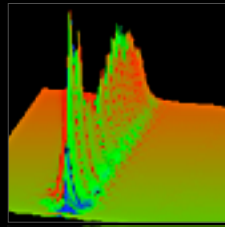




Product Sound



Sound Signatures

ELVIS³ E-motion sharply defines your vehicle's branding content. Create maximum emotion, with minimum effort!



Sound Synthesis

ELVIS³ E-motion seamlessly integrates the vehicle's natural sounds with those it generates from a rich set of driving parameters in real time.



Quiet electric drives

cause new risks, which can be effectively handled thanks to ELVIS³ E-motion. At the same time the vehicles' quietness opens up vast spaces for exciting sound personalities.

ELVIS³ E-motion ELectric Vehicle Interactive Sound Signature System

Features

ELVIS³ E-motion is a highly effective development environment specifically tailored for brand-specific sounds in electric and hybrid vehicles.

The system conceived and delivered by Product Sound generates the audio personality of your vehicle – depending on the current driving conditions like speed, load, or torque. ELVIS³ E-motion renders the sound signatures both to the exterior environment and – in a specially adapted version – to the interior.

Due to its open architecture we can efficiently develop an extremely broad palette of dynamic audio personalities, ranging from natural combustion engines to smooth and elegant synthetic sounds:

BRAND · PERSONALITY · EMOTION

Function

During setup the sounds generated by the vehicle – electric motors, pumps, tires, or combustion engines – are easily integrated into ELVIS³ with a few clicks. New sound signatures are defined in a lab-based simulator which also allows reproducible testing procedures. In the second step the signatures can be driven in a real demonstrator vehicle for assessment and evaluation under 1:1 real-world conditions.

ELVIS³ E-motion is working in real-time. All adjustments are immediately rendered latency-free. Its powerful realtime audio engine together with the realistic user interface controls allow for a highly effective targeted workflow. Lengthy calibration and tedious tuning loops without any sonic feedback are finally a thing of the past.

Safety

Waterproof speakers hidden behind the motor grill or elsewhere warn pedestrians and the visually impaired when electric or hybrid vehicles are approaching. Pending laws requiring outdoor sounds for electric vehicles can thus be fulfilled with minimum effort.

Thanks to its flexible architecture, ELVIS³ E-motion can output your exterior and interior sound signature in any speaker format, even in surround!

Thru its high-quality sound signature your vehicle communicates its emotional personality in a clear and concise way. There are virtually no limits as to which audio personalities ELVIS³ E-motion can create. Our strict interactive approach turns your vehicle into a strong and immediately convincing agent for the emotional values of your brand!

Contact us for a live demonstration!

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Product Sound

Product Sound Germany has more than 20 years of experience in finding and delivering the right sound for your product.

In addition we conceive and implement complex interactive audio software systems to create these brand-specific sounds and audio designs.

Our competencies encompass the entire audio field. They include defining customer expectations, sound perception, physical sound analysis as well as technical and artistic realization of our audio concepts.

Your contacts

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Services

Product Sound

- ▶ Sound Design & Sound Quality
- ▶ Applied psycho acoustics
- ▶ Identification and elimination of sound problems

Audio Production

- ▶ Specification & development of complex interactive audio systems
- ▶ Development of customer specific audio brands
- ▶ Creative audio design

Methods

- ▶ Development of specific signal processing chains
- ▶ Development of tools to objectively assess sound perception

Innovation

We are highly involved in contemporary sound research. Over the past years we have presented 80 papers in scientific journals and congress sessions.*

Since 1994 Product Sound has been active in the international event arena. Our productions have been exhibited and performed on all continents.

Our virtues are creativity, know-how, and the will to break new ground together with our customers: For you we develop innovative, optimally tailored solutions.

* www.product-sound.com/html/publications.html

References



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