

Services Electrification

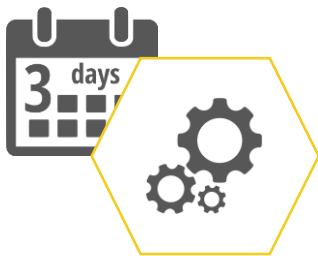
THINK GREEN, START SMART

PRESTUDY PHASE



CUSTOMER TRAINING

Overview of the most important concepts and components for realisation of electric solutions in mobile working machines, incl. electrical und functional safety.



SYSTEM WORKSHOP

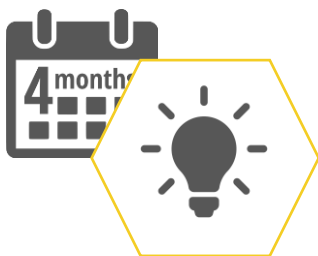
Analysis of the mobile working machine based on existing use cases to implement the correct electrification strategy.
Definition of interfaces for integration of hardware and software



DRIVE CYCLE ANALYSIS

Recording of drive cycles of the mobile working machine with integration of data management module „TC3G“ and setting up of a “machines.cloud” account.
Evaluation of the drive cycles for dimensioning of system components.

PROTOTYPE PHASE



CONCEPT DEVELOPMENT

Detailed demand management for the preparation of requirement and functional specifications with the customer. Development of a system architecture and an E/E-system for the mobile working machine. Preselection of suppliers and components.



PROTOTYPE DEVELOPMENT

Prototype development according to V-model for hardware and software. Integration of components into the mobile working machine. Test of components, modules and complete system with feedback for next prototype or series production

INDIVIDUAL SERVICES



- ◆ Engineering service
- ◆ Consulting
- ◆ Support
- ◆ Individual Training
- ◆ Service for powerMELA products

→ Quotation on request