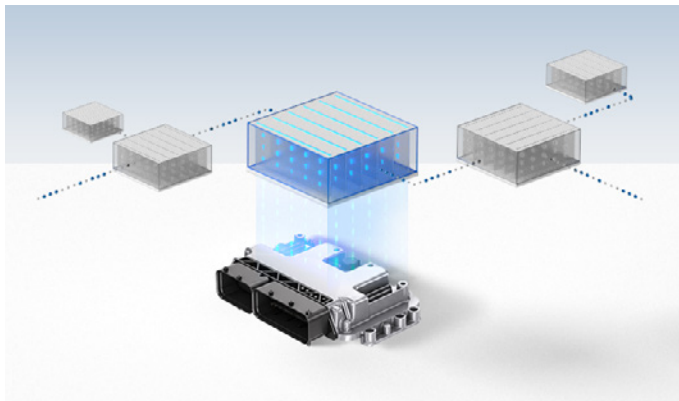


Electric drive control unit EDCU

Control solutions for mobile machinery

Optimally matched soft- and hardware for versatile controlling tasks in off-highway applications



- ▶ Soft- and hardware platform for control of up to 5 electrical drives
- ▶ Flexible gateway to integrate off-the-shelf components, like battery management systems, on-board chargers, auxiliary units, etc.
- ▶ Torque and speed control, power distribution and charge management
- ▶ Implementation of customer specific functionalities like hill-start assistance, automated parking brake or an intelligent switchover of driving control modes

flexible

Adaptation of CAN, LIN and I/O interfaces

individual

Solutions from the first sketch to series production

reliable

Large volume series Bosch automotive hardware

efficient

Development of customer variants, based on Bosch hard- and software platform

TECHNICAL CHARACTERISTICS

Voltage supply controller		12V, 24V
Voltage supply sensors		5V, 10V
Signal inputs	configurable	voltage, current, frequency, resistance, SENT
Power outputs	up to	4A
Supported functional safety standards		ISO 13849 ISO 25119
Safety functions	up to	PL d, AgPL d
CPU		32-bit multi-core
Available HW variants		small, middle, large