



# **MOBILE EAM EQUIPMENT MAINTENANCE**

## Overview

Maintenance technicians are often on the move and need quick access to information about assets and equipment repairs, but carrying around a clipboard with a stack of paper work orders is no longer a viable option. Boost productivity and fully utilize the resources dedicated to asset management by implementing barcode and/or Radio Frequency Identification (RFID) technology to mobilize your Enterprise Asset Management (EAM) software.

TransitionWorks offers automated data collection capabilities to extend the functionality of your EAM (or computerized maintenance management system (CMMS)) systems, providing greater visibility of your assets and the maintenance of those assets, while reducing data entry time and errors.

## TransitionWorks Asset Visibility with Equipment Maintenance

TransitionWorks' Asset Visibility with Equipment Maintenance software helps track a multitude of asset types, and through improved asset management and scheduled asset maintenance, you can improve your top and bottom line performance. The software solution captures the tag data from radio frequency identification tags or barcodes automating the linkage between purchase orders, assets, work orders, parts, and maintenance personnel while seamlessly updating the EAM/CMMS system via WiFi or cellular connectivity using a Windows mobile device, smartphone, or tablet.

This solution gives businesses a view in real time of the usage of their corporate assets, including tooling on the production line, totes in the distribution center, equipment in the field, assets assigned by location, or human capital. This valuable information helps businesses improve labor efficiencies--reducing the time employees waste tracking down equipment and parts. Additionally, it reduces capital requirements through more efficient usage of current assets.



## Flexible with Existing Systems

In addition to EAM/CMMS, Asset Visibility with Equipment Maintenance can be integrated with corporate fixed asset, maintenance and tool crib systems as well as enterprise resource planning, warehouse management, manufacturing execution and quality control systems. We support multiple data message formats which allows us to rapidly and **flexibly integrate** with back office systems, IP addressable cameras, HID access control, entrance gates, RFID portals, various data collection hardware scanners, printers, and other peripherals, so you can expand on the solution as/when you need to. The software simplifies the infrastructure required to enter, capture and cleanse data and updates all pertinent systems.

In addition, Asset Visibility can notify the user of activities and events defined by the user through e-mail. "Role Based" dashboards enable managers and supervisors to monitor and manage assets while on the go.

ACTIVITY	Process enhanced with TWS
Work Order Reporting	Communicate task details remotely; enable up-to-date work order management
Parts Inventory Management	Issue and track parts and supplies as they are used
Preventative Maintenance (PM)	Scanning equipment and maintaining history verifies the PM was actually performed and by which technician
Corrective Maintenance	Assignment of emergency repairs; review asset's repair history at worksite
Inspection	Perform rounds, readings and inspections; record failure codes; enter comments during inspection
Track Job Time	Monitor technicians activities since system records the scanned locations, equipment, parts retrieval throughout the day
Update EAM and other back office systems	Systems of record are updated automatically without manually entering data or completing paperwork
Asset Audits	Physical or Cycle counts can be performed by simply scanning and validating against back office systems
Compliance	Documented activities assist with OSHA and SOX requirements

## **Business Payback**

The most significant benefits are derived from increased productivity and the ability to collect more data and better data, faster. Either directly or indirectly, mobilizing your EAM system can lower budgets, enable you to plan more effectively for the future, and increase your bottom line.

- Reduce/eliminate theft of high value assets
- Reduce/eliminate need to take manual inventory of assets and parts
- Reduce labor and frustration in locating assets
- Reduce service and maintenance of assets
- Reduce down-time related to equipment failure as a result of increased productivity, enabling more preventative and corrective maintenance
- Minimize paperwork and data entry
- Minimize time at the desk, maximizing time in the field
- Increase asset maintenance personnel's productivity
- Increased productivity can be used to reduce or eliminate costly overtime
- The life of an asset can be extended as a result of more timely preventative maintenance
- Increased speed of asset and parts visibility with up-to-date information
- Streamline the flow of data throughout various systems of record
- Meet OSHA and SOX requirements

## **Features**

- Multiple users, simultaneous access
- Transaction History by User and Asset
- Parent/Child relationship location hierarchy
- Graphical Map option to display asset location
- Assign Assets to person/dept/location
- Track Asset maintenance and history
- Unplanned maintenance can be created and scheduled
- Track parts used and inventory availability with minimum re-order limits to reduce out of stock situations
- Areas of operation can be assigned to individual users or group of users
- Reports are displayed in an HTML format that allow for printing on demand
- Export data to Excel (.csv) for further manipulation

<b>ASSET VISIBILITY by TransitionWorks Software</b>	<b>Fixed Asset Tracker</b>	<b>Portal Tracker</b>	<b>Zone Tracker</b>	<b>Entrance Control</b>	<b>Real-Time Location Tracker</b>
<b>Tracking Capabilities</b>					
-Assign Tag to Asset	✓	✓	✓	✓	✓
-Check-in/out	✓	✓	✓		
-Physical Audit - Scan Detect	✓				
-Physical Audit - Auto Detect	Advanced only	✓	✓		✓
-Detect on Entrance/Exit	Advanced only	✓		✓	✓
-Detect Presence in Zone	Advanced only		✓	✓	✓
-Detect Tag Tampering					✓
-Detect Low Tag Battery					✓
-Locate within Zone in real-time					✓
-Track movement within Zone					✓
<b>Event Alerts</b>					
- send emails or texts	✓	✓	✓	✓	✓
- trigger other systems				✓	✓
(customized alerts available)				✓	✓
<b>Webservice Integration with systems</b>					
- Accounting Fixed Assets	✓	✓	✓		
- Payment Systems				✓	
- Gates/Tool Cribs				✓	
- Camera/Video				✓	✓
- Sensors/Alarms			✓	✓	✓
<b>Reporting (exportable to Excel)</b>					
- Standard (7 Reports)	✓	✓	✓	✓	✓
- Custom			✓	✓	✓
<b>Other Features</b>					
- Standard Label	✓	✓	✓	✓	✓
- Customizable Label	✓	✓	✓	✓	✓
- User Authentication	✓	✓	✓	✓	✓
- Page Level Permissions	✓	✓	✓	✓	✓
- Easy Asset Info Import	✓	✓	✓	✓	✓
- Customizable Fields	✓	✓	✓	✓	✓
- Use of Maps/Floor plans	✓	✓	✓		✓
- Site License Version	✓	✓	✓	✓	✓
- On-demand Version	✓				
<b>Technology</b>					
-Tags	Barcode / Passive	UHF	Active	UHF, HF, LF	UWB
-Operating System	Minimum Windows 2000/XP/2003				
-Database	ODBC Compliant Database				

## TransitionWorks for High Availability

TransitionWorks recognizes that tracked data is mission critical to business and must be collected quickly, reliably and accurately. Asset Visibility can be configured with High Availability for 24x7 operations. The system can be installed to automatically balance the work load during heavy usage periods and to function during fail-over scenarios such as hardware and system failures, providing you with the information you need around the clock.

## About TransitionWorks Software

TransitionWorks Software delivers innovative solutions that allow warehouse, field service, and sales operations to capture critical information, improve visibility of assets, processes and orders, and interact with their company's ERP system in real-time wherever they are. Using the latest smartphone, RFID, PLC, biometric, barcode and cloud technologies, TransitionWorks' platform is transforming hundreds of customer operations in over 20 countries across the globe. By radically simplifying processes and then putting the latest information in the hands of front-line personnel at all times, its customers make better decisions, reduce inventory levels, lower operating costs and generate higher returns.

## TransitionWorks Software Solutions

- Inventory Visibility Express
- Sales Visibility (Browser Based)
- TouchERP for Sales (Mobile App)
- Asset Visibility
- Equipment Maintenance
- Custom Process Solutions
- Entrance Control
- Facility Evacuation
- Integration Capabilities – BPCS, SAP, Oracle, JDE, Legacy, etc.

For more information  
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