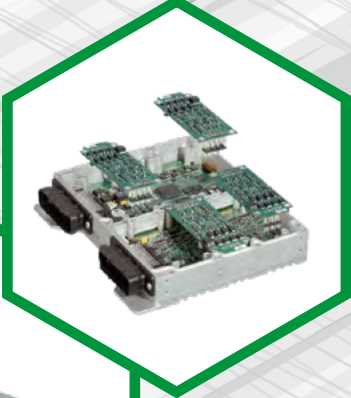
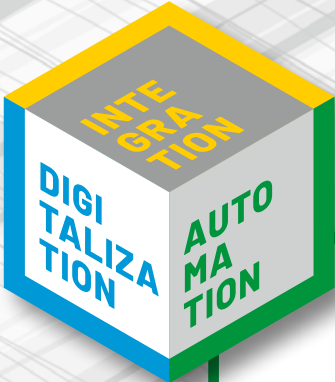


Making mobile
machines perform.



ESX CONTROL UNITS



ESX CONTROL UNITS

The ESX control device family includes robust and efficient safety and non-safety control units for heavy duty applications. For the realization of safety applications, the control units are either equipped with a multicore processor (fourth generation) or with a second, additional processor (third generation). Communication highlights include real-time ethernet, ethernet switch and CAN FD.

There are several user-friendly ways to develop the application software for the modular ESX family: The open and freely available open source development and life cycle management tool **openSYDE** offers the possibility to map and test functionalities in „C“ as well as according to IEC61131 (logi.CAD3) in Structured Text.

ENGINEERED FOR TOUGH CHALLENGES

- Compact and robust design for mobile machines
- High level of shock and vibration resistance
- Robust housing with a high IP rating (IP6k9k)
- Excellent EMC characteristics

HIGH DEGREE OF MODULARITY

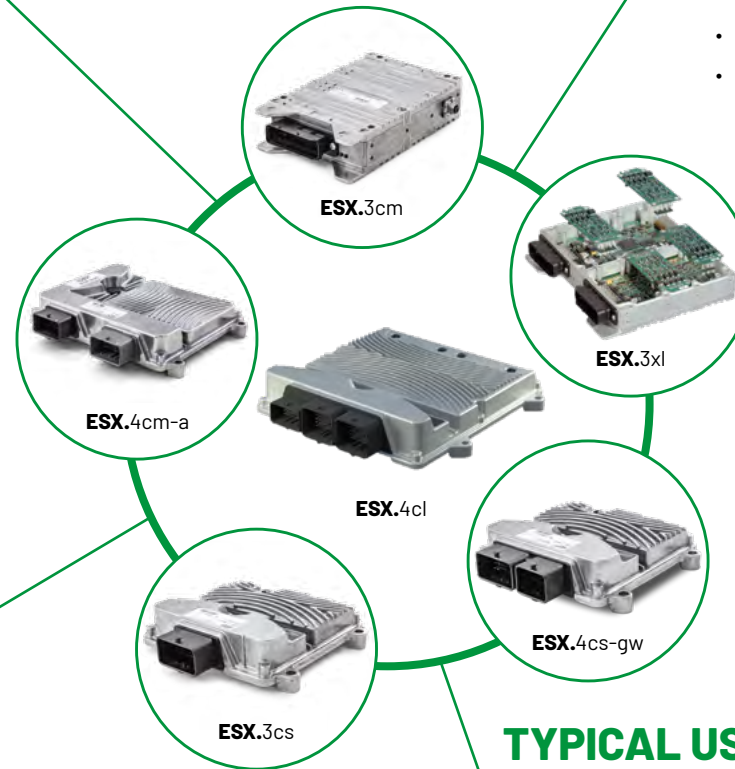
- Multiple product variants
- Customized product variants
- Internal and external expansions
- Project specific deployment

ADVANTAGES / HIGHLIGHTS

- Suitable for 12V and 24V systems
- Multiple programming options
- Configurable multifunctional inputs
- Direct sensor supply
- Multi communication channels CAN, real time ethernet, SENT, LIN
- Future-proof architecture
- Proactive obsolescence-management
- Intuitive use with **openSYDE**
- Safety certified

TYPICAL USAGE

- Processing sensor data
- Controlling electrical and hydraulic actuators
- Safety applications
- Communication gateway
- On and Off highway:
 - Agricultural machines
 - Construction machines
 - Mobile and stationary cranes
 - Logistic and heavy lift vehicles
 - Communal vehicles





Making mobile machines perform.

STW is an internationally active company headquartered in Kaufbeuren, Germany. We have produced outstanding solutions for the automation and digitization of mobile machines for more than 35 years. With our modular system of generic and customer-specific products, systems and software solutions, we support our customers with our innovative technology in making their machines the best in the world.

For our customers, we represent a partner to accompany them in the engineering and in-

tegration of new technology. With our modular system of interoperable components, compatible products and systems from our global partner network and our extensive software toolchain openSYDE, we help OEMs increase the performance and efficiency of their machines, enhance safety, and meet the emerging technology challenges. Our ready to use connectivity solutions enable machine-to-X communication, making networking with cloud platforms and the integration of the mobile machine into business processes possible.

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