

Advancing e-mobility. Together.

e-range

We're advancing e-mobility in three key areas

Safe Power Infrastructure

/ Ensuring the safe and reliable transmission of electricity throughout the vehicle.

Reliable Thermal Management

/ Increasing the life of the battery by managing thermal loads.

Secure and Comfortable Ride

/ Protecting passengers and improving their experience in the cabin.

Improving the consumer experience with a novel solution

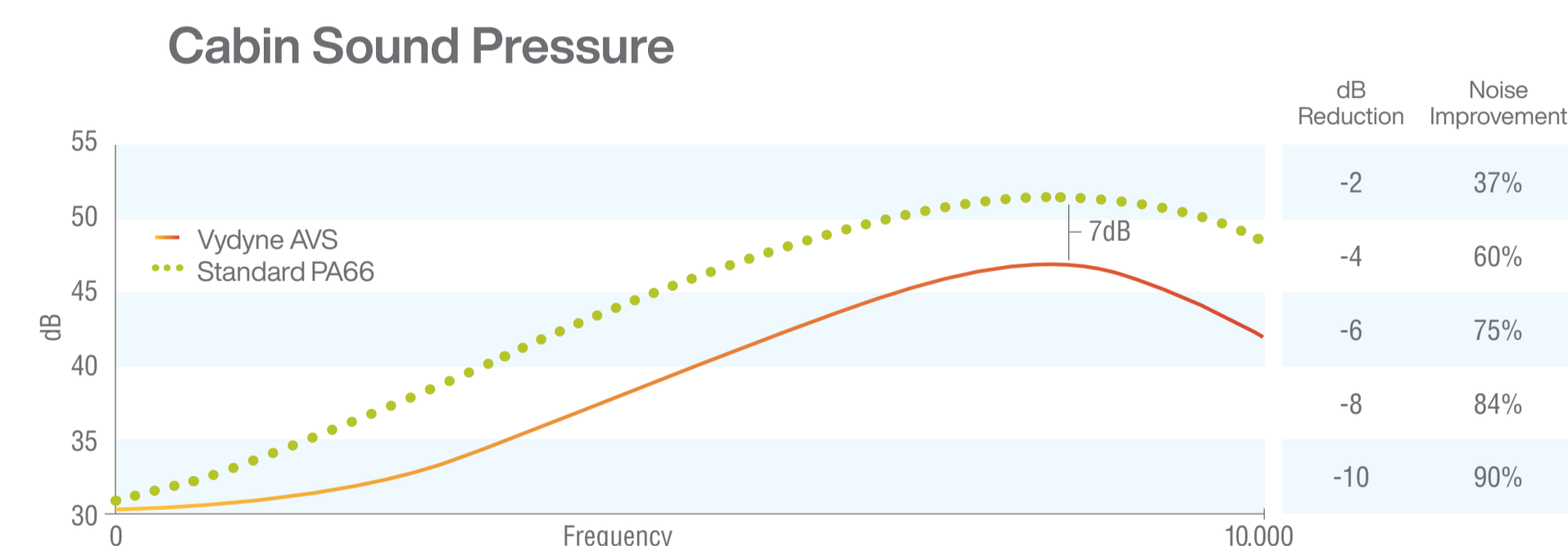
NVH

EV sound signatures are dramatically different from ICE sounds. Automakers spend billions of dollars on NVH solutions, including:

- / Rubber dampers
- / Active noise cancellation
- / Insulated tires
- / Double-pane windows

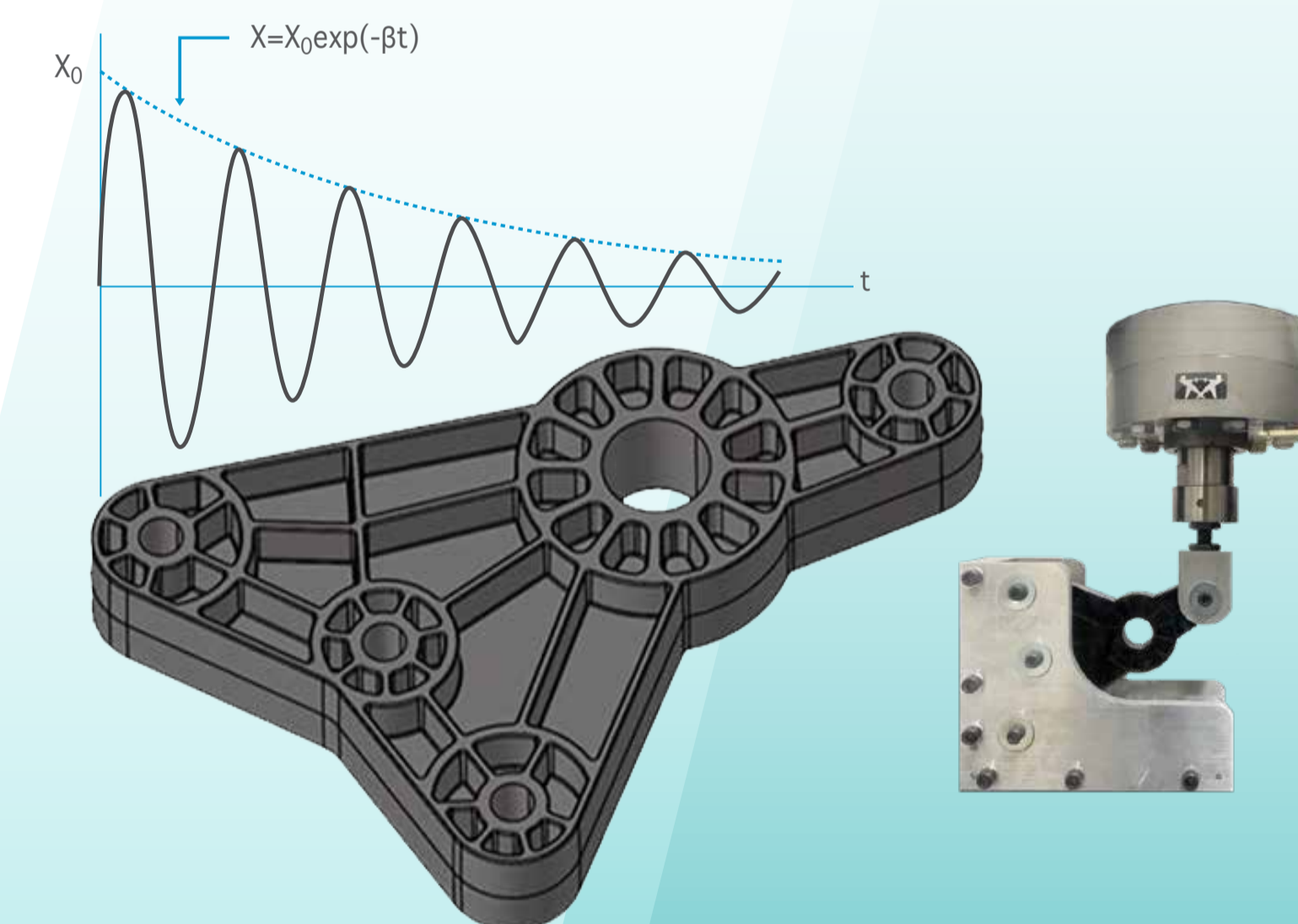
These solutions add cost, complexity and weight and they were designed to handle lower frequency noise.

How it Feels in the Cabin



Reducing vibration at the mounting location reduces cabin sound on average by 7 dB. That translates into a 75-84% improvement in cabin noise, without adding weight.

Ascend Structural Test Platform



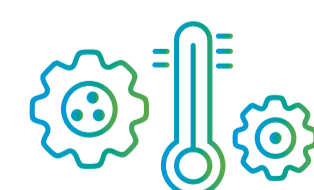
AVS highlights



75-84% reduction in cabin noise



30-40% weight reduction when compared to die cast aluminum



High mechanical properties across a broad temperature range



Significant improvement of tan delta, especially at high frequencies