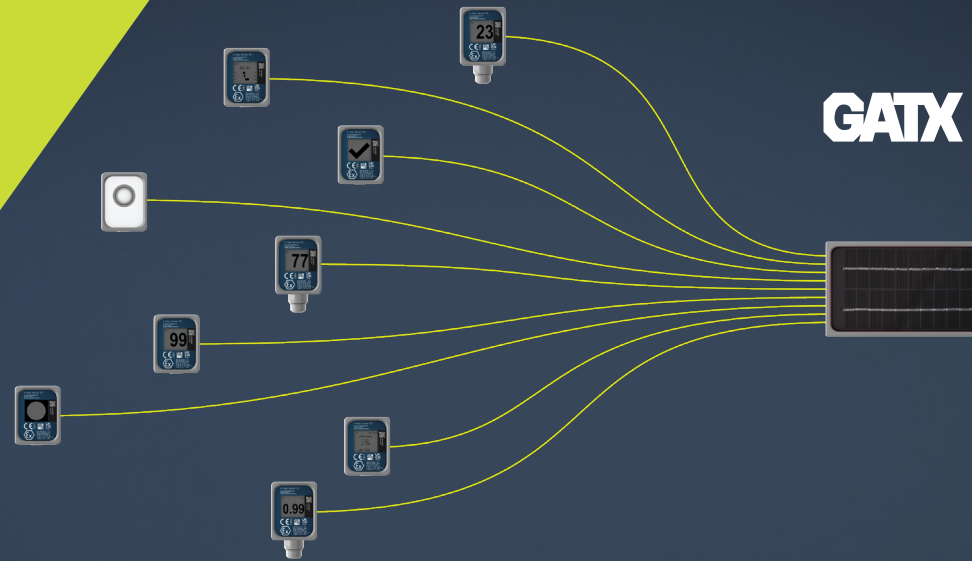# TELEMATICS & SENSORIC SOLUTIONS

Kingpin Sensor
X-RAYL® SENSOR S3DSP

The Kingpin sensor can be used for our T3000e railcars to monitor all loading and unloading events aswell to assure proper load locking and monitor the kingpin and lock position. Real-time data triggered by the sensor is displayed on the senor's screen on each side of the wagon and can also be integrated with your existing logistics applications.

Features

Set	2x contact sensors, 2x displays
Casing material	Aluminium
ATEX certification	II 2 G Ex ib IIC T6 Gb, II 2 D Ex ib IIIC 85 °C Db
ATEX temperature range (ambient)	-40 to 60 °C
Operating temperature range (ambient)	-40 to 60 °C
Connection to pointer via Bluetooth Low Energy	Yes
Event-Portal reaction time of under 2 min.	Yes
Ready for Intratrain communication	Yes
Firmware over the Air Update	Yes
Smartphone and tablet communication	Yes
Measurement interval	Dynamic
State detection	Locked, Loading, Unloading

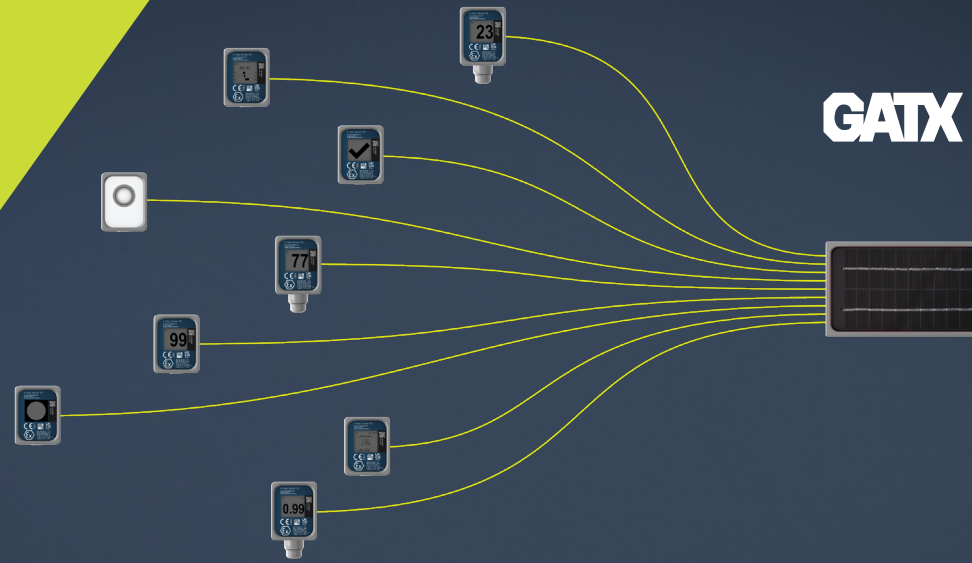**Scan the QR-Code for more details:**

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TELEMATICS & SENSORIC SOLUTIONS
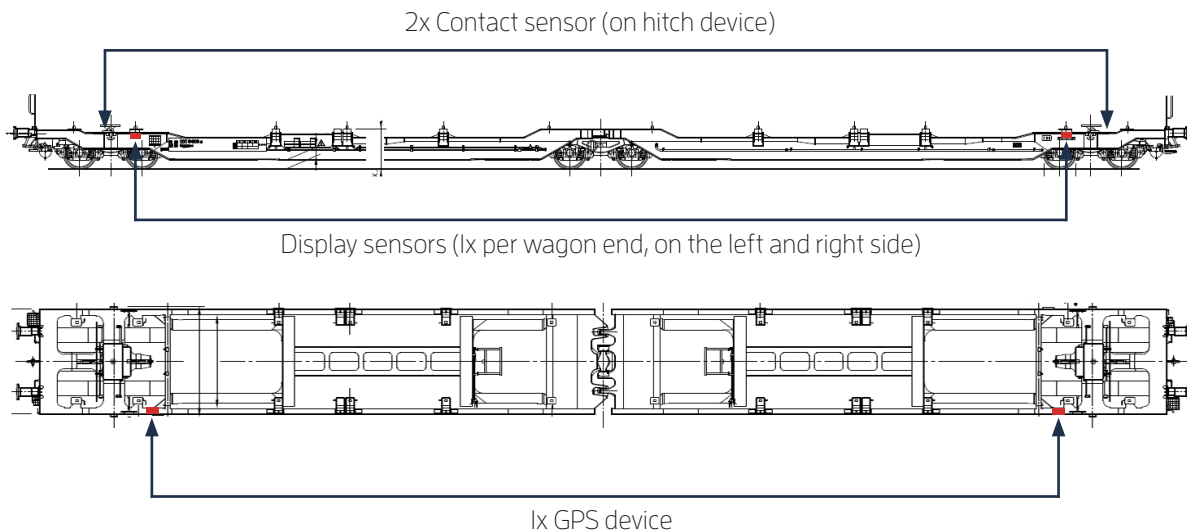
Kingpin Sensor
X-RAYL® SENSOR S3DSP

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Location of sensors

The GATX T3000e 6-axle double pocket wagon is equipped with DOT Kingpin sensor set, which consists of 2 DOT X-Rayl Pointer GPS devices, 4 DOT S3DSP display sensors and 4 DOT S3MEP contact sensors.
One GPS device, two display sensors (each on the right and left side of the wagon) and two contact sensors (one sensor per hitch device) are mounted on each end of a wagon.

2x Contact sensor (on hitch device)

Display sensors (Ix per wagon end, on the left and right side)

Ix GPS device

Displayed Statuses

Depending on the detected status of sensors, the system will show the below described symbols on the display.

NO TRAILER ON / NOT CORRECTLY LOADED	✘
TRAILER ON AND LOCKED	✔
TRAILER READY FOR LIFT OFF	↑

Safety disclaimer

The equipped system does not replace safety checks to be performed by the loading personnel. The correct loading and locked condition has to be visually checked by the loading staff.

Scan the QR-Code for more details:

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