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FalconEAM or Computerized Maintenance Management System (**CMMS**) is a flexible enterprise-grade asset management system, that provides a clear view of an organization’s asset infrastructure, its availability, health, productivity, maintenance history and maintenance plans.

FalconEAM improves asset performance by eliminating unplanned downtime and extends the useful life of capital equipment, thus improving return on assets. It facilitates to manage assets at multiple business units/sites and still have one clear view of the entire asset infrastructure within its operating context. It supports geo-tagging and periodic audit updates to validate the asset availability at the location assigned. It supports industry specific customization.

Target Industry

FalconEAM primarily focuses on the Aviation & Defence, Food & Beverage, Government, Healthcare, Manufacturing, Shipping, Fleet, Logistics, Warehouse and Distribution industries.

Key Benefits

- Track and manage asset availability and performance
- Increase asset location traceability with geo-tagging
- Improve asset productivity by efficient maintenance management
- Improve service center (workshop) strategic planning
- Cut down maintenance costs against replacement costs
- Increase in warranty cost recovery
- Reduction in new equipment costs
- Reduction in asset lifecycle maintenance (spares, labor and contractor) costs
- Reduce unplanned downtime
- Reduce parts inventories through better management across multiple sites

Significant Features

✓ Asset Management

- Asset Issue/Transfers
- Asset Withdrawal
- Asset Profiling
- Asset KPI
- Asset Maintenance History

✓ Work Order Management

- Work order creation and management
- Auto generated work order from maintenance plans (PM/CM)
- Auto generated work order from customer help desk system

Location

- Demographic data
- Geo location tagging

Master Maintenance Plan

- Preventive Maintenance (PM)
- Cyclic Maintenance (CM)

Equipment Management

- Equipment issue order management
- Equipment transfer order management
- Equipment withdrawal from outlet

Job Order Management (Service Center)

- Job order creation and management for a given work order
- In-house service center/ contractor assignment
- Addition of spare parts and services
- Release job order based on the planning and scheduling
- Auto Delivery Pick Note (DPN) generation for spare parts issue

Asset/ Spare Part Issues (Store activities)

- Equipment issue based on auto generated Delivery Pick Note(DPN) from asset issue
- Spare parts issue/ backflushing based on job order

✓ Reporting & Dashboards

Analytics through dashboards with real time KPI's to gauge the overall performance of Asset Management. Other significant reports include

- Equipment performance analysis
- Technician/Labor performance report
- Report subscription services
- Work order summary
- Downtime analysis
- Maintenance completion analysis(PM/CM/RM)
- Maintenance parts needed
- Outlet executive summary (with Return of Investment from sales)
- Trends analysis
- And any other custom reports

✓ Additional Features

Integration with Line-of-Business Application (ERP)

- Integrators to pull following data from ERP to WMS Supplier, Outlet, Contractor, Mater data, Purchase Order

Advanced Tracking

- RFID based tracking
- GPS based tracking

✓ 3rd Party Integration

- Integrates Thermal probes in the freezers, capture temperature data from probes at intervals, alerts operators on limit variations
- Integrates GPS services and captures delivery vehicle movements for reporting

Equipment Audit & Track System

Equipment will be audited and recorded with the serial no. and geo-location using a smart phone with a camera and GPS equipped.

- Records current position of the equipment with a picture
- Alerts user if the position is altered
- Updates audit information to server
- Real-time mapping of audited equipment on map with indicators of missing equipment at outlets

✓ Implementation Strategies

- On-Premise
- Cloud hosting

✓ Administration Module

- Maintains application global settings and key data maintenance
- Configure application modules and their connectivity
- System security management

✓ Training

- System overview for all the stakeholders
- Application installation and configuration(IT team) at a pre-scheduled date and time at the customer premise
- User friendly interactive operations help manual Installation and maintenance guide

✓ Support

- Customer help desk
- Call support (VoIP / Phone Line), Email support, On-site support

✓ Implementation Infrastructure

- Workstations or tablets with standard web browsers, Windows Servers for application hosting, MS SQL Server for database, Active Directory (AD) for resource authentication and authorization, Windows Communication Foundation (WCF) based SOA and Windows CE/Mobile based Handheld Scanners, Industry Standard ZPL support barcode / RF printers