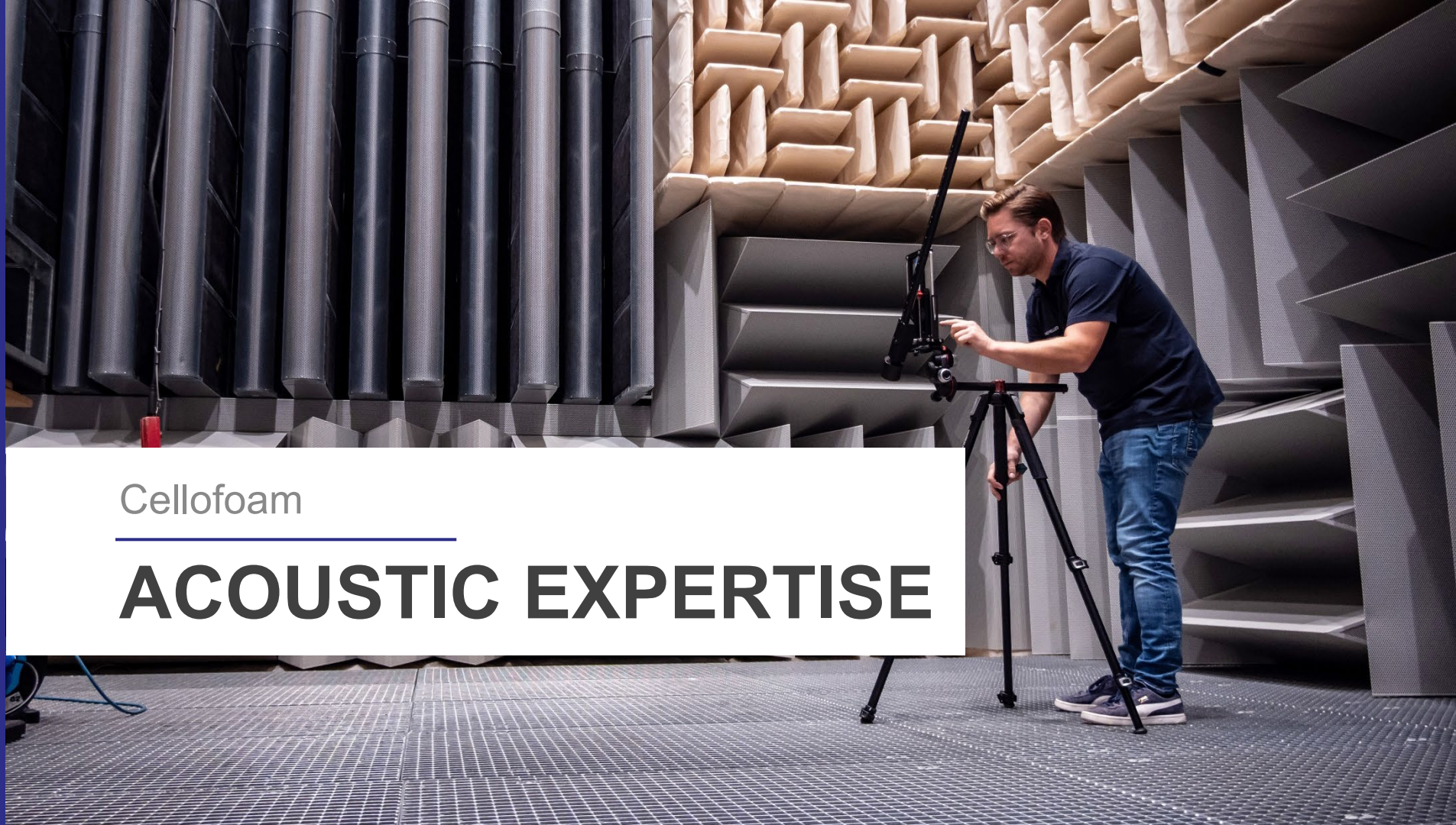


Cellofoam

ACOUSTIC EXPERTISE

Making acoustic problems visible

Not only do we make noise measurable, but we also pinpoint its sources and lay the groundwork for targeted improvements.

Using our acoustic camera and professional measurement microphones, we capture sound directly from machinery, plant and technical components.
The visual representation highlights acoustic anomalies that are often difficult to locate spatially by ear alone.



Measurements – right on the spot

Whether it’s vehicles, machinery, plant or technical components, we inspect them directly at the customer’s premises.

Carrying out measurements under real operating conditions enables us to identify noise problems at an early stage – ideally during the development phase, before components and designs are finalised.



Pinpointing sound sources

The acoustic camera shows where sound is particularly strong and in which frequency range. This allows us, for example, to detect sound leaks in housings or areas of concern on machinery in a targeted manner.

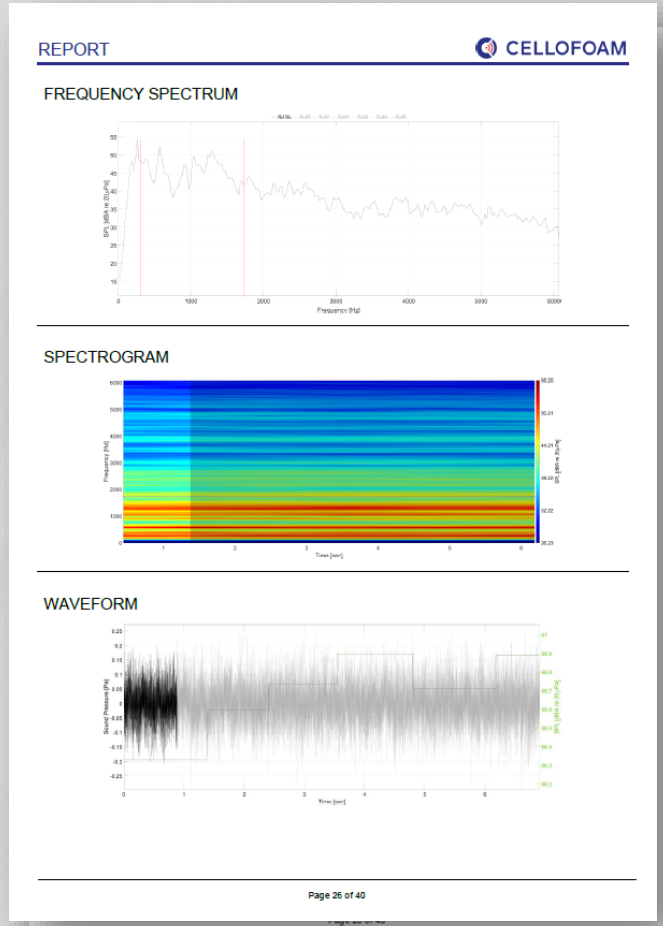
Rather than applying sound insulation over large areas, we can focus our efforts where it makes the most sense from an acoustic point of view.



Understanding and evaluating measurement results

We analyse the measurement data collected and present the results in a way that is both visually and technically clear.

Together with you, we discuss the identified sound sources, assess their relevance to the specific application and identify areas where acoustic optimisation could be implemented.



From measurement to a tailored solution

01 Measurement

On-site measurement using an acoustic camera and measurement microphones

02 Analysis

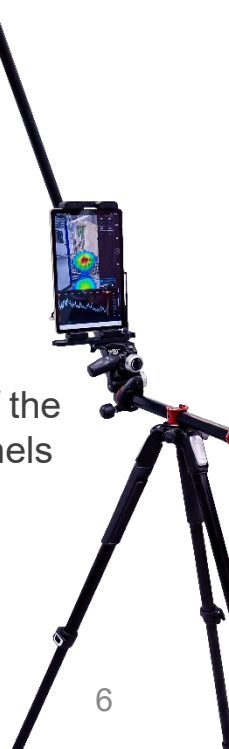
Evaluate measurement data and identify appropriate measures

03 Prototypes

Selecting suitable insulation materials and testing potential solutions

04 Implementation

(Serial) production and delivery of the ready-to-install soundproofing panels




Cellofoam
PRODUCT EXPERTISE

In-house measurements

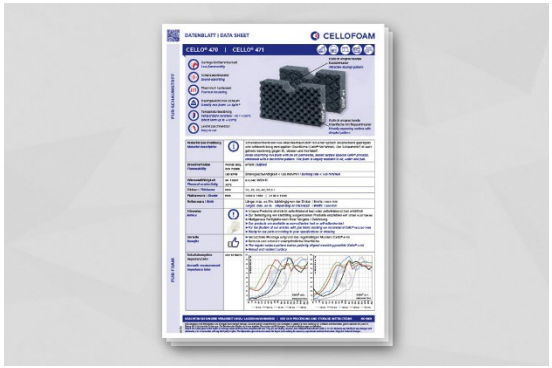
Reverberation Chamber

Standard-compliant measurement and assessment of the sound absorption of various material combinations in the company’s own reverberation chamber.



Impedance measurement tube

Precise measurement of the sound absorption coefficient and acoustic impedance of our products.



We look forward to working with you to solve acoustic challenges.

Factories

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Cellofoam International GmbH & Co. KG
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