M-OnTrack: The solution Architecture

Supplier

Tracking for:
- Number of Components Produced
- Number of Components Shipped

Manufacturing Plant

Tracking for:
- Number of Components Received

Supplier Shop Floor

- Finished Component & activated RFID packed in the Carton Box

RFID Reader

Managed Services

- Web Application & Database hosted in Cloud

Component Produced

Component Shipped

Goods in Transit

Goods IN

[ Implemented as part of Phase 1A, with a Supplier ]

[ Being implemented in Customer Plant ]

Assembly Line

Update Component Stock Register

Finished Product (Indicative)
M-On Track: Real-time material tracking

Phase 1: Achievements & Results

- Established proof of concept of the solution
- RFID assigned to each component is programmed with Part Number and Serial Number of the specific component for unique identification.
- Enabled Supplier with ability to Program RFID tags for components produced at their facility.
- Access to Supplier Inventory information only to manufacturer
- Multiple parameters are being tracked, such as:
  - Count of Finished Goods for each Part / Component
  - Shipment Status – By Supplier, Part Number, Batch, Date & Time
  - List of Parts under transit
- Application designed to seamlessly support access through Computer or Tablet device from anywhere in the world.
- User Authentication, Access levels and Security features implemented

Real-time material tracking

Automated Dashboard

Cost Savings from OPEX
(~$90K saving / worker)

Cloud based Application

One window supplier data