Solutions for Mobile Equipment

Harvesters

Monitoring the tower inclination

- Biaxial inclinometers monitor and automatically level the tower inclination for optimized performance and ease of use.

Monitoring the tower's base

- Draw-wire sensors with CANopen interface or analog output capture the tower's position for precise control and stability.

Determining the tower's height

- Height sensors are integrated into the crane's structure to monitor the tower's position and prevent overloading.

Monitoring the tower's rotation

- Thyristor angle sensors track the tower's rotation for precise control and stability.

Determining the tower's load

- Load cells accurately measure the tower's load to ensure safe operation.

Monitoring the crane's inclination

- Biaxial inclinometers monitor and automatically level the crane's inclination for optimized performance and ease of operation.

Determining the crane's load

- Load cells accurately measure the crane's load to ensure safe operation.

Monitoring the crane's rotation

- Thyristor angle sensors track the crane's rotation for precise control and stability.

Determining the crane's height

- Height sensors are integrated into the crane's structure to monitor the crane's position and prevent overloading.

Determining the crane's load

- Load cells accurately measure the crane's load to ensure safe operation.
Inductive sensors
- favorable with analog and networking
- high protection rating (IP69K)
- high-shock and vibration proof
- different series with suppression of interferences and shocks

Capacitive sensors
- high precision in response (PWM) and resistance
- extremely safe in an explosion
- different types available with specific connector types

Pressure sensors
- full-precision over dynamic range
- high protection rating (IP69K) and improved EMC properties
- many different designs, optionally available with vehicle-specific connectivity

Encoder and draw-wire sensors
- fully shock and vibration proof
- high protection rating (IP69K) and immunity to interferences at high speed rotation
- optionally available with SIL or e1 type approval

Pressure sensors
- peak pressure cover prevents damage caused by high pressure shocks
- high operational safety thanks to rugged mechanical and electronic design
- various analog outputs for 5VDC, 12VDC and 24VDC on-board power supply

Ultrasonic sensors
- 4x high-precision sensors
- fully adjustable in any air quality conditions
- contactless and wear-free, failsafe detection

Linear position and angle sensors
- magnetic switching principle for the construction and ease of use, high reliability
- high protection rating (IP69K)
- different types available with IP65 to IP69K

Interface modules and power supply units
- modules for enabling, current passage and conditioning of analog and digital inputs
- different standard designs and variants for various applications

Cables and connectors
- high pressure connection technology all in 1 (IP69K, IP67, Quick) check and connection proof
- high-shock and vibration proof
- high protection rating (IP69K) and immunity to interferences
- many different connection types, ready-made and as a plug-in unit
- 3x3 module
- 6x6 module
- 12x12 module with integrated control boxes and DIN rail mounting

Communicate Effectively
Compact I/O modules in IP67 and IP9K
- Multiprotocol technology for use with
PROFINET, DeviceNet and Modbus TCP
- Fully protected electronics (IP67 and IP9K)
- Fully protected electronics (IP67 and IP9K)
- Safe logic solution for medium speed signal transmission, 24 Vdc, Max
- USB interface and option for extending environmental monitoring Tools to perform load tests on compare PLC field logic (CANbus)

Compact I/O modules in IP65 and IP9K
- Multiprotocol technology for use with
PROFINET, DeviceNet and Modbus TCP
- Fully protected electronics (IP67 and IP9K)
- Fully protected electronics (IP67 and IP9K)
- Safe logic solution for medium speed signal transmission, 24 Vdc, Max
- USB interface and option for extending environmental monitoring Tools to perform load tests on compare PLC field logic (CANbus)

Wireless system DX
- Flexible network modules for radio transmission of sensor signals
- MULTI-FLEX technology for mixed HF and UHF operation
- Application-optimized data carriers and read/write heads, also for use in Ex areas
- Flexible and easy integration into systems, thanks to a big variation of communication modules in IP67
- Flexible and easy integration into systems, thanks to a big variation of communication modules in IP67
- Application-optimized data carriers and read/write heads, also for use in Ex areas

Interface modules
- Digital inputs, digital outputs, analog inputs, analog outputs and digital Mini-IO block modules
- CODESYS-Programmable gateways for the I/O system BL67
- CODESYS-programmable gateways for the I/O system BL67
- CODESYS-programmable gateways for the I/O system BL67

I/O modules available as: digital, analog, temperature, RS232/485/422, SSI, RFID, valve manifolds

Connect Reliably
Modules to isolate, convert, process and transmit analog and digital signals
- passive junctions and T-pieces
- signal transfer and voltage distribution
- different designs and wirings available
- rugged construction (fully encapsulated), IP67 rated

Communication and automation solutions
- CODESYS - programmable gateways for the I/O system BL67
- CODESYS-programmable gateways for the I/O system BL67
- CODESYS-programmable gateways for the I/O system BL67
- CODESYS-programmable gateways for the I/O system BL67

Flexible network modules for radio transmission of sensor signals
- MULTI-FLEX technology for mixed HF and UHF operation
- Application-optimized data carriers and read/write heads, also for use in Ex areas
- Flexible and easy integration into systems, thanks to a big variation of communication modules in IP67
- Application-optimized data carriers and read/write heads, also for use in Ex areas

Peripheral control
- CODESYS-programmable gateways for the I/O system BL67
- CODESYS-programmable gateways for the I/O system BL67
- CODESYS-programmable gateways for the I/O system BL67

Rack lights and LED strips
- long-life LED technology, low energy consumption
- excellent light quality, clearly visible over long distances and in daylight
- flexible and simple installation due to versatile mounting accessories

Communicate Effectively
Multi-technology solutions
- CODESYS-programmable gateways for the I/O system BL67
- CODESYS-programmable gateways for the I/O system BL67
- CODESYS-programmable gateways for the I/O system BL67

Flexible and simple installation due to versatile mounting accessories
- long-life LED technology, low energy consumption
- excellent light quality, clearly visible over long distances and in daylight
- flexible and simple installation due to versatile mounting accessories

Collect Precisely
Three phase asynchronous motors
- MOM CLP
- MOM CLP
- MOM CLP

Flexible network modules for radio transmission of sensor signals
- MULTI-FLEX technology for mixed HF and UHF operation
- Application-optimized data carriers and read/write heads, also for use in Ex areas
- Flexible and easy integration into systems, thanks to a big variation of communication modules in IP67

Automate Efficiently
Efficient and reliable automation
- CODESYS-programmable gateways for the I/O system BL67
- CODESYS-programmable gateways for the I/O system BL67
- CODESYS-programmable gateways for the I/O system BL67

Flexible and simple installation due to versatile mounting accessories
- long-life LED technology, low energy consumption
- excellent light quality, clearly visible over long distances and in daylight
- flexible and simple installation due to versatile mounting accessories

Inclinometers
- available with analog and networking
- high protection rating (IP69K) and improved EMC properties
- fully adjustable in any air quality conditions
- contactless and wear-free, failsafe detection