

OsiSense for your mobile equipment applications



Simply easy!™



Telemecanique

Sensors

> Telemecanique Sensors

Simply easy!

Simplicity



Expertise



Proximity



Telemecanique™ Sensors: a world-class global brand offering a comprehensive line of products with over 25,000 types of sensors, including limit switches, pressure sensors, and photoelectric and proximity sensors. In addition, we provide state-of-the-art RFID systems that are compatible with many PLC manufacturers as well as industrial encoders.

Telemecanique Sensors: has all the right agency approvals, such as IEC, NEMA, CE, CCC, UL, CSA, EAC.

Telemecanique Sensors: focused on three core values — Simplicity, Proximity, and Expertise — we have become experts in factory automation sensors as well as specialists in demanding applications, making our customers' lives "Simply easy!"

> Innovation Focus

Our new inductive sensor is the first product combining both SIL2 certification from the TÜV and E2 certification dedicated to mobile equipment.



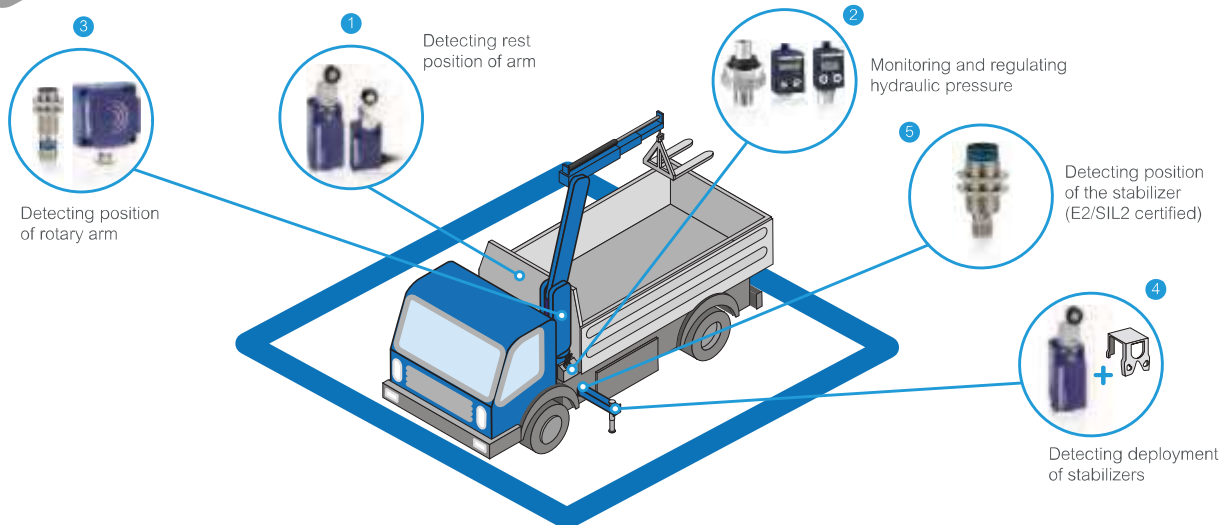
A high level of certification

- Safety Integrity Level (SIL) level 2 for industrial machinery. Based on our expertise in safety products, this sensor helps you answer the need for an increased level of safety in your automated systems.
- The new E2 certification guarantees a high level of electromagnetic withstand, adapted to mobile equipments and vehicles.

A reliable product

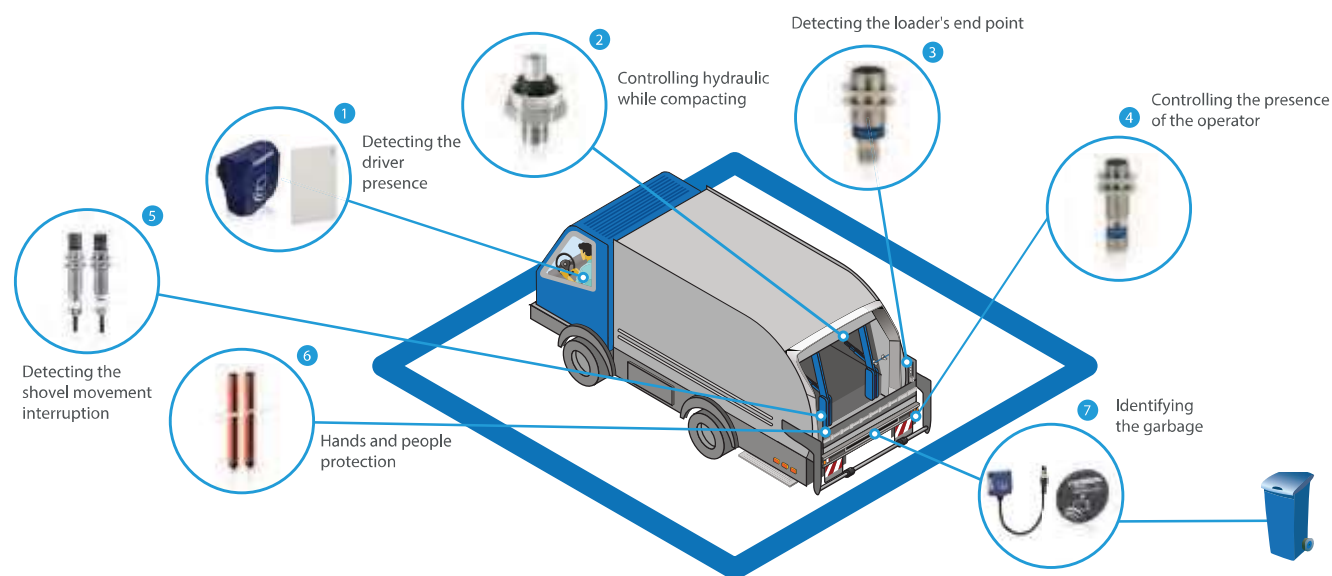
Complementary outputs (NO+NC), combined with the high level of safety, guarantee the overall reliability of your installation, detecting instantly any failure (short cut, cable vulnerability, etc.)

> Truck loading cranes



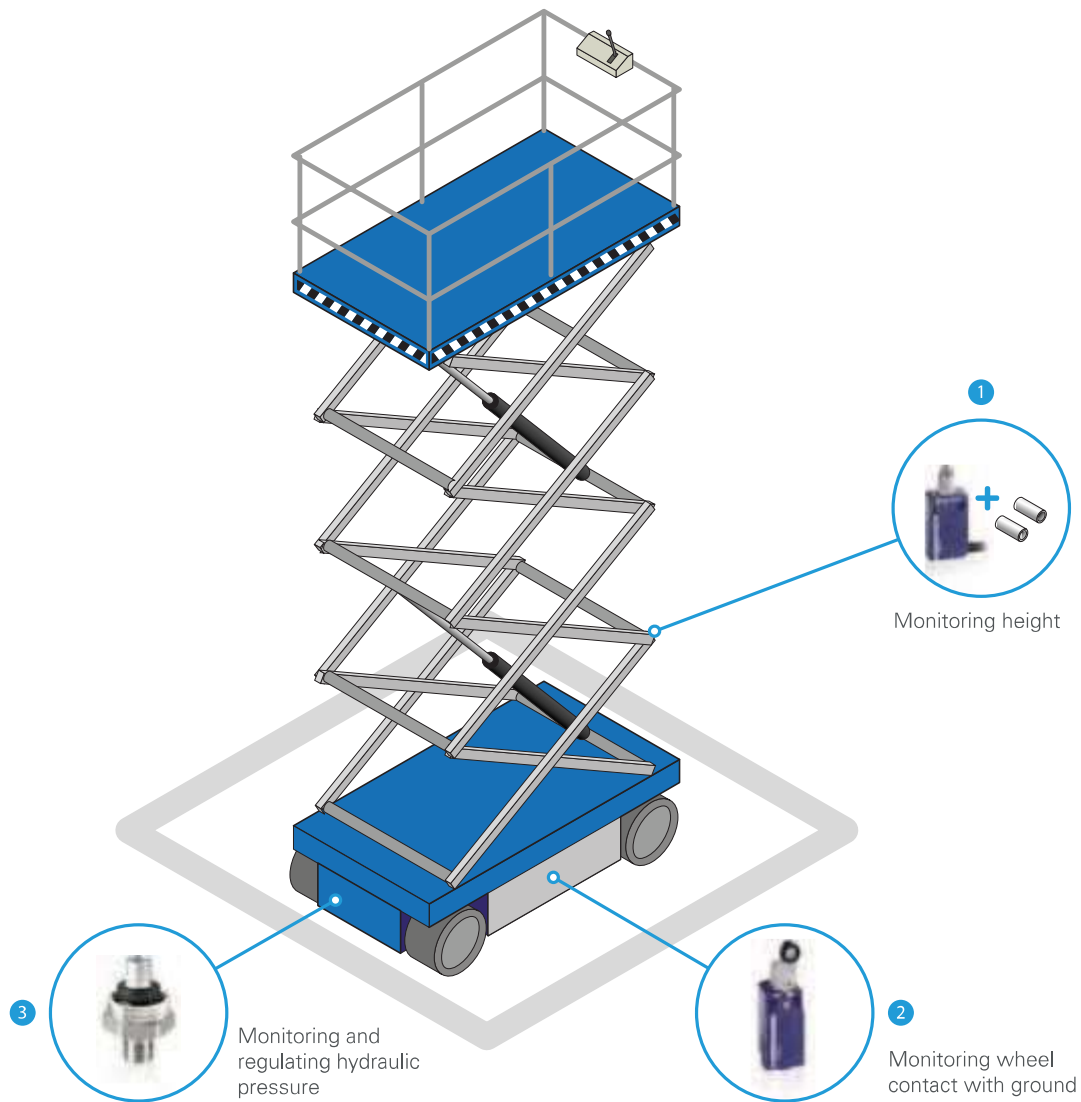
- | | | |
|---|------------------------|---|
| 1 | OsiSense XCKP or XCMD | Compactness and modularity of the head for easy mechanical adaptation |
| 2 | OsiSense XMLP | Compactness and robustness for reliable regulation |
| 3 | OsiSense XCKD + XCKZ05 | Robustness for increased resistance to impact and the environment |
| 4 | OsiSense XS | Ease of installation and adjustment |
| 5 | OsiSense XS SIL2 | Increased level of safety |

> Garbage trucks



- | | | |
|-------|---------------|---|
| 1 & 7 | OsiSense XG | Open for a free choice of electronic tags and networks |
| 2 | OsiSense XMLP | Ease of installation and adjustment |
| 3 & 4 | OsiSense XS | Simple maintenance and setting |
| 5 | OsiSense XU2S | High level of reliability and quality, long life duration |
| 6 | OsiSense XUSL | Compactness and robustness for reliable regulation |

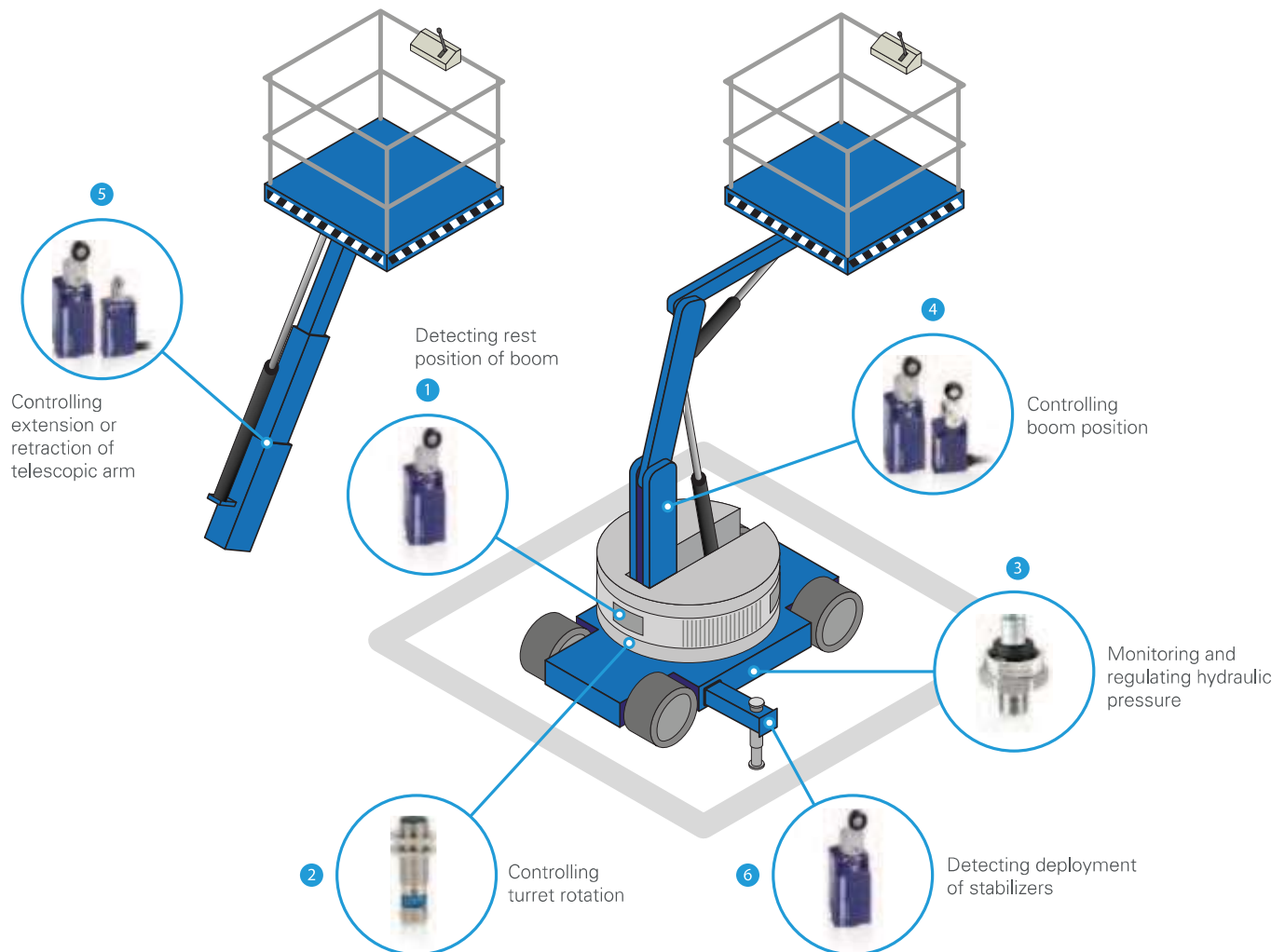
> Scissor lift platforms



- | | | |
|---|------------------------|---|
| 1 | OsiSense XCMD + XCMZ06 | Compactness and multitrack mounting for detecting the various heights |
| 2 | OsiSense XCKP | Compactness, providing easy mechanical adaptation |
| 3 | OsiSense XMLP | Compactness and robustness for reliable regulation |



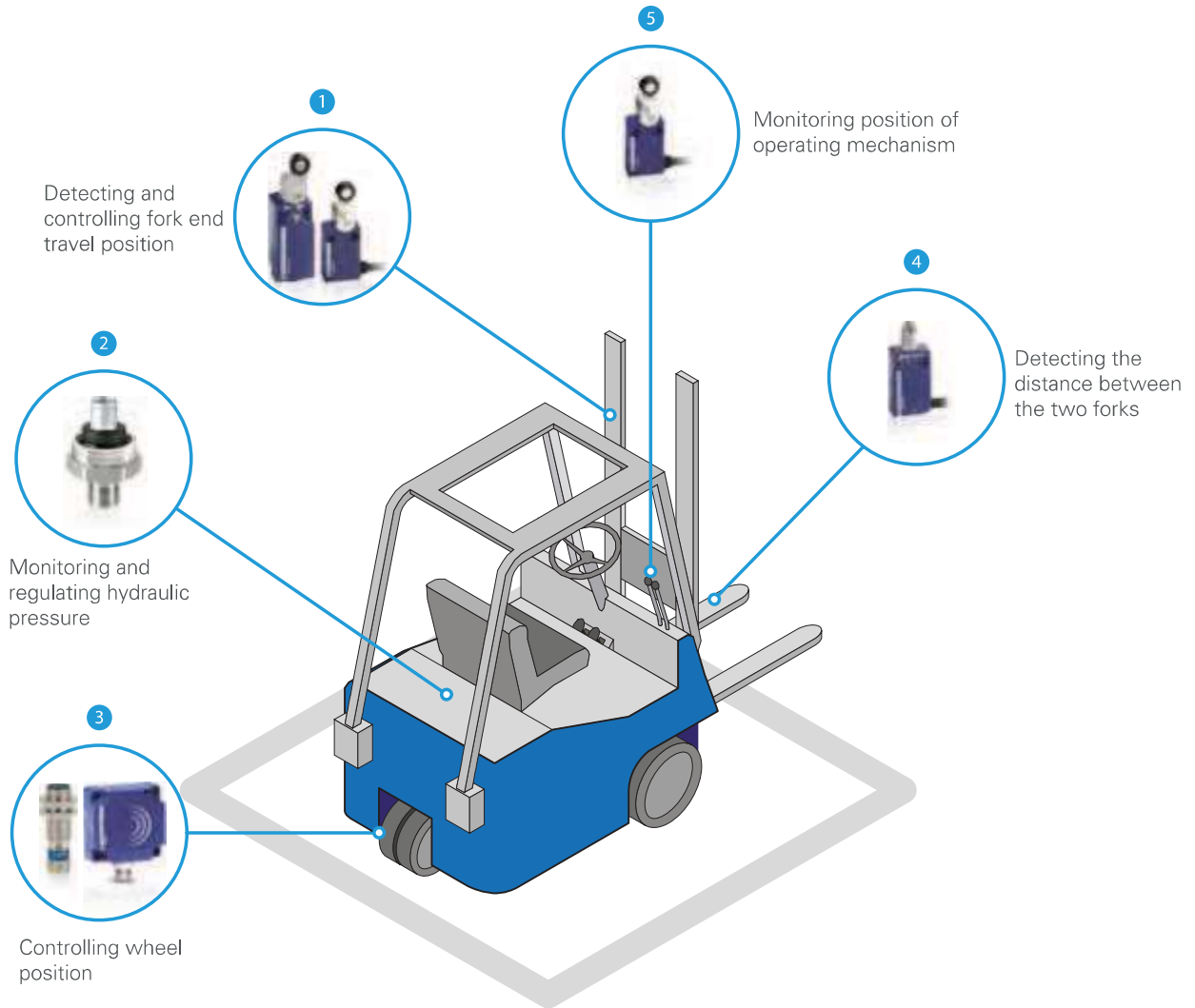
> Boom lift platforms



- | | |
|--|---|
| 1 OsiSense XCKP | Compactness, providing easy mechanical adaptation |
| 2 OsiSense XS | Ease of installation and adjustment |
| 3 OsiSense XMLP | Compactness and robustness for reliable regulation |
| 4 & 5 OsiSense XCKP or XCMD | Compactness and modularity of the head for easy mechanical adaptation |
| 6 OsiSense XCKD | Robustness for increased resistance to impact and the environment |



> Fork lifts



- | | | |
|-------|-----------------------|---|
| 1 | OsiSense XCKP or XCMD | Compactness and modularity of the head for easy mechanical adaptation |
| 2 | OsiSense XMLP | Compactness and robustness for reliable regulation |
| 3 | OsiSense XS | Ease of installation and adjustment |
| 4 & 5 | OsiSense XCMD | Compactness and wide choice of heads for easier integration |





Choose the best-suited product for your application

Limit switches



	Contact	Connection			
XCKD Metal	NO+NC Snap	M16	XCKD2110P16	XCKD2102P16	XCKD2118P16
		Pg11	XCKD2110G11	XCKD2102G11	XCKD2118G11
XCKP Plastic	NO+NC Snap	M16	XCKP2110P16	XCKP2102P16	XCKP2118P16
		Deutsch	XCKP2110D44	XCKP2102D44	XCKP2118D44
XCKT Plastic	NO+NC Snap	M16	XCKT2110P16	XCKT2102P16	XCKT2118P16
		Pg11	XCKT2110G11	XCKT2102G11	XCKT2118G11
XCMD Metal	NO+NC Snap	1 m	XCMD2110L1	XCMD2102L1	XCMD2115L1
	NO+NC Slow	1 m	XCMD2510L1	XCMD2502L1	XCMD2515L1

Head protection accessory
Ref: XCKZ05



Spacer for mounting multitrack
Ref: XCMZ06




The
of the range

Introducing the only compact, modular switch with a Deutsch connector
Ref: ZCPED44



Inductive sensors



			Ø 12 mm	Ø 18 mm	15 x 32 x 8 mm	26 x 26 x 13 mm	40 x 40 x 15 mm
XS	Sensing distance		4 mm	8 mm	5 mm	10 mm	15 mm
DC 3 wires NO	PNP	cable	XS112B3PAL2	XS118B3PAL2	XS7F1A1PAL2	XS7E1A1PAL2	XS7C1A1PAL2
		connector	XS112B3PAM12	XS118B3PAM12	XS7F1A1PAL01M8	XS7E1A1PAM8	XS7C1A1PAM8
	NPN	cable	XS112B3NAL2	XS118B3NAL2	XS7F1A1NAL2	XS7E1A1NAL2	XS7C1A1NAL2
		connector	XS112B3NAM12	XS118B3NAM12	XS7F1A1NAL01M8	XS7E1A1NAM8	XS7C1A1NAM8



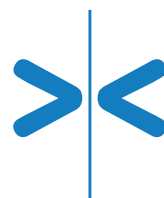
Suitable to machines

Pressure transmitters



Hydraulic oils, air, fresh water, sea water, gases

-30 ... +100 °C		Analogue 4 ... 20 mA	
Bars	Psi	DIN connector	M12 connector
100	1450	XMLP100BC22	XMLP100BD22
160	2320	XMLP160BC22	XMLP160BD22
250	3625	XMLP250BC22	XMLP250BD22
400	5800	XMLP400BC22	XMLP400BD22
600	8700	XMLP600BC22	XMLP600BD22



Thin-film technology
without gasket

Discover our complete offer: www.tesensors.com or contact your local sales agency

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Due to the constant evolution of standards and equipment, the specifications indicated in the text and images of this document can only be guaranteed after confirmation by our departments

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