MOTEON

Quick training to provide a basis for decision-making for further in-depth development.

Another Success Story

About the client

Our client is an internationally operating automotive part supplier located in Germany. The company develops and manufactures electronic components, lighting, and systems for the automotive industry.

Client's Challenge

A lack of in-depth knowledge about commutation of valve actuators for new applications hindered further development steps. It was important for our client to understand the content themselves so they could coordinate further development in-house. But the schedule was tight and research is time-consuming.

Consulting
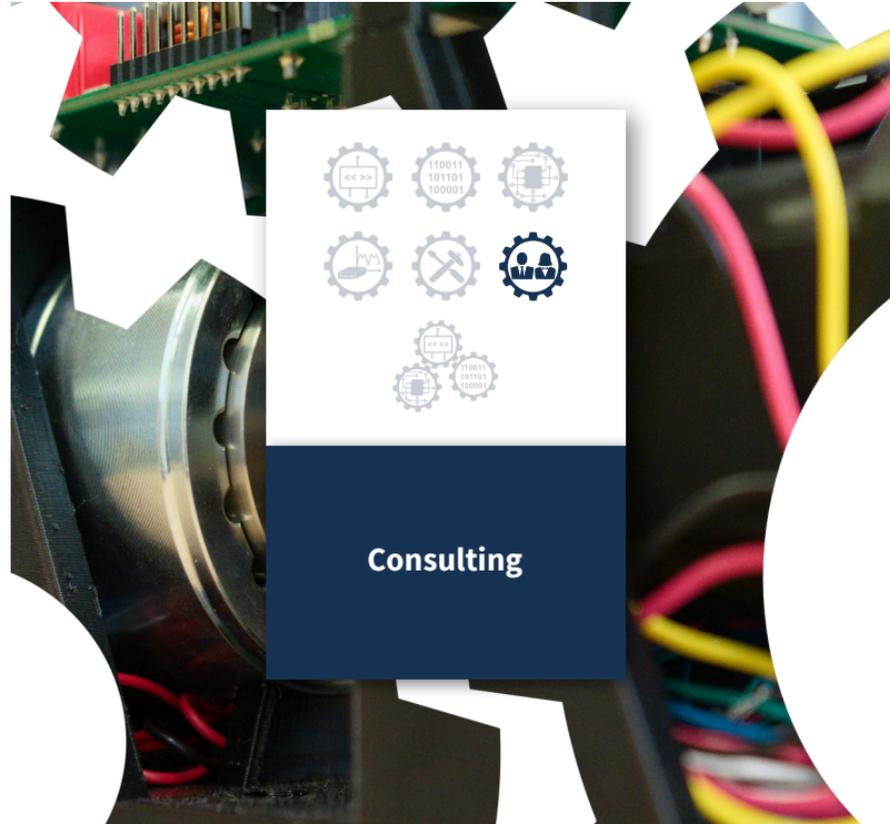
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MOTEON Approach

MOTEON provided an on-demand training on sensorless block commutation BLDC motors.

3 remote sessions were successfully conducted covering the following topics:

- Physical basics,
- rotor position detection algorithms,
- commutation schemes,
- current measurement and diagnostics techniques,
- motor control phases,
- peripheral support on TLE987x,
- SW implementation hints on TLE987x

Simulink simulations were used to demonstrate important effects.

Customer value

// Uniform remote training for a large number of employees

// Decision base for a intended new product family

// Immediate definition of physical limits in customer application
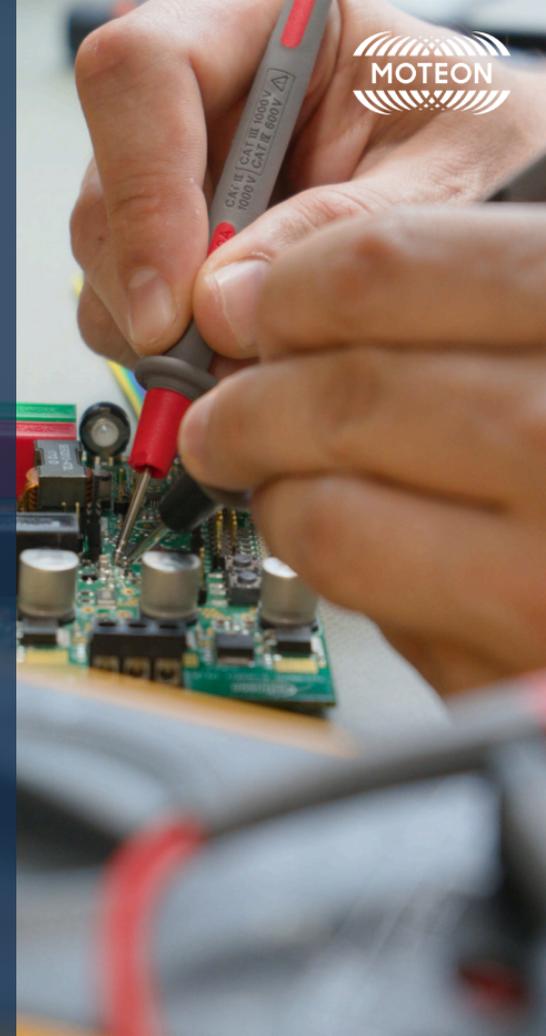
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