

# EnTrackLinen: Passive RFID based Hybrid Asset Tracking system



# Introduction

RFeye strategic partner TrackIT a part of Encore group was incorporated in August 2004 in Dubai.

14th Successful year in operation providing focused End to End Visibility Auto ID solutions to Corporate clients.

Successful track record in delivering turnkey Projects from Design to Project Execution.

First and Largest RFID based tracking solution deployment in the region.

Rich Hospitality experience in delivering enterprise asset tracking projects.

Market leader in Aviation industry for RFID based deployments for Customs.



# Entrack Applications

- 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

COMPANY\* african+ eastern (ne) (bv) Ltd

DATE FROM\* 18/10/14

DATE TO\* 18/10/14

SHOW

1 of 2 75%

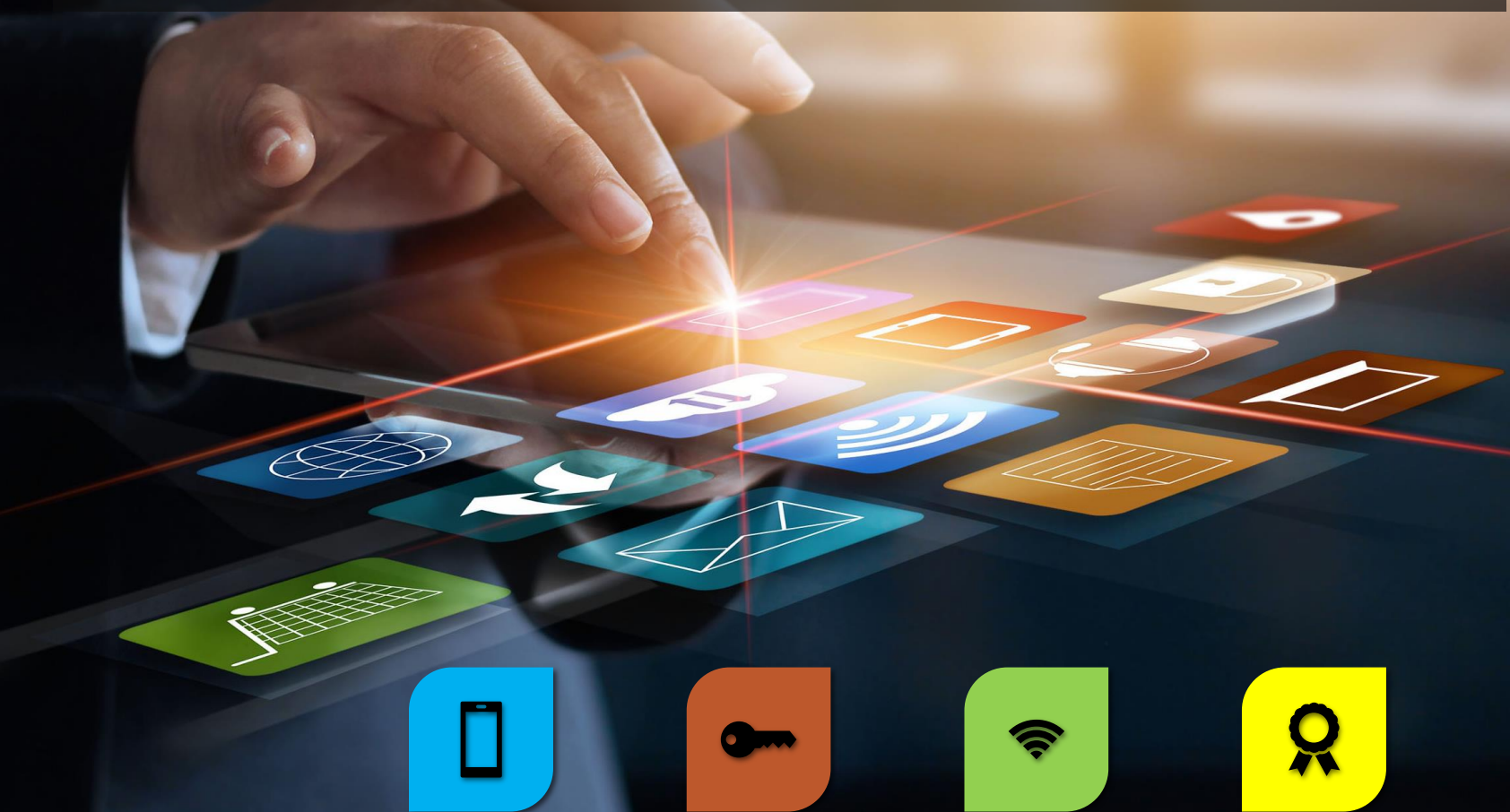
### Customer Summary Report

Date/Time : 18/10/14 4:03 pm

Company Name : african+eastern (ne) (bv) Ltd

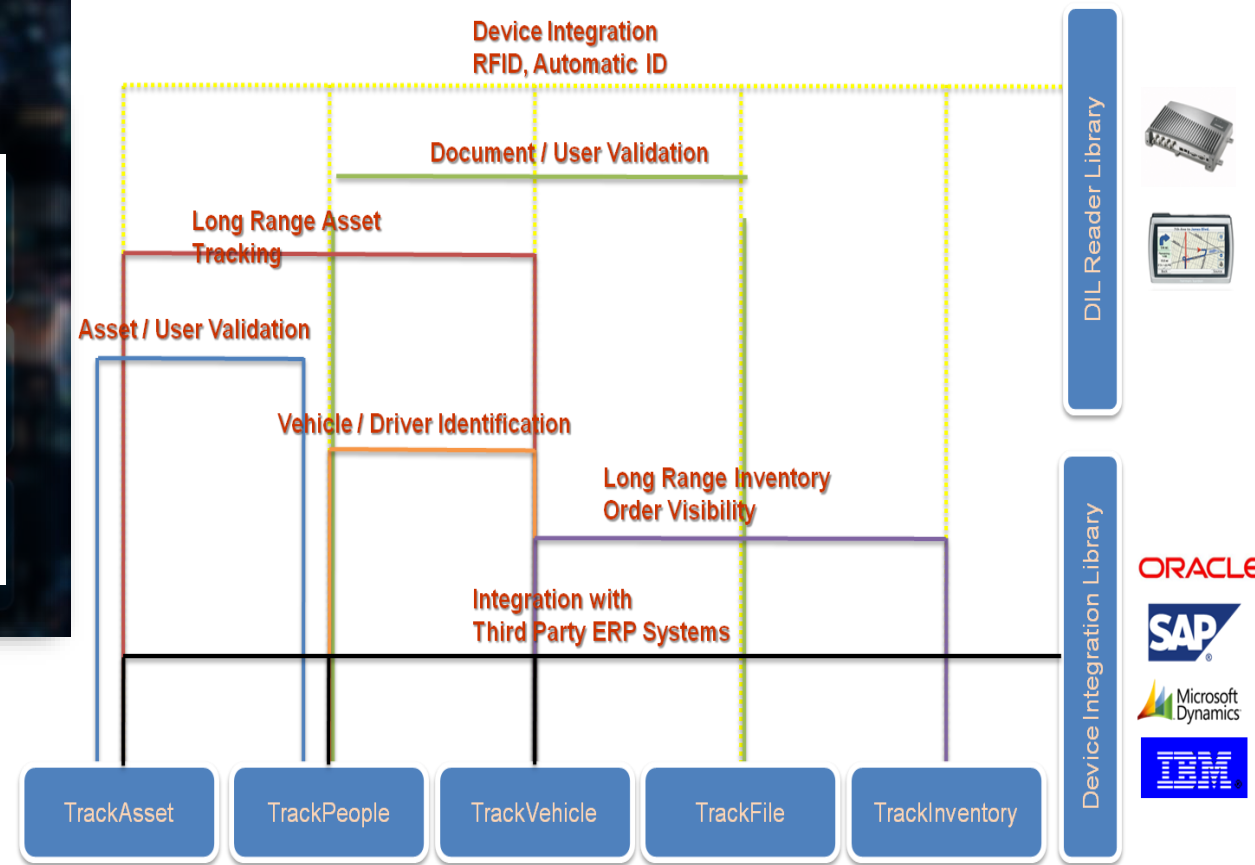
From Date : 18/10/14 To Date : 18/10/14

Customer Code	Customer Name	Opening Balance	Total Dispatch	Total Collected	Outstanding
200131	AMBASSADOR HOTEL	108	0	7	101
200141	BARRACUDA BEACH RESORT - UAQ	43	12	0	55
200169	JUMEIRA ROTANA HOTEL	(27)	0	7	(34)
200170	GOLDEN TULIP HOTEL	27	0	8	19
200178	DIAMOND SPORTS CLUB (FIBBERS)	275	14	0	289
200187	Chelsea Plaza Hotel	4	0	6	(2)
200201	LE MERIDIEN MINA SEYAH	(1036)	100	22	(958)
200207	NEW PENNINSULLA HOTEL	(11)	0	17	(28)
200223	KEMPINSKI HOTEL	(17)	0	4	(21)
200238	PRESIDENT HOTEL	6	0	4	2
200239	MARCO POLO HOTEL	181	0	33	148





# Application Suite



Hybrid, Bi-Lingual, Modular Architecture

# 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**.



# EnTrackAsset Tracking/ Tagging Client by Industry (not an exhaustive list)



## Banking

- ADIB
- Bank Muscat
- Al Hilal Bank
- Al Khalij Bank
- GTB, Nigeria



## Government

- Abu Dhabi Accountability Authority
- Sharjah Cultural Authority
- Tawteen Council
- DAFZA Freezone Authority
- DSOA
- KHDA



## Education

- Weil Cornell Medical College
- GEMS Education
- Dr. YSR Horticultural University
- JNTUA



## Hospitality

- Westin Hotel, Abu Dhabi
- Anantara Hotel & Resort, Abu Dhabi
- Jannah Hotel
- Saadiyat Beach Club
- Abu Dhabi Golf Club
- TAJ Dubai
- Rosewood Abu Dhabi



## Media

- twoufour54
- Abu Dhabi Media (ADM)



## Telecommunication

- VIVA
- Ooredoo
- Du

# Passive Tags/Labels & Readers

## Tags

- Passive RFID Linen Tag
- Max Temp. 220C
- Warranty – 200 wash cycle or 3 years
- hydraulic water press extractor compatible



## Handheld Readers

### RFID Handheld

- 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



### USB Based Desktop Reader



# RFID Fixed Reader setup for Automated Reading

## 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*





# EnTrackAsset Features

## Registration

- Item Master
  - Tag assignment to Item
  - New Item creation
  - Item association to employee/ department
- Department Master
- Employee Master
  - Employee data import (Name, code and department)
  - New Employee definition
- Third-party Registration (Vendor)

## Transaction

- Issue Date (Item issue date)
- Issue/ Return
  - Internal company
  - External vendor
    - Return date

## Notification

- Material pending collection
- Material pending delivery
- Unseen item over date range

## Reports

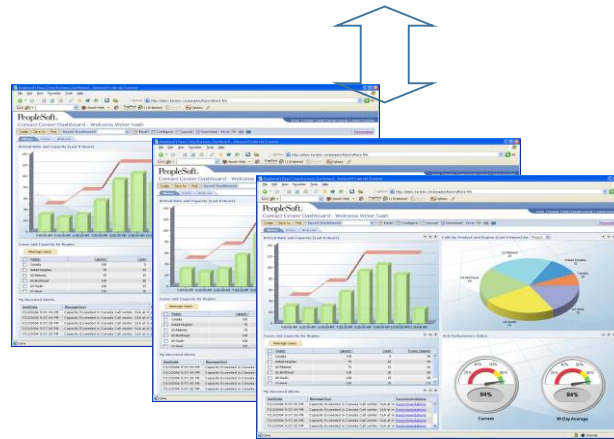
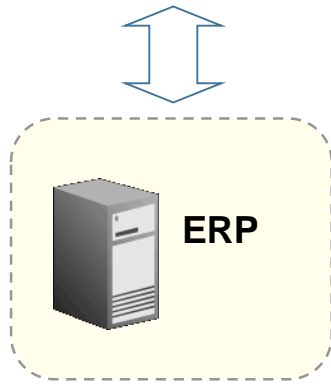
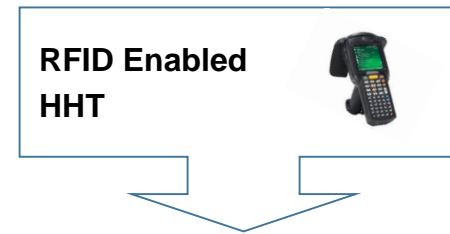
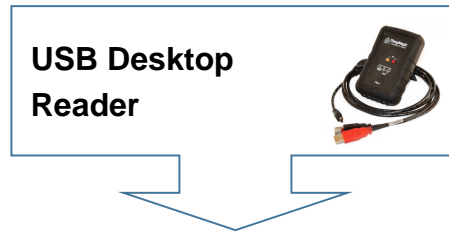
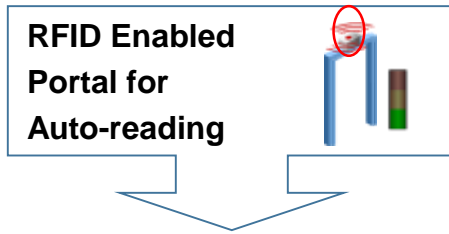
- Issue/ Return report
- Internal Report
- Third-party report
- Monthly Department Report

# Application/ Association Highlights

- ✓ Web based server
  - ✓ User Profiles & Modular Access rights
  - ✓ Dashboard and Notification Home page
  - ✓ Business Rules & alerts
  - ✓ Excel upload
  - ✓ Easy Check In and Check Out
  - ✓ Custom reports
- 
- ✓ Rich Hospitality experience
  - ✓ Flexible Team
  - ✓ Local support
  - ✓ Standard Hardware Products



# System Infrastructure



**Visibility Dashboards**

Reports

Supplier ID	43979	
Supplier ID	43979	
Supplier Name	Jack & Tobbs	
Report Date	1/6/2007 to 31/6/2007	
Checked Out Date	Container ID	Days Outstanding
1/3/2007	J-90440403	81
4/5/2007	J-90440413	10
7/5/2007	J-91034402	1
8/5/2007	J-09791888	23
13/5/2007	J-90891066	2
20/6/2007	J-09906597	45
3/7/2007	J-90770555	56
10/7/2007	J-77975041	5
23/7/07	J-77953292	7
15/8/07	J-95584221	9

# WORLD CLASS TRACKING SOLUTIONS



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

Vasih Khan

Chief Executive Officer

[vasih@rfeyesolutions.com](mailto:vasih@rfeyesolutions.com)  
[www.rfeyesolutions.com](http://www.rfeyesolutions.com)

+971 50 940 0786 (AE)  
+91 91 6778 0000 (IN)

RFeye Solutions LLC FZE  
Shams Sharjah Media City  
United Arab Emirates

