

# Success Stories



Speeding up the development pace by early detection of design flaws through simulation.



# Another Success Story

## About the client

A global mechatronic system manufacturer for automotive and industrial applications.

## Client's Challenge

Our client faced difficulties integrating automotive auxiliary units with issues in both functionality and volume. Additionally, there were concerns about the impact of system efficiency and cost-effectiveness on OEM nominations.





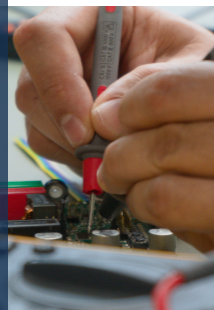
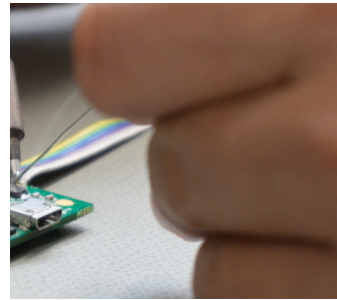
## MOTÉON Approach

To start the design process, our engineers combined Computer-Aided Design (CAD) software with Finite Element Method (FEM) analysis and cross-domain system models. Additionally, they used self-made tools, such as the Motor Analysis Tool, which enables analyzing motor performance and characteristics, choosing the optimal motor for the client's application, and determining the most suitable design for their specific needs.



### Customer value

- // High quality functional samples created through advanced rapid prototyping
- // Reduced development time by 80% through early detection of design issues
- // Potential risks and challenges identified through feasibility analysis





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