

Mahle

Much more than just component qualification tests

The mutual trust that has developed over the course of the projects between the equipment manufacturer Mahle and Cetim stimulates performance and innovation that meet the new requirements of the international automotive industry.



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OUR CUSTOMER

Corporate name
Mahle

Workforce
72,000 people at 148 production sites and 11 technology centres by 2023

Turnover
Nearly 13 billion euros in 2023

Business activity
Leading automotive equipment supplier, specialising in electrification and thermal management for private and commercial vehicles.

The certification of automotive parts is based on qualification plans, a series of complex standardised tests that can take several months. Due to a lack of time or in-house technical resources, the equipment manufacturer Mahle entrusts Cetim with the performance of almost 50% of these combined tests, which simulate the real-life conditions of the part in the vehicle (vibrations, shocks, temperature, pressure, salt spray, polluting gases, etc.). *"Its component analysis and characterisation service covers test management, logistics and the search for external service providers if necessary",* explains

Vincent Metzger, validation manager at the Mahle design office in Rouffach (France).

A partner that doesn't hesitate to get involved

With 100% electric vehicles came new technological challenges: increased heating power, new cooling systems, etc. *"Cetim adapts to the constant evolution of our needs and the growing demands of manufacturers, continues Vincent Metzger. Beyond testing, it invests in equipment, designing custom test benches, and in human resources. Our single contact person at Cetim who coordinates the multiple projects in progress, can prioritise tasks according to the resources available and the urgency of the tests to be carried out. With its good knowledge of our products, Cetim is able to propose additional analyses in the event of a*

failure", adds Vincent Metzger. The relationship of trust built up over ten years between the two partners is reinforced by the geographical proximity, which saves time when delivering parts or by allowing Mahle to be present for the implementation of the tests. Another example is the upcoming training of Mahle's teams in vibration testing so that they can better understand and interpret the data, to strengthen their arguments with their own customers.

Cetim's asset



More than just a service provider, the centre is an essential partner, with flexible teams and a wide range of skills. The in-depth knowledge of the needs of industry that it has acquired over time enables it to offer solutions and advice in case of unforeseen events.

