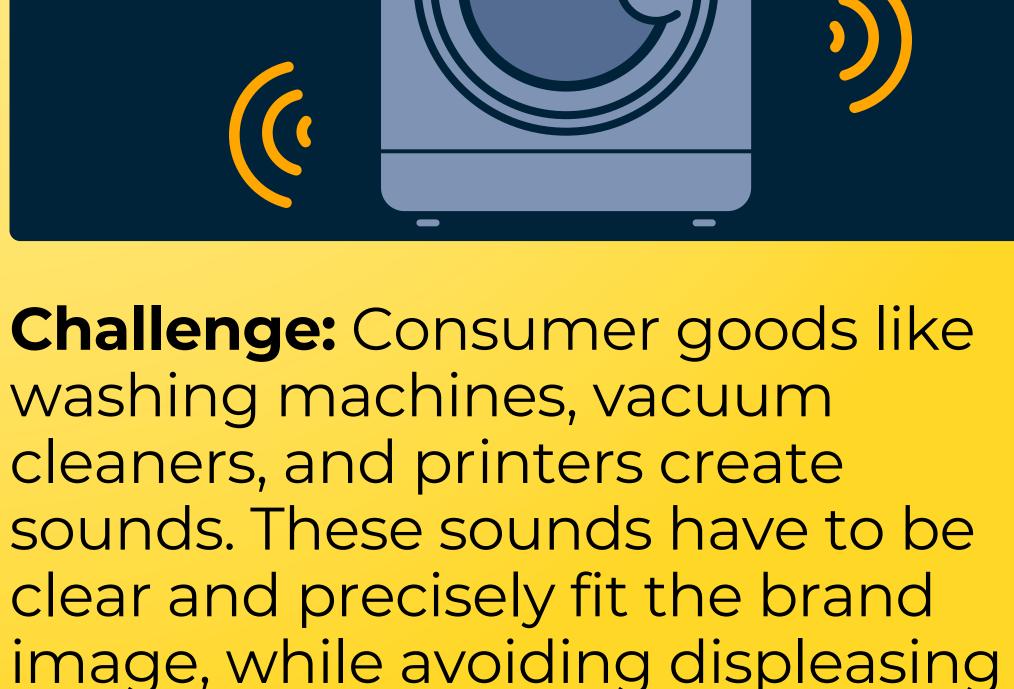
Challenge: Companies need to

a whole isn't negatively impacted by one of its many components. Solution: Ansys Sound can calculate psychoacoustic indicators and thresholds for the train and then require suppliers to integrate those

thresholds into their standards for

parts and components.

ensure that the sound of the train as



noise. Solution: Ansys Sound is used to detect sound sources. Shape each sound based on jury listening tests to get the best customer experience.

Sound quality and simulation are essential parts of product development.

For more information on how Ansys Sound can be used to

improve the perceived sound of your product, visit: ANSYS.COM/SOUND