

# Success Stories



Taking cost efficiency and cost effectiveness to the next level, using variable PMSM motor design.



# Another Success Story

## About the client

A European-based automotive company specializing in mechatronic and software solutions for the premium segment.

## Client's Challenge

Our client had concerns about acoustic noise and aimed to enhance their performance efficiency and cost-effectiveness. Additionally, they wanted to achieve optimal levels of current ripple quality within their electrical system.



## MOTEON Approach

We used our mechatronic development methodology to enhance motor design by holistically considering and simulating the mechanical, magnetic and electronic domains.

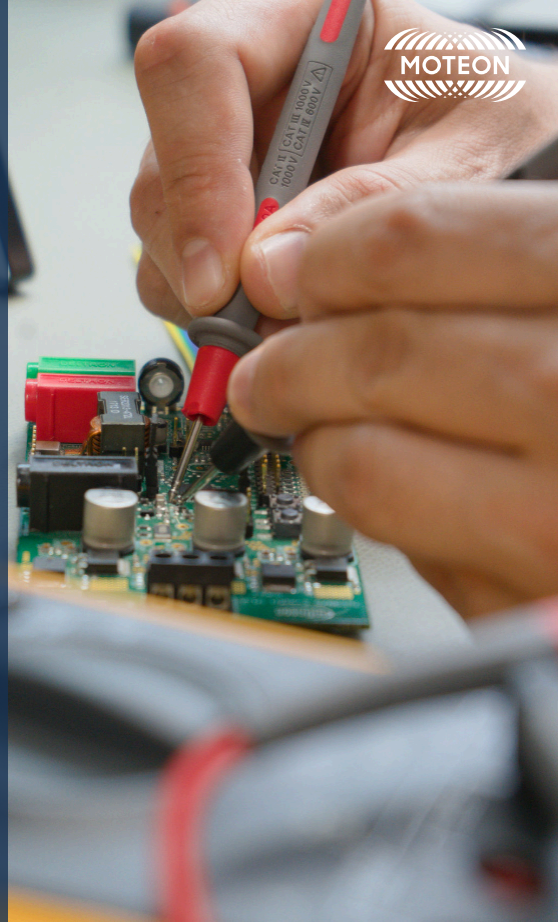
Our professional team evaluated various factors such as motor topology, magnet material, air gap, and inductance characteristics during our design process to ensure that we achieve the best possible solution for our client.

MOTEON ensured an effective solution and eliminated the risks of costly redesigns by utilizing FEM simulators and conducting motor analysis to analyze our design.



### Customer value

- // Maximized system performance and efficiency
- // Minimized development time and cost
- // Pre-simulation reduced project risks





LETS GET IN TOUCH

# CONTACT US



info@moteon.com



+49 89 234 55700



**MOTÉON GmbH**

Ehrenbergstraße 11

98693 Ilmenau

