



Smart Sensing Agri Care Inventory Solutions for Assets, Warehouses & Stores.







CREATING SMARTER AGRI LOGISTICS, ENHANCING QUALITY OF PRODUCT. SAVING RESOURCES



Smart Sensing RFID Technology and Management Consultancy

Every day, our work helps business run smarter and improve processes, people's lives by bringing together the diverse range of Smart Sensing digital world. You get the benefit of working with industry experts who have a real understanding of your business.

You get the benefit of working with industry experts who have a real understanding of your business, we make it our business to conquer any logistical challenges you may be facing.

RFeye - Introduction



Successful track record in delivering turnkey RFID Projects from Design to Project Execution Consistent track record of most preferred Smart Sensing RFID company in the region with multiple recognitions

Core Solutions:























Services:

Smart digital technology is a key enabler in any business process to reduce costs, make faster and better decisions, and to increase workforce productivity. Innovation and transformation are often used synonymously, but they are different in the digital world. We evangelize innovation and learning, and help you apply it across your organization.



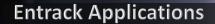




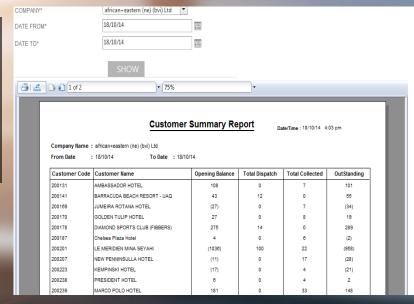




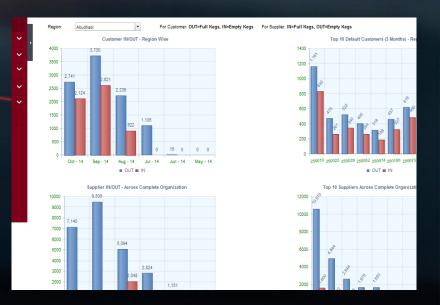
We offer smart pragmatic tools and insights that help resolve business problems, thus enabling organizations to achieve the competitive edge amid digital disruption.

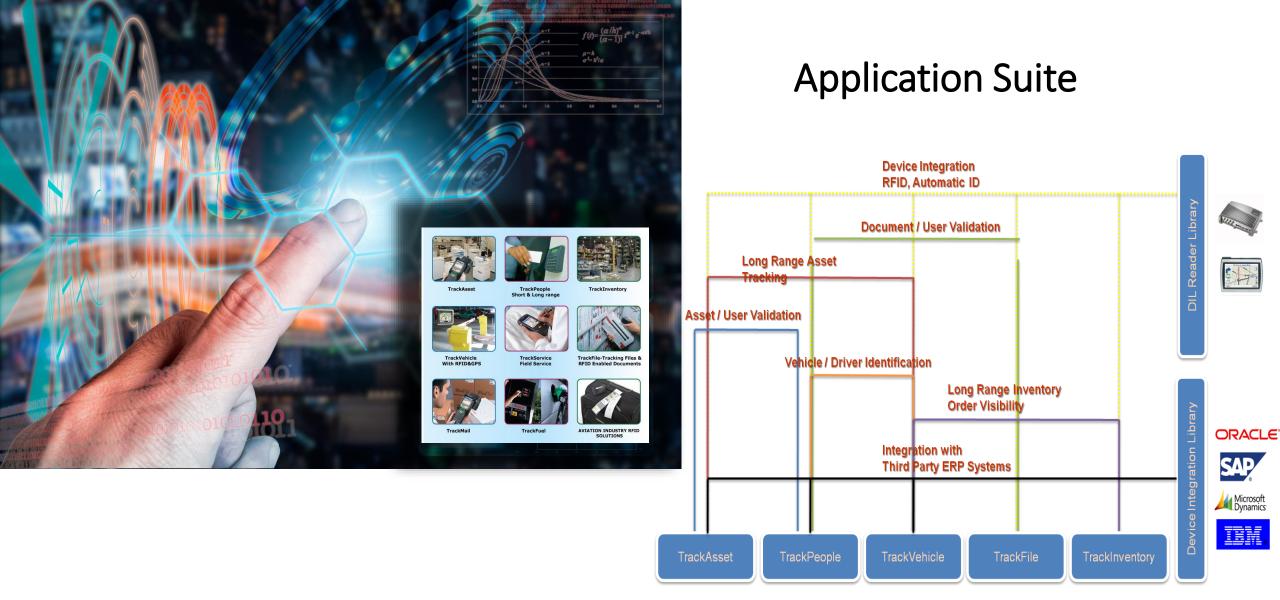


- Supports hybrid technologies (Barcode, Passive & Active RFID, BLE, NFC, GPS)
- Support on multiple mobile devices OS including Windows Mobile 5+, Android, iOS
- Architecture allows for easy extensibility and integration
- Strong data presentation and reporting tool
- Granular security for greater control









Hybrid, Bi-Lingual, Modular Architecture

Client List (to mention a few)









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Why EnTrack Asset?

- EnTrackAsset offers a strong asset tracking platform to build and maintain accurate Master Asset Registry.
- EnTrackAsset enables organizations gain visibility and control over their assets, for effective physical asset management.

Benefits recognized across multiple departments:

- Accounting & Finance: Enable true cost control and audit-proof inventory. Improve asset accounting with customized and ad-hoc reports of asset locations, physical verification, status, and history.
- IT: Support **life cycle management and scale** more efficiently.
- Facilities & Security: Protect critical information on devices. Improve physical security by preventing assets from leaving premises and keeping designated assets out of unauthorized areas
- Operations: Quickly locate critical equipment and achieve real-time physical asset inventory.











Barcode Infrastructure

Applying integrated Smart Sensing RFID Technology

where it matters the most – **Agri Care Inventory Solutions for Assets, Warehouses & Stores.**

Barcode Labels & Readers

Tags

- Multiple label
- Multiple polymer materials for long lasting labels
- Metal mount tags different form factors
- For Metallic assets/Laptops etc.





Handheld Readers

Integrated Mobile Barcode Reader

- Barcode reading or Imaging
- 4G HSPA+, 802.11a/b/g/n, Bluetooth
- IP65 and IP67 per IEC specification

Features

- Windows Embedded Handheld 6.5 Professional
- Compact Handheld and Easy to handle
- High Performance, Multi-Modal hand held
- DRM Support
- 8 ft./2.4 m drops per MILSTD 810G





Passive RFID Infrastructure

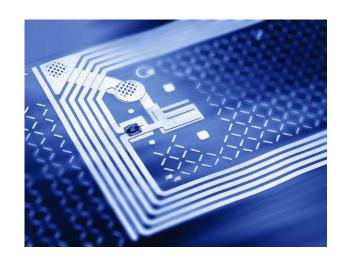
Applying integrated Smart Sensing RFID Technology

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Passive Tags/Labels & Readers

Tags

- Multiple label sizes (2x1, 2x2 inch, etc.)
- Multiple label/ Tag types based on Asset surface and other factors



Handheld Readers

RFID PERFORMANCE

- Standards Supported: EPC Class 1 Gen 2; EPC Gen2 V2
- RFID Engine: Zebra Proprietary Radio Technology
- Fastest Read Rate 600+ tags/sec
- Batch Mode Memory: Store 40,000+ RFID Tags, 500 barcode
- Operating Temp. -10°C to 40°C / 14°F to 104°F
- Storage Temp. -40°C to 70°C / -40°F to 158°F





Passive Tags/Labels & Readers

Fixed Antenna &

Readers

Fixed UHF RFID Readers & Antennas

- Selectable: 4 Bi-static or 4 mono-static antenna ports on one platform
- Enhanced security features (SSH/SSL) for data transmission
- Protocol Support LLRP, Bytestream
- Tag Protocol EPC Gen2, ISO18000-6C
- Extended Gen 2 memory support
- EN 302-208 v1.2, RoHS compliant
- External Interfaces 10/100 Base T Ethernet, RS232 (console), USB Host Type A, USB Client
 Type B, Digital 12 GPI/O
- OS Windows CE 5.0

Features

- Enterprise-Class
- Performance Delivers high-performance RFID data capture and communication in dense reader environments
- Construction Aluminum Die Cast
- Manageability SNMP, Air-beam
- Application Hosting







Real-time Tracking with BLE

Applying integrated Smart Sensing RFID Technology where it matters the most – Agri Care Inventory Solutions for Assets, Warehouses & Stores.

Solution Components

BLE Readers

- For Real-time zone based visibility
- Deployment of BLE fixed readers at Entry/ Exit points
- Critical zones identified



Mobile Reader Application

- Check in/out
- Stock taking & location





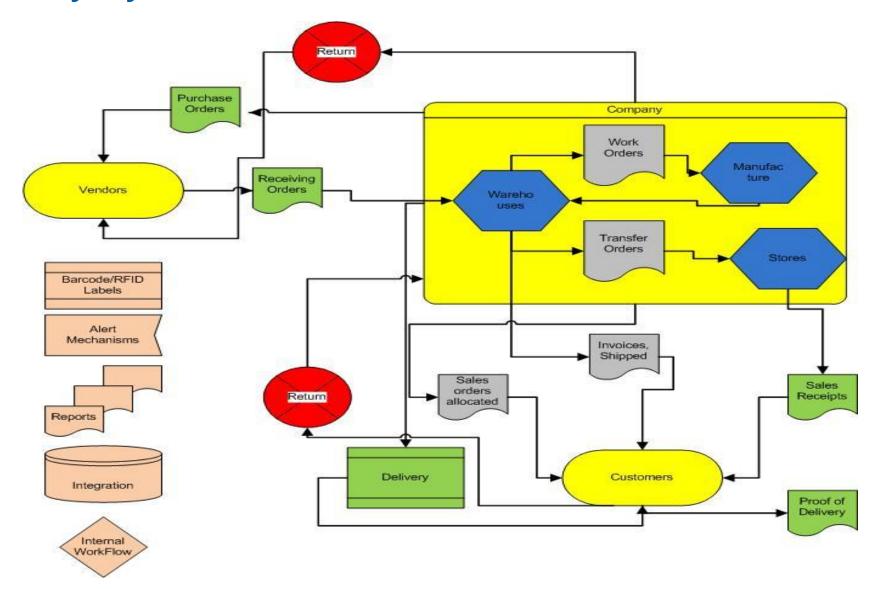
Tags







Inventory System - Workflow



TrackInventory in Warehouse & Stores

Warehouse Management

Combination of fixed and hand held terminals along with printer are placed at the warehouse area to tag the items upon its arrival in the warehouse. With put-away and transfer management in place, warehouse inventory management and intra item transfers are managed effectively



Handheld Readers

Retailers tag certain categories of items with RFID, Barcode or Serial Number and then the store associates walk around and take inventory using handheld readers.



Exit Monitoring – Adding Loss Prevention

Fixed readers are installed at all entrances/exits, including the dock doors and the doors between the back store and the sales floor. The readers detect when items enter or leave the store, and when transition happens between the back and the front of the store.

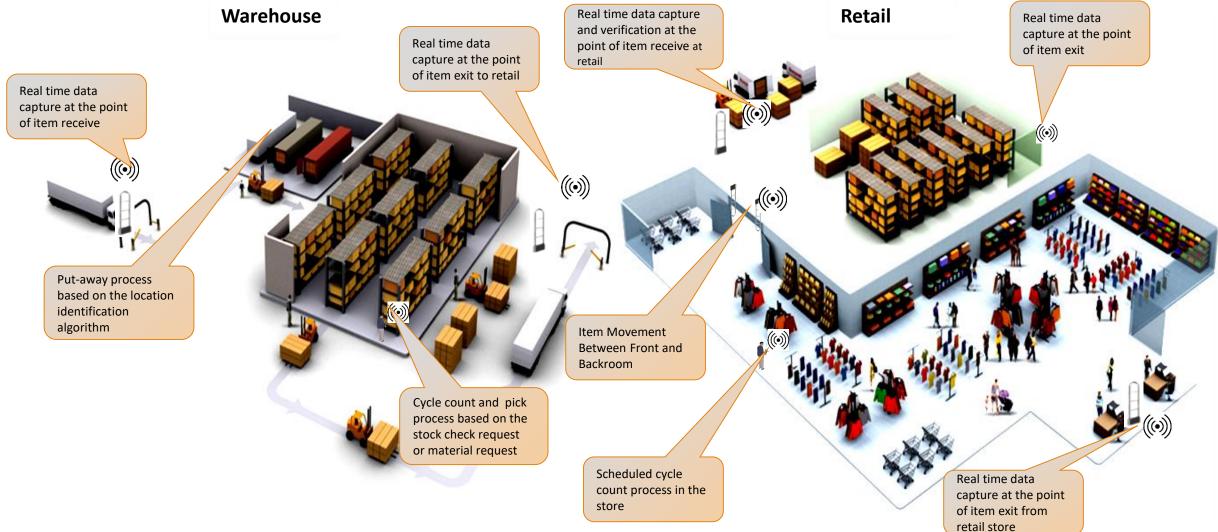


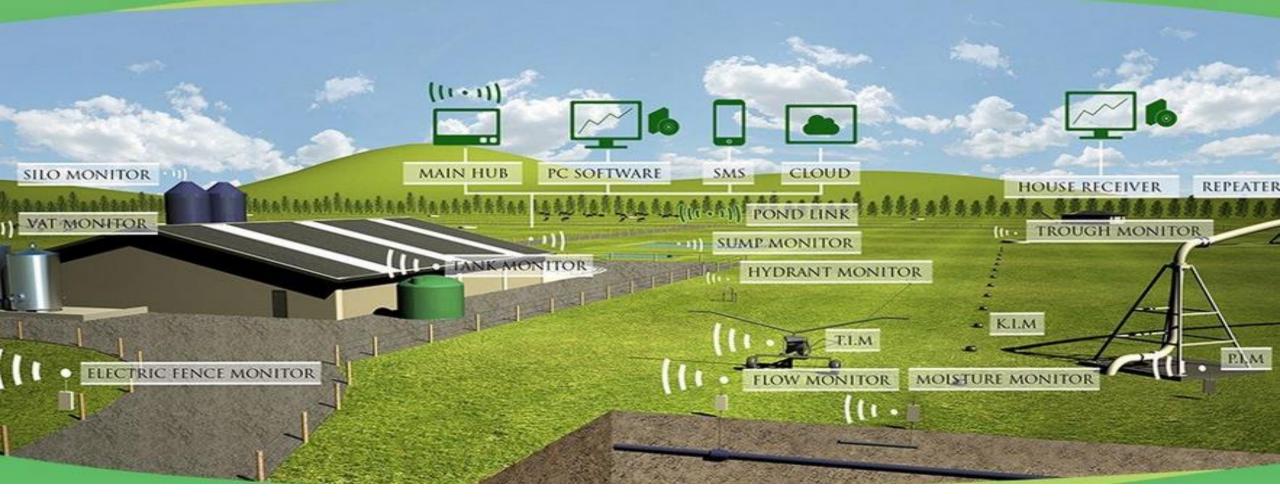
Whole Store/Area Illumination

Readers are optionally be placed throughout the whole store, often mounted in the ceiling and continuously read the items in the store. This can not only tell you that an item is in the store, but where in the store each item is located. This has the potential for extremely precise locating and counting, but at a high cost.



Warehouse & Retail Tracking System





ENTRACK INVENTORY

SOLUTION COMPONENTS - Warehouse - Operations - Stores - MIS Dashboard

Warehouse Module

- Setting up Master Data
- Hardware Definition and Mapping
- Purchase Order Data Import
- Unique ID Generation
- PO Scanning and Verification
- Item Put Away Process
- Periodic Cycle Count
- Transfer Order Data Import
- Item Picking Process
- Item Verification at W/H Exit

Print/Date Presentation Component

- Label Print
- Label Reprint
- On Hand Report
- Cycle Count Reporting
- Purchase/Transfer Order Details
- Verification Report
- On-hand inventory dashboard

Store Module

- Item Receive at the Entrance
- RFID Fixed Portal Item
 Verification (optional)
- Internal Item Transfer Front room and back room
- Periodic Cycle Count (Stock Check)
- Item Search
- Data Export to third party system



RFID Enabled Dock Door



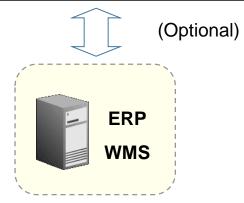
RFID Enabled HHT



Alert Generation Peripherals

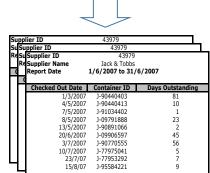


ENTRACKINVENTORY





Visibility Dashboards



Reports

SOLUTION HARDWARE & PERIPHERAL COMPONENTS

RFID Printer



Used for encoding and printing RFID tags which will be used to stick on to the apparels. The input data to the printer is fed from EnTrackInventory application. With thermal transfer option, this generally uses RFID labels and thermal ribbons as consumables for print purpose.

RFID Fixed Readers



Fixed readers can be placed at different location based on the tracking accuracy to be achieved. Normally, the reader and antennas will be placed at the entry and exit gates. It may also be placed at locations which demands automated RFID readings.

RFID Hand Held Terminals



RFID HHTs will be used in warehouses and stores for all major processes which includes receive, put-away, picking, cycle count and item search. Mobile application will be running on this devices which helps in performing the processes.

Wi-Fi Setup and Optional Alarms



The infrastructure might optionally require the Wi-Fi/3G set up at different locations to enable real time connectivity of HHT's to central server. Optional alarm can be deployed to alert if any unauthorized movement happens through the gates.

THANK YOU



Smart Sensing RFID Technology & Management Consulting (Marketing & Supply Chain)

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