

FEV Signature Solutions Motor control software



Our tailor made, proven and open solutions enable your success in power electronics control

FEV offers

- ▶ Power electronics (motor control unit, OBC, DCDC) software development
- ▶ Systems engineering and concept definition on component level
- ▶ Integration and qualification test of the software in target application

Why FEV

- ▶ Proven functions applied to various motor controller (MCU) applications and continuously optimized
- ▶ White box option enables you to use FEV's solution as basis for your own development
- ▶ Customization by FEV to exactly address your needs
- ▶ Customer friendly license model, as one time license fee and tailored license scope
- ▶ Support in various MCU projects within the customer system



Selected reference projects

MOTOR CONTROL UNIT SW DEVELOPMENT



European OEM

Inverter complex device driver development

CDD software - ASIL-D confirm implementation

- › Complex device driver (CDD) development
- › Micro controller abstraction layer (MCAL) configuration
- › Function development in C/C++
- › Testing on HiL

Asian OEM

Prototype MCU implementation

Integration into demonstrator

- › FEV's application software integration on target controller
- › Calibration and testing on the test bench and in the vehicle

German tier 1

Power inverter module software development

Support in different tasks in the customer system

- › Software development support for mass production power inverter
- › Scope: safety, diagnostics, software architecture, overall software coordination

Chinese OEM

MCU software development

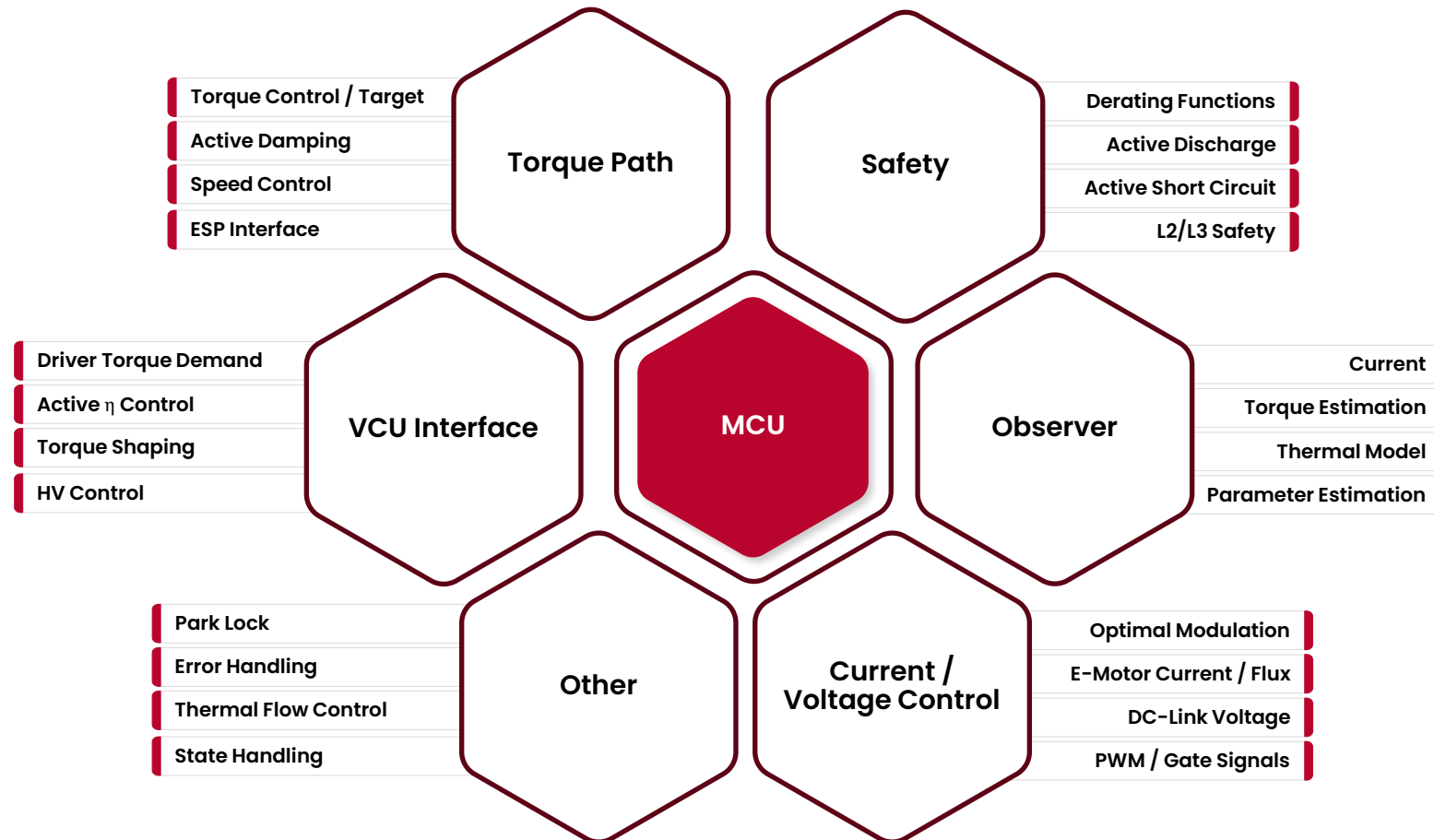
Core controller for sensor less induction machine

- › Adaption of FEV's Signature software
- › APSW for induction machine with sensor less control
- › High angle position accuracy
- › Implementation in existing customer software

Proven and flexible off the shelf control functions



OVERVIEW OF FEV'S MCU SIGNATURE FUNCTION LIBRARY



Get in touch with us for further information



[www.fev.com/en/
signature-solutions](http://www.fev.com/en/signature-solutions)