

Success Stories



Enhancing construction efficiency, cost effectiveness and risk reduction through efficient thermal simulation.

Another Success Story

About the client

A well-known automotive supplier in Germany, innovative in producing high-quality water and oil pumps.

Client's Challenge

Our client faced challenges in maintaining consistent heat and temperature levels, particularly in high temperatures up to 140°C.

To address this issue, we developed simulation models that can predict thermal behavior early in the design process, to optimize the system performance.





MOTÉON Approach

Proper heat dissipation is essential for the MCTRL electronics to function correctly.

To achieve this, design adjustments were made early in the process and then validated by thermal simulation.

This approach provides valuable insight into heat distribution within the system by using computer aided design (CAD) data and a comprehensive understanding of power losses, ambient conditions, and load conditions.



Customer value

- // Early identification of thermal path weak points in the design
- // Efficient optimization through precise design adaptation
- // Two-way thermal influence analysis between target system and environment





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