

KINEXON

Paperless Production

Smart and Sustainable Manufacturing & Logistics



A Unique Solution For Smart Operations

Developed for the demands of complex industrial environments: The KINEXON ePaper Tag unites precise ultra-wideband (UWB) localization technology with interactive e-ink visualization for flexible and sustainable operations.

The flexible implementation opportunities of the KINEXON ePaper Tag enable seamless management and maximum agility among your production chain: The dynamic screen enables real-time localization and communication among shop floor workers and creates a continuous digital thread of all production steps. Given its low power consumption and image retention through network connectivity issues, the ePaper Tag is designed to optimize production quality even in the most challenging conditions.










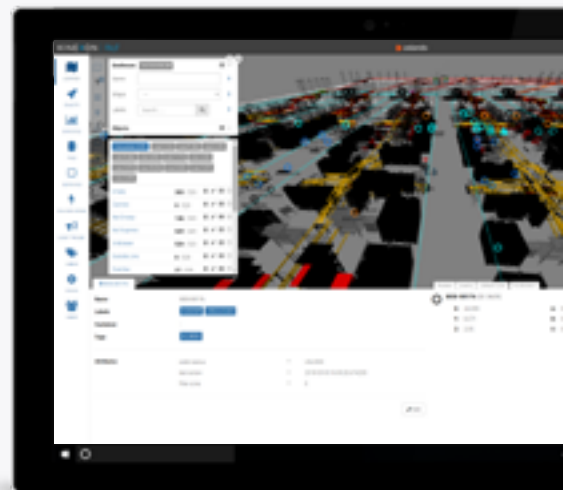
Real-time
interaction

Enhanced
information flow

Sustainable
paperless alternative

KEY FACTS

-  UWB-based real-time localization and communication
-  Resilient low-power e-ink display
-  Display for text, bar codes, images, and timer
-  Customizable flashing LED
-  Integrated action button for status updates and event triggers
-  Robust IP67 case
-  Automatic event trigger updates



Available Editions

Depending on your use case and demands, pick one of our two KINEXON ePaper Tag options:

1

BATTERY-POWERED

For fixed installations and infrequent status updates

Battery life: up to 5 years (depending on use)

Wireless charging: –

Display options: ● ○ ● / ● ○

Weight: 197g



2

RECHARGEABLE

For tracking objects and high update rates

Battery life: up to 2 years

Wireless charging: inductive via KINEXON charging case

Display options: ● ○ ● / ● ○

Weight: 180g



Complete Integration: The KINEXON ePaper Tag as Part of a Smart End-to-End Solution

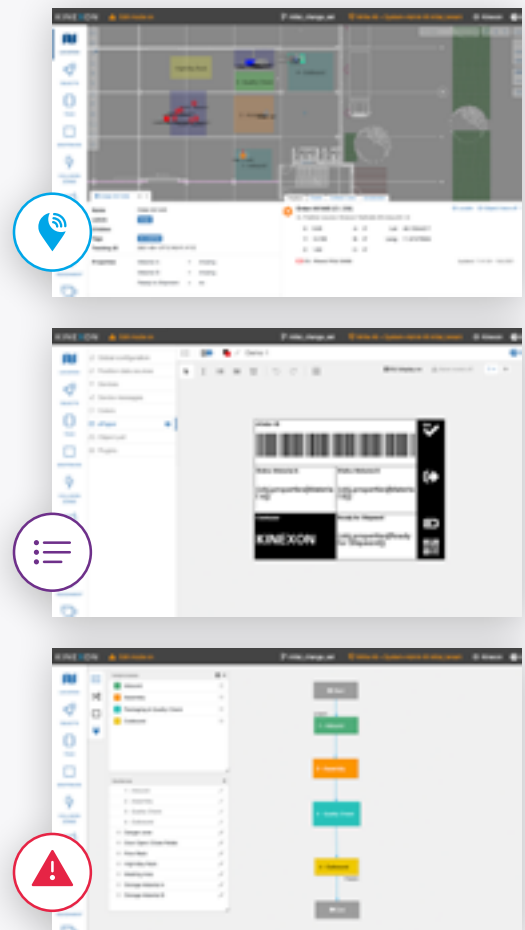
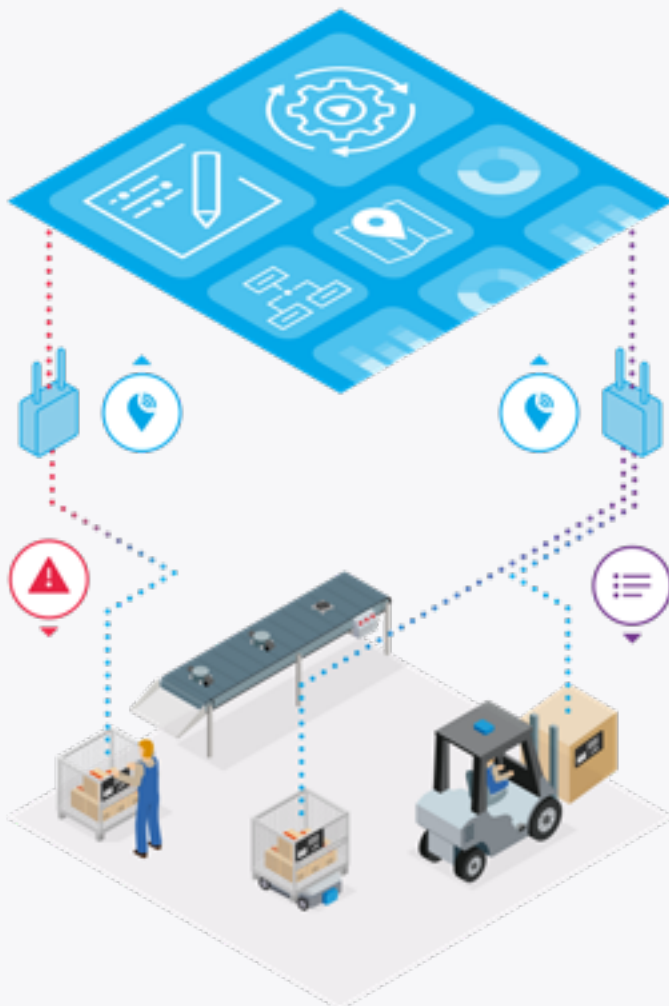
KINEXON's location intelligence platform RIoT (Real-Time Internet of Things) allows your business to configure and customize the ePaper Tag for your individual needs.

Control the KINEXON ePaper Tag dynamically via pre-configured event triggers and define a custom information display.

The precise UWB sensor network communicates this data to the smart e-Ink display. You can simultaneously track the location of the KINEXON ePaper Tag in real time with centimeter precision.

The central RIoT platform allows you to seamlessly manage and monitor your supply chain at all time. It is capable of processing data from all location technologies, seamlessly integrates with your existing IT-infrastructure, and can automatically share data with your third-party systems.

Location Intelligence: An Effective Value-Add Strategy



Benefit from the KINEXON ePaper Tag

Find the **true potential** of our paperless solution:



SMART MATERIAL MANAGEMENT

- Digitalize order sheets in production
- Implement flexible production processes through dynamic display updates
- Integrate relevant data from third-party systems (e.g. material usage from MES)



WORKFLOW OPTIMIZATION

- Status display for employees
- Directions for process operations (e.g. the next process step)
- Direct reporting through employees (e.g. notification regarding material defect)



PROCESS TIME CONTROL

- Integrated timer function (e.g. for decay times)
- Automatic warning signal for process violations

Benefit Overview

KINEXON's ePaper solution presents a way to paperless production and logistics. It creates added value on many levels, from optimizing processes and securing information quality to increasing the sustainability of your business.



Real-time
Interaction



Enhanced
Information Quality



Sustainability through
Paper Reduction



Efficient Process
Design



Quality
Assurance



Seamless
Integration

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