

RFID & RTLS SOLUTIONS

Real-Time Visibility. Smarter Operations.

RFID & RTLS technologies that provide real-time tracking, accurate data and complete visibility across your operations.



REAL-TIME
TRACKING



ACCURATE
VISIBILITY



OPERATIONAL
EFFICIENCY



ENHANCED
SECURITY



DATA-DRIVEN
DECISIONS



RFID

Identify. Track. Manage.

From inventory to assets,
RFID ensures accurate and
efficient operations.



RTLS

Locate. Monitor. Optimize.

Real-Time Location Systems
that track people, assets
and equipment with
high precision.



IMPROVE ACCURACY

Reduce manual errors and
get accurate data in real-time.



SAVE TIME & COST

Automate processes and
improve productivity.



COMPLETE VISIBILITY

End-to-end visibility of assets,
inventory and movement.



**ENHANCE SAFETY
& COMPLIANCE**

Monitor critical assets and ensure
regulatory compliance.



RFID TRACKING SOLUTION

RFID Asset & Inventory Tracking



OVERVIEW

RFID (Radio Frequency Identification) is a wireless identification technology that uses radio waves to automatically identify and track tagged assets, inventory, pallets, tools, and equipment. RFID enables fast, accurate, and contactless data capture without requiring direct line-of-sight.



KEY FEATURES

-  Passive & Active RFID Technology
-  Bulk Tag Reading
-  Contactless Identification
-  Long Read Range (up to 15 meters with passive UHF)
-  Fixed & Handheld Reader Support
-  Real-Time Inventory Visibility
-  ERP/WMS Integration
-  Anti-Collision Reading
-  Asset Movement Tracking



APPLICATIONS

-  Warehouse Management
-  Manufacturing
-  Retail
-  Healthcare
-  Logistics & Supply Chain
-  Libraries
-  Textile Industry
-  Automotive



BENEFITS

-  99%+ Inventory Accuracy
-  Faster Receiving & Dispatch
-  Reduced Manual Errors
-  Lower Labor Costs
-  Improved Warehouse Productivity
-  Complete Asset Visibility
-  Faster Stock Audits
-  Better Traceability



BULK READING



LONG RANGE
UP TO 15 METERS



REAL-TIME
VISIBILITY



ACCURATE &
FAST TRACKING

TECHNOLOGIES



UHF



HF



ACCURATE
DATA CAPTURE



CONTACTLESS
TECHNOLOGY



REAL-TIME
VISIBILITY



IMPROVED
EFFICIENCY



COST
EFFECTIVE



BETTER
DECISIONS



RFID HARDWARE COMPONENTS

1 RFID PASSIVE TAGS



- UHF / HF Passive Tags
- Paper, On-Metal, ABS, PPS
- Labelle, Card, Disc, Laundry Tags
- Long Read Range & High Performance

2 RFID ACTIVE TAGS



- Long Battery Life
- Real-Time Tracking
- IP67 / IP68 Rating
- Built-in Sensors (Optional)

3 RFID FIXED READERS



- UHF / HF Fixed Readers
- Multi-Protocol Support
- High Read Accuracy
- Industrial Grade & 24x7 Operation

4 RFID HANDHELD READERS



- UHF / HF Handheld Devices
- Ergonomic & Rugged Design
- Long Battery Backup
- Wi-Fi / 4G / Bluetooth Connectivity

5 RFID ANTENNAS



- UHF / HF Antennas
- Circular, Panel, Ceiling, PCB
- Wide Beamwidth Options
- High Gain & Long Range

6 RFID PRINTERS & ENCODERS



- RFID Label Printing & Encoding
- UHF / HF Support
- High-Speed & High Accuracy
- Multiple Connectivity Options

7 RFID GATE PORTALS



- UHF RFID Gate Systems
- Bi-Directional Reading
- High Throughput
- Vehicle & Pedestrian Gates

8 RFID CONTROLLERS



- Reader Management
- I/O & Sensor Integration
- Edge Processing
- Industrial Grade Reliability

9 RFID MIDDLEWARE



- Real-Time Data Processing
- Device Management
- Business Rules & Alerts
- ERP / WMS Integration

10 CLOUD / ON-PREMISE SERVER



- Cloud or On-Premise Deployment
- Scalable & Secure
- High Availability
- Data Backup & Recovery



HIGH
ACCURACY



WIDE
READ RANGE



RELIABLE &
DURABLE



EASY
INTEGRATION



SCALABLE
SOLUTION



24x7
OPERATION

BLE REAL-TIME LOCATION SYSTEM (RTLS)

BLE Tracking Solution



OVERVIEW

BLE (Bluetooth Low Energy) RTLS is a wireless positioning solution that continuously tracks the real-time location of people, vehicles, and high-value assets using BLE beacons, gateways, and location analytics.



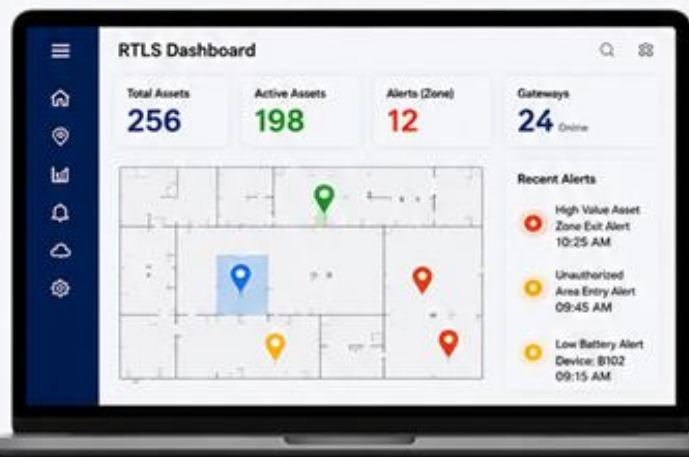
KEY FEATURES

-  Real-Time Location Tracking
-  Indoor Positioning
-  Live Asset Monitoring
-  Geofencing
-  Movement History
-  Zone-Based Alerts
-  Mobile & Web Dashboard
-  Low Power Consumption
-  Cloud Monitoring



BENEFITS

-  Locate Assets Instantly
-  Reduce Search Time
-  Improve Asset Utilization
-  Prevent Asset Loss
-  Employee Safety
-  Better Operational Efficiency
-  Live Alerts & Notifications
-  Historical Analytics



BLE HARDWARE COMPONENTS

Reliable hardware components to build a powerful BLE RTLS ecosystem

1 BLE BEACON



- Low Power & Long Battery Life
- Long Transmission Range
- IP Rating Options
- Easy Installation (Wall / Ceiling)
- Configurable Advertisement

2 BLE ASSET TAG



- Compact & Lightweight
- Long Battery Life (1-5 Years)
- Molded & Temperature Sensor (Optional)
- IP67 / Rugged Design
- Easily Attached to Assets

3 BLE GATEWAY



- Multiple BLE Connections
- Wide Coverage Area
- Ethernet / Wi-Fi / 4G Options
- Edge Data Processing
- PoE Support

4 BLE ANCHOR



- High-Precision Positioning
- Synchronization with Gateway
- Wide Area Coverage
- Easy Mounting
- 2.4 GHz Connectivity

5 NETWORK SWITCH



- Gigabit / PoE Support
- Reliable Network Connectivity
- High Performance
- VLAN Support
- 24/7 Operation

6 SERVER



- High Performance
- On-Premise / Cloud Deployment
- Scalable Storage
- Secure Data Handling
- 24/7 Availability

7 DASHBOARD SOFTWARE



- Real-Time Asset Tracking
- Indoor Maps & Visualization
- Alerts & Notifications
- Reports & Analytics
- Role-Based Access

8 MOBILE APPLICATION



- Real-Time Location View
- Asset Search & Details
- Alerts & Notifications
- Location History
- User-Friendly Interface

9 ANALYTICS PLATFORM



- Advanced Analytics
- Heatmaps & Movement Patterns
- KPI Reports & Trends
- Predictive Insights
- Data Export & Integration



ACCURATE
POSITIONING



LOW POWER
TECHNOLOGY



WIDE COVERAGE
& RELIABILITY



EASY INTEGRATION
& DEPLOYMENT



SECURE &
SCALABLE



ACTIONABLE
INSIGHTS

ASSET TRACKING



OVERVIEW

RFID and BLE-based Asset Tracking enables real-time identification, monitoring, and management of valuable assets across manufacturing plants, warehouses, hospitals, and offices.



FEATURES



Real-Time Asset Tracking



RFID & BLE Integration



Indoor & Outdoor Tracking



Asset History



Movement Alerts



Mobile & Web Dashboard



ERP Integration



APPLICATIONS



Manufacturing Plants



Warehouses



Hospitals



Data Centers



Offices



Construction Sites



BENEFITS



Prevent Asset Loss



Faster Asset Search



Improve Asset Utilization



Reduce Manual Tracking



ACCURATE

High accuracy asset identification and tracking.



REAL-TIME

Track assets in real-time with live updates.



SECURE

Secure data transmission and access control.



EFFICIENT

Streamline operations and maximize productivity.



RFID
TECHNOLOGY



BLE
TECHNOLOGY



CLOUD
CONNECTIVITY



MOBILE
ACCESS



SMART
ANALYTICS



SEAMLESS
INTEGRATION



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FORKLIFT RFID SOLUTION



OVERVIEW

Automatically identify forklifts, pallets, and goods using RFID technology to improve warehouse movement accuracy and inventory visibility.



FORKLIFT
MOUNTED
RFID READER



AUTOMATIC
PALLET
IDENTIFICATION



REAL-TIME
MOVEMENT
TRACKING



FEATURES



Forklift Mounted RFID Reader



Automatic Pallet Identification



Real-Time Movement Tracking



Driver Identification



Warehouse Navigation



ERP & WMS Integration



Activity Logging



APPLICATIONS



Warehouses



Distribution Centers



Manufacturing Plants



Cold Storage



Logistics



BENEFITS



Faster Material Handling



Reduce Picking Errors



Improve Inventory Accuracy



Increase Warehouse Productivity



ACCURATE
IDENTIFICATION



REAL-TIME
VISIBILITY



IMPROVED
EFFICIENCY



BETTER
DECISIONS



RFID
TECHNOLOGY



REAL-TIME
TRACKING



SEAMLESS
INTEGRATION



SMART
DASHBOARD



IMPROVED
ACCURACY



OPERATIONAL
EXCELLENCE

ULTRA WIDEBAND (UWB) TRACKING



OVERVIEW

Ultra Wideband (UWB) technology provides highly accurate indoor positioning with centimeter-level precision for tracking people, assets, and vehicles.



FEATURES

-  10–30 cm Position Accuracy
-  Real-Time Location Tracking
-  Geo-Fencing
-  Zone Monitoring
-  Collision Avoidance
-  Dashboard Analytics
-  API Integration



APPLICATIONS

-  Manufacturing
-  Automotive Plants
-  Hospitals
-  Mining
-  Airports
-  Smart Factories



BENEFITS

-  Ultra-High Accuracy
-  Worker Safety
-  Asset Visibility
-  Process Optimization

HIGH
ACCURACY



ENHANCED
SAFETY



UWB
TRACKING

REAL-TIME
VISIBILITY



SMARTER
OPERATIONS



UWB
TECHNOLOGY



REAL-TIME
POSITIONING



CENTIMETER
ACCURACY



LOW
LATENCY



SCALABLE
SOLUTION



SEAMLESS
INTEGRATION

ANTI-COLLISION SYSTEM



OVERVIEW

AI, RFID, BLE, and UWB technologies work together to prevent collisions between forklifts, vehicles, machines, and personnel in industrial environments.



FEATURES

-  Vehicle-to-Vehicle Detection
-  Vehicle-to-Pedestrian Alerts
-  Visual & Audible Warning
-  Real-Time Monitoring
-  Safety Zones
-  Event Logging
-  Dashboard Reports



APPLICATIONS

-  Manufacturing Plants
-  Warehouses
-  Mining
-  Ports
-  Airports
-  Logistics Centers



BENEFITS

-  Prevent Workplace Accidents
-  Improve Worker Safety
-  Reduce Equipment Damage
-  Enhance Operational Safety

SAFETY MONITORING DASHBOARD



TOTAL VEHICLES

22



TOTAL PERSONNEL

46



ALERTS

3



ALERTS TODAY

3



EVENTS LOGGED

45



SYSTEM STATUS

ONLINE



SAFETY ZONES

-  High Risk
-  Caution
-  Safe



AI TECHNOLOGY
Smart detection and prediction



RFID TECHNOLOGY
Reliable asset & vehicle identification



BLE TECHNOLOGY
Real-time short range communication



UWB TECHNOLOGY
High-precision indoor positioning



REAL-TIME ALERTS
Instant notifications for critical events



MULTI-DEVICE INTEGRATION
Seamless system connectivity



SMART SAFETY
Intelligent safety management

SMART YARD TRACKING



OVERVIEW

Monitor trailers, containers, trucks, and yard assets in real time to optimize logistics operations and reduce turnaround time.



FEATURES



Trailer Tracking



Container Tracking



GPS + RFID Integration



Gate Automation



Yard Visualization



Vehicle Movement History



Dashboard Analytics



APPLICATIONS



Logistics Parks



Ports



Manufacturing Plants



Distribution Centers



Transport Hubs



BENEFITS



Improve Yard Visibility



Faster Vehicle Movement



Reduce Waiting Time



Optimize Yard Operations

YARD OPERATIONS DASHBOARD



TOTAL TRAILERS

135



CONTAINERS

256



TRUCKS IN YARD

42



VEHICLE STATUS



In Yard 42
In Transit 30
Out 30

AVERAGE
TURNAROUND TIME

32
MIN

ON-TIME
PERFORMANCE

92%



REAL-TIME TRACKING

Track assets in real time.



GPS + RFID TECHNOLOGY

Accurate tracking with dual technology.



GATE AUTOMATION

Automate entry/exit for efficiency.



YARD VISUALIZATION

Visual insights for better decisions.



SMART ANALYTICS

Data-driven insights and reporting.



OPERATIONAL EFFICIENCY

Optimize operations and reduce delays.



IMPROVE PERFORMANCE

Enhance productivity and service levels.



REDUCE TURNAROUND TIME

Minimize idle time and boost throughput.

INVENTORY VISIBILITY SOLUTION



OVERVIEW

Gain complete visibility of inventory across warehouses and production facilities using RFID technology for real-time stock monitoring.



FEATURES



Live Inventory Tracking



Automated Stock Updates



RFID Portal Integration



Inventory Dashboard



Cycle Count Automation



ERP & WMS Integration



Stock Alerts



APPLICATIONS



Warehouses



Retail



Manufacturing



Distribution Centers



Pharmaceutical



Automotive



BENEFITS



100% Inventory Visibility



Reduce Stock Discrepancies



Faster Inventory Audits



Improve Order Fulfillment

REAL-TIME
MONITORING



BETTER
DECISIONS



COMPLETE
INVENTORY
VISIBILITY



ACCURATE
DATA



HIGHER
EFFICIENCY



RFID
TECHNOLOGY



REAL-TIME
VISIBILITY



AUTOMATED
UPDATES



ACCURATE
INVENTORY



SEAMLESS
INTEGRATION



BETTER
PERFORMANCE

RTLS SOLUTIONS

REAL-TIME LOCATION SYSTEM (RTLS)

OVERVIEW

RTLS provides continuous tracking of people, assets, equipment, and vehicles using BLE, UWB, RFID, Wi-Fi, or GPS technologies for enhanced operational visibility.



FEATURES

- Real-Time Location Tracking
- Indoor Positioning
- Geo-Fencing
- Asset & Personnel Tracking
- Heat Maps
- Event Notifications
- Historical Reports
- Mobile & Web Dashboard

APPLICATIONS

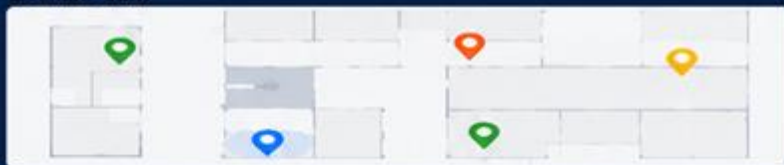
- Manufacturing
- Healthcare
- Warehouses
- Airports
- Smart Buildings
- Mining
- Logistics
- Oil & Gas

BENEFITS

- Complete Operational Visibility
- Improve Worker Safety
- Optimize Asset Utilization
- Reduce Search Time
- Enhance Productivity
- Better Decision Making

RTLS DASHBOARD

LIVE MAP VIEW



TRACKED ENTITIES

People	156
Assets	342
Vehicles	28
Equipment	64

ALERTS TODAY

12

ACTIVE ZONES

8

LOCATION ACCURACY

98%

SYSTEM STATUS

ONLINE

MULTI-TECHNOLOGY
Supports BLE, UWB, RFID, Wi-Fi & GPS

REAL-TIME TRACKING
Track people, assets & vehicles in real time

INDOOR POSITIONING
High-precision indoor location accuracy

GEO-FENCING
Create zones & get instant alerts

ACTIONABLE INSIGHTS
Data-driven insights for better decisions

IMPROVED SAFETY
Enhance worker safety & compliance

OPERATIONAL EXCELLENCE
Optimize operations & reduce downtime

INCREASED PRODUCTIVITY
Streamline processes & save time

COST EFFICIENCY
Reduce costs & improve resource utilization

SCALABLE SOLUTION
Scalable to fit your business needs



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Info Systems Pvt. Ltd.

INDUSTRIES WE SERVE

Smart Tracking Solutions for Every Industry



Manufacturing



Automotive



Textile



Pharmaceutical



Healthcare



Logistics



Warehousing



Retail



Food & Beverage



Aerospace



Electronics



Mining



Oil & Gas



Construction



**REAL-TIME
VISIBILITY**



**IMPROVED
EFFICIENCY**



**ENHANCED
SAFETY**



**SMARTER
OPERATIONS**

COMPLETE RFID & RTLS SOLUTIONS



RFID Tracking



BLE Tracking



UWB Tracking



Asset Tracking



Forklift RFID



Smart Yard Management



Inventory Visibility



RTLS Solutions

 Real-time Visibility. Better Decisions. Higher Efficiency.

OUR STRENGTHS



End-to-End Solution Provider
From planning to performance.



Hardware + Software + Integration
One-stop solution for your tracking needs.



Custom Dashboard
Real-time insights, real business impact.



ERP/WMS/MES Integration
Seamless integration with your enterprise systems.



Cloud & On-Premise Deployment
Flexible deployment as per your business.



Installation & Commissioning
Professional setup with minimal downtime.



AMC & Technical Support
Reliable support, always by your side.



Experienced Automation Team
Domain expertise. Proven track record.



REAL-TIME
VISIBILITY



IMPROVED
EFFICIENCY



ENHANCED
SAFETY



SMARTER
OPERATIONS

THANK YOU!

For Your Time and Attention

“ We appreciate the opportunity to present our RFID & RTLS solutions. ”



Smart Tracking.
Smarter Operations.



Real-time Visibility.
Better Decisions.



Reliable Solutions.
Proven Results.



Improve Efficiency.
Boost Productivity.



Integrated Solutions
for Every Industry.



Expert Support,
Always With You.



Stronger Partnerships.
Stronger Future.



Innovate Today.
Sustain Tomorrow.

Ready to Transform Your Operations?

Let's Build a Smarter, Connected Future Together.

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