Transparent Workforce Tracking and Monitoring with

SmarTrace

POZI
POZI.TECH

Accurate and Safe Real-Time Location Tracking for Your Operations

SmarTrace provides precise tracking for workforce and resources, even in challenging environments.

By leveraging a combination of advanced RTLS technologies and ergonomic analytics, SmarTrace enhances safety, streamlines operations, and supports compliance across a wide range of industries, including construction, manufacturing, logistics, and more.

- ! Not moved for an hour
- Mark S
- Zone A08
- Tag 024 86%
- John D
- Zone B24
- Tag 082 64%
- 8:12
- 26%
- ⚠ Atex Zone Category 1
- Zone A12
- 0 workers
- Zone B24
- 2 workers John D Dave H
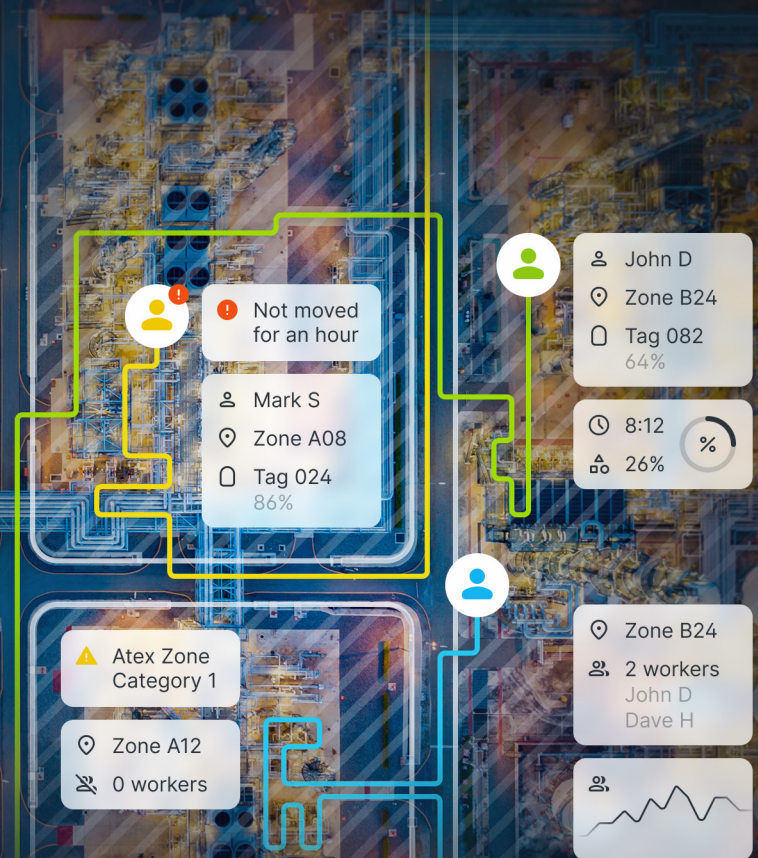
Enhance safety with real-time alerts

Optimize workforce productivity

Gain valuable spatial insights

Ensure transparent and precise time tracking

Improve EHS standards with ease

Access analytics customized to your goals

Productivity Features

- Accurate indoor and outdoor positioning
- Workforce activity monitoring and tracking
- Zone-based movement and presence analysis
- Shift and time recording
- Customized automated reporting
- Seamless ERP system integration

Safety Features

- Real-time motion and activity alerts
- Proximity detection with notifications
- Emergency response tracking readiness
- Automatic incident notifications
- Zone-based safety in high-risk areas
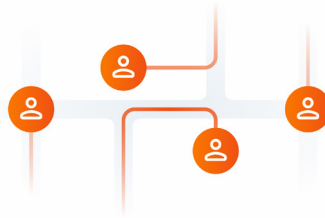- Restricted area access alerts

Live Tracking

Track real-time worker locations and movements on a map, including recent routes, for enhanced situational awareness.

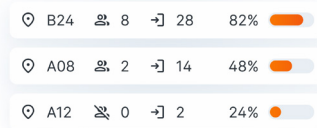👤 John D
◎ Zone B24
▭ Tag 082
64%
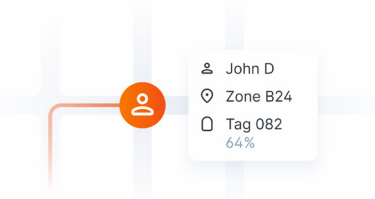
Precise Movement Tracking

Visualize and analyze movement patterns both indoors and outdoors, with activity diagrams and detailed location maps.

Zone-Based Analytics

Track worker movements across defined site zones, tracking exact entry / exit times and activity percentages.
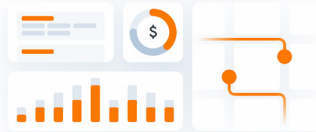
◎ B24	👥 8	⏳ 28	82% ▬▬
◎ A08	👥 2	⏳ 14	48% ▬▬
◎ A12	👥 0	⏳ 2	24% ▬

Shift and Time Recording

Log worker activity and shifts based on tag pickup and drop-off, enabling a reliable foundation for time tracking.

👤 John D	▬▬▬▬	5:22
👤 Dave H	▬▬▬▬	5:48
👤 Mark S	▬▬▬	6:14

Efficiency Metrics

Measure productivity by tracking time and movement efficiency in specific zones, identifying operational bottlenecks.

Irregularity Detection

Identify and highlight irregularities and unusual activity patterns, providing deeper insights into workforce behaviors and time utilization.

11:20 - 12:20
0 active

Components

Infrastructure

Designed to meet precision requirements:

- **Indoors**: UWB positioning or BLE presence detection provides accurate tracking.
- **Outdoors**: GPS ensures broad coverage, with optional RTK infrastructure available for high-precision needs.
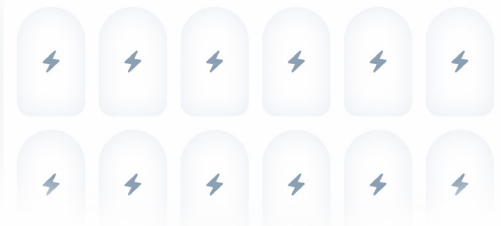
SmarTags

Compact and wearable devices, designed for advanced tracking technologies, ensuring reliable workforce monitoring.

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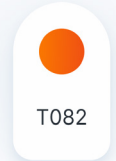
Charging

Qi-compliant multi-slot chargers accommodate up to 12 devices simultaneously, ensuring uninterrupted operation in demanding environments.

Technology

- Outdoor tracking: GNSS (GPS, Galileo, GLONASS), RTK, PPK with accuracy up to 10 cm
- Indoor tracking: UWB or BLE with accuracy up to 20 cm
- Seamless hybrid tracking across indoors and outdoors
- Temporary offline data storage
- Connectivity via UWB or 2G/4G
- On-premise, private cloud, or cloud
- Optional Ex-certified SmarTag (up to ATEX Zone 1)