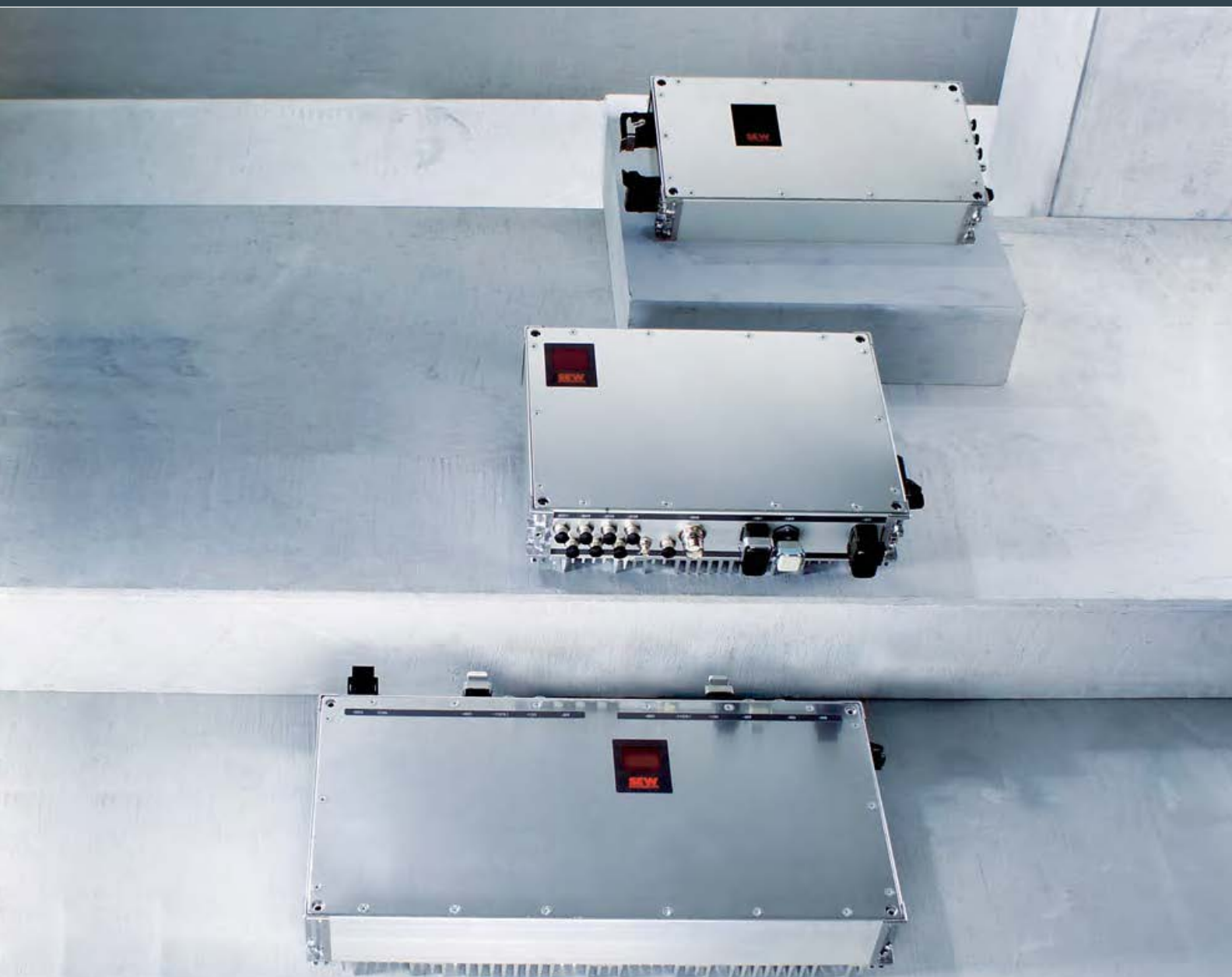


Product announcement

Optimized, decentralized drive control system for mobile materials handling technology

MOVIPRO®



MOVIPRO® – Safe, flexible and intelligent

Many areas in mobile materials handling technology demand compact systems that combine drive electronics with intelligence and ensure a high degree of flexibility. Therefore, SEW-EURODRIVE developed MOVIPRO®, a complete drive solution combining all the required functions in one device:

- Compact power electronics with a high degree of protection
- Robust, fanless aluminum housing technology
- Pluggable connections for power and signals
- Vibration-resistant components for mobile applications

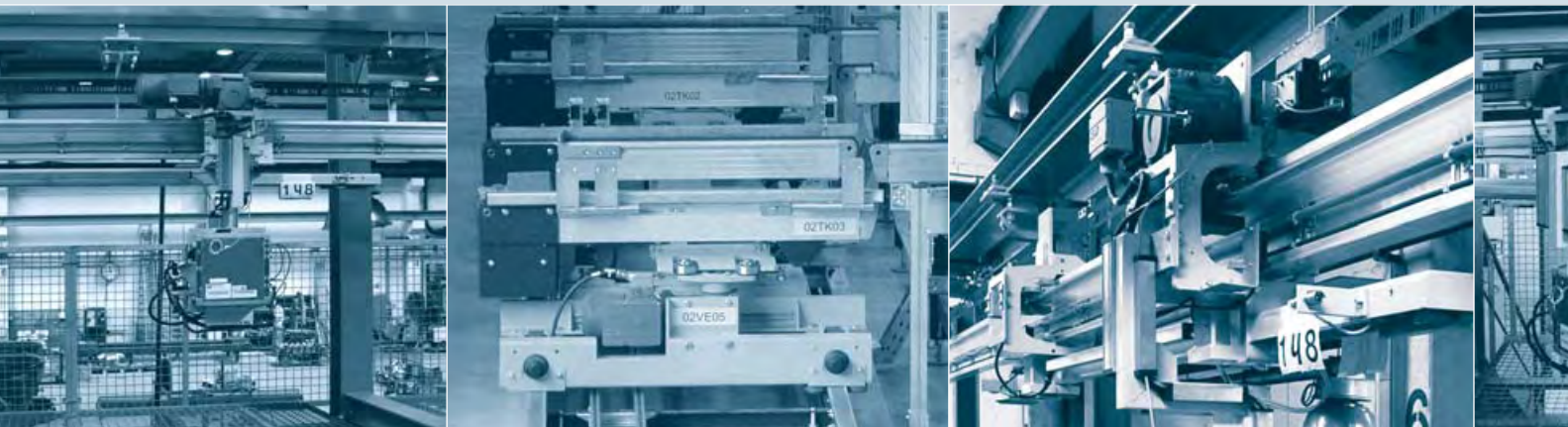
SEW-EURODRIVE's tried and tested modular system is also used for MOVIPRO® components. The modular housing design, optimized power sections as well as the communication and power supply components, mean that intelligent and flexible solutions can be realized to meet the demands of mobile materials handling technology.

MOVIPRO® is the ideal drive control system for mobile applications when:

- The plant concept is based on automated vehicles
- A compact and optimized vehicle design is required
- Single or multi-axis control systems are to be realized
- The administration is to be performed local by I/Os and encoders
- Contactless energy and information transfer is implemented
- Fast diagnostics and maintenance is required
- You want a complete drive solution from one source

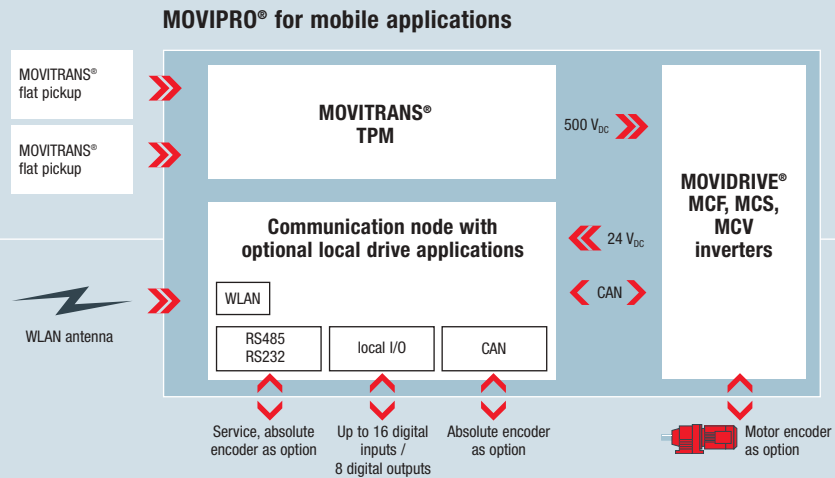
MOVIPRO® is used in:

- Linear-motion platforms in automobile production
- Overhead trolley drives in the automotive industry
- Lane vehicles for storage and retrieval units
- Conveyor trolleys
- Transportation systems
- Floor conveyors

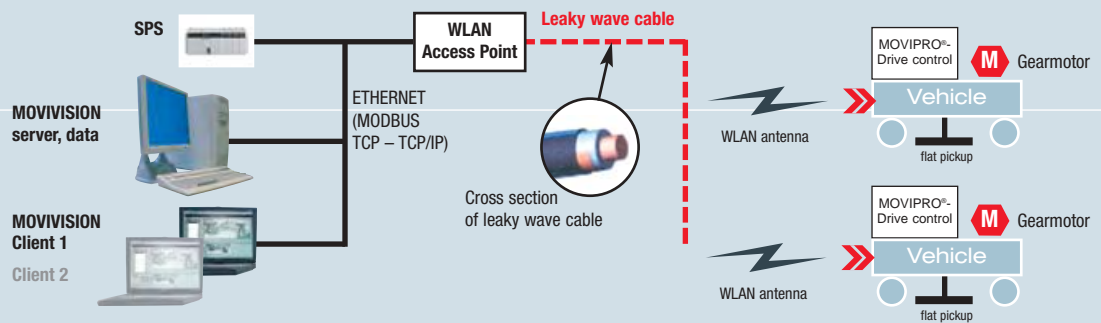




Functional principle of MOVIPRO®



Plant concept with a MOVIPRO® drive control system



MOVIPRO® system components from SEW-EURODRIVE

MCx20 frequency inverter	Optimized frequency inverter with MOVIDRIVE® functionality and encoder feedback as an option
– MCF20A	– Not fitted with an encoder as standard
– MCS20A	– Incremental encoder
– MCV20A	– Resolver
Brake control	– Internal brake rectifier – Internal or external braking resistor
Power supply	– Internal MOVITRANS® TPM for contactless energy transfer or – Internal rectifier for 400 V _{AC} supply
Communication	– WLAN interface with MODBUS TCP or TCP/IP protocol – PROFIBUS interface
I/O	Up to 16 DIs and 8 DOs possible
Local interfaces	– RS232 for service – RS485 for external encoder – CAN for external encoder and additional functions
Housing	Modular aluminum housing design for flexible applications
Enclosure	IP65
Software	MOVIVISION for user-friendly parameter setting functions and diagnostics – Simple axis functions – Technology functions for special conveyor applications – Local diagnostics or remote diagnostics – Fast maintenance