

# DELIVERING AN OPTIMIZED SOLUTION

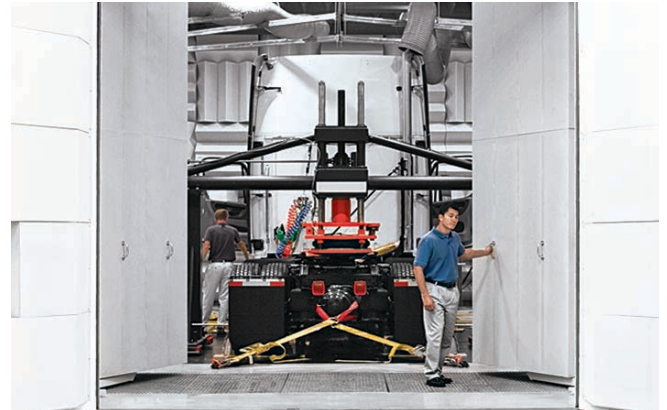
## How do we treat commercial vehicle noise?

Aearo Technologies LLC utilizes an Engineered System Approach to create purposefully designed acoustic packages to treat the entire commercial vehicle. Our optimized solution treats the truck as a single system instead of treating each sub-system individually. Treatment design begins with detailed testing of your system to establish a baseline and then to develop an improved solution to give you a competitive advantage in a crowded market. Engineering analysis could include:

- ▶ In-depth full vehicle analysis
- ▶ System modeling tools
- ▶ Solution verification and validation

We work with your team from concept to commercialization to help ensure all goals are met at product launch, including:

- ▶ Helping meet new pass-by standards
- ▶ Creating the optimal driver experience
- ▶ Controlling heat generated by next gen exhaust systems
- ▶ Weight optimization to help increase fuel efficiency



## Concept to commercialization

**1**

**Input**

**Step 1:** We work with your team to understand your goals, target costs and technical requirements.

**2**

**Planning**

**Step 2:** We test the entire system either on the road or in our state-of-the-art Acoustic Technology Center to pinpoint the limitations in your system.

**3**

**Verification**

**Step 3:** Using CAD modeling technologies, we then create customized engineered solution options.

**4**

**Validation**

**Step 4:** Through rigorous testing, we validate that our customized engineered solution will meet your objectives.

**5**

**Launch**

**Step 5:** Our final step is to manufacture, quality check and deliver the final solution.



### Solution Portfolio Options

- ▶ Acoustic Absorbers
- ▶ Thermal Barriers
- ▶ Bonding Solutions
- ▶ Structureborne Damping
- ▶ Engineered Films

## FOR FURTHER APPLICATION ASSISTANCE

Please contact our engineering specialists at [solutions@earglobal.com](mailto:solutions@earglobal.com)

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