

Motor-SW-Launch Service -

Seamless SW deployment via professional parametrization.



In the early phase of development with a software library, the deployment on real hardware can **reveal unexpected errors**. However, with our sophisticated premium testing and adaption service, we can accelerate this process and **detect issues in electronics, motor and achievements of target operational points**. motor analysis, the software parametrization and performance testing with real target hardware. The Motor-SW-Launch (MSL) service **facilitates the initiation of series development by employing professional software parametrization** for customer's motor and electronics.



Avoid trial & error



Start quickly with running motor



Understand system performance



Identify Design Issues

Setup

Customer motor and electronics are analyzed and measured at MOTEON on a motor test bench. Based on the identified motor parameters and target operation point a motor analysis is conducted to simulate target operation points and identify needed change and special algorithms to achieve those. The MOTIX™ Software is then parametrized and performance test conducted. The customer receives the test results as well as a parametrized software flashed on their electronics.

Key applications

- Auxiliary motor drives, e.g. pumps, fans
- Thermal management, coolant pumps
- 48V motor drives
- Industrial drives
- Battery powered tools

Your benefits

- **Understand system performance** and which algorithms are needed to reach Target Operation Points
- **Saving weeks of work** during initialization phase
- **Avoid trial/error** in parametrization for unknown motors
- **Identifying design issues** in early phase of project

Key features

- Electronics Review
- Motor parameter identification
- Motor Analysis Tool: simulation of torque-speed, target operation points and efficiency
- Professional software parametrization
- Motor performance measurement (incl. CPU usage & runtime)

Process



MOTEON GmbH
Ehrenbergstraße 11
98693 Ilmenau

Tel: +49 89 234 55700
E-Mail: info@moteon.com
www.moteon.com