

When you dispatch a batch of cylinders, ask yourself IS IT A TRUCKLOAD OF PROFITS OR LOSSES?

Manual data entry or quantity based delivery leads to losses. This is not rocket science, considering that the pitfalls of manual processes are so obvious. Yet, do you find yourself at a loss to know what to do?



Visit Us : www.trakaid.com
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Know Where Your Asset Is!

Trakaid asset tracking solutions helps minimize costs by preventing unnecessary losses and slow movement. For data acquisition, most solutions use auto-identification technology to scan an asset.

Asset management programs can help streamline multiple functions into one central resource accessible anywhere. Despite the upfront cost of asset management systems, businesses will see the payback quickly, given the time and energy saved by better asset management and automatic data entry.



Background

Manual data entry leaves a lot of room for error, and reading, writing, and entering asset data take up a lot of productive time. Today, manpower is not even available to do this tedious, repetitive, error-prone work. Mistakes arise when numerous team members throughout the company input and review the asset data. The manual data entry process is repeated multiple times during receiving, filling, issuing and tracking.

As assets grow from hundreds to thousands, manual entry errors grow exponentially; up to 20% of the entries are incorrect. This creates a chain reaction wherein neither you nor your customer trusts your data. These errors lead to the loss of the asset, low productivity, and significant losses to the bottom line. Most errors occur during the “last mile”, i.e., delivering the wrong asset to the wrong customer.

No actionable data is available to the logistics team at the point of action - test due, asset recall, and customer outstanding. If physical damage data is collected, no mechanism is in place to transmit it automatically to operations at the plant to embargo assets for service. Ultimately, the lack of up-to-date data results in the inability to quickly locate and access an asset’s operational status when it is most needed.



ASSET TRACKING WITH TRAKAID

The Trakaid Asset Tracking Solution is a cloud-hosted comprehensive asset tracking and logistics solution and covers all aspects of the business, including receipt, issue, delivery, pickup and service. The solution helps the enterprise manage its multiple locations and view real-time data from anywhere at any time for all critical assets and their impact on associated business processes. In addition, the solution offers rich, dynamic online reports complemented with rule-based alerts and notifications that help manage assets proactively and apply timely controls.

To ensure data integrity, the solution uses:

- the latest web, mobile, and database technologies
- agile, modular, and scalable architecture
- data validation and processes in compliance with good manufacturing practices; and information governance.

The solution automates data acquisition and uses the latest Auto-ID and RFID technology, eliminating the errors associated with manual processing. Data is acquired when the cylinder passes in front of a fixed or handheld reader. As a result, the solution provides 100 per cent accuracy in data, reduces manual effort, and lowers labour costs.

The solution empowers the user with intelligent, actionable data at the point of use. The latest mobile technology is integrated with RFID readers to bring the process validation into the hands of the user, whether it's managing manufacturing processes or logistics functions of pickup or delivery.

The mobile RFID reader reads the RFID tags associated with the asset, and the data is validated and processed before aggregating the information about an asset's location and status.

■ CHALLENGES WITH EXISTING SYSTEMS



Asset identification issues lead to increased operation time and lost productivity.



Data acquisition errors exist due to manual data entry.



Cumulative manual data errors make the data useless.



Transposition issues and errors related to missing, illegible or unreadable data.



Loss of assets from improper identification directly negates the bottom line.



Inefficient and inaccurate tracking methods result in the underutilisation of assets.



Reconciling asset holdings takes a lot of non-productive time.



Out-of-certification assets impact the safety of your staff and your customer.



Inability to isolate assets due to scheduled maintenance and testing.



Difficult to identify clear asset ownership between company and customer.



Inability to attribute asset damage to customers - when and where.



Asset audits and periodic censuses are time-consuming, complex, and do not help locate individual assets.



TRAKAID ASSET TRACKING SOLUTION: APPLICATION HIGHLIGHTS



Subscription-based low-cost cloud-hosted solution offered as SaaS (Software as a Service).



Use the internet to work from anywhere over wifi/mobile network from any device/ Android smartphone.



Built-in multi-level data security: user authentication, user role, secure infrastructure, restricted server access, solution access only via solution login URL.



Users may select a predefined language for interaction in their user profile. The default language is American English.



Information governance guidelines aid in data integrity and prevent backdated entries.



Hundreds of process validation controls implemented to eliminate data errors.



Usability features and alerts for assets out of certification, under quarantine, or rendered non-usable.



Use of auto-correction algorithms to correct asset status and location.



Access to online operational, business, and analytical reports in predefined language.



Built-in fast and accurate automated asset multiple data acquisition methods using Auto-ID technology like RFID.



RFID enables automatic data acquisition with 100 per cent accuracy when the asset passes in front of a fixed or a handheld reader at a fraction of the cost compared to the manual effort.



Only your team may access your data. The data is fully secured using multiple-level security and role-based access. In addition, the data transfer over the internet is fully encrypted



Users can access intelligent, actionable data using the latest mobile technology integrated with Auto-ID readers for managing manufacturing processes or logistics functions of pickup or delivery. The mobile reader reads the Auto-ID tags associated with the asset, and the same is validated and processed before aggregating the information about the asset's location and status.

SOLUTION BENEFITS



Do More with Less

The total cost of operation is reduced by 30% with hundreds of built-in process controls to prevent process errors.



Mobile Sensor and Data Acquisition

Collect data using innovative Auto-ID (RFID) technology which automates data capture and makes it more efficient, accurate and timely. Give a unique identity to your asset.



Worldwide Support

Receive support no matter where you do business.



Standardised Processes Eliminate Extensive Training

Robust, intuitive, and easy-to-execute streamlined processes with in-built artificial intelligence, good manufacturing practices and information governance.



Accuracy and Cost Efficiency

Trust your data and eliminate more than 20% of errors during manual data entry. Obtain additional cost savings by limiting asset loss, saving time looking for assets, and optimising the use of assets.



Scalability

Solution offers flexibility and scalability as your company grows. Assets grow from hundreds to thousands, and more and more persons are involved in managing assets.



User-friendly

An intuitive, user-friendly mobile interface, simple step-by-step workflow transactions, and complete data in your pocket help you make well-informed decisions.



Comprehensive Real-time Reporting

Access timely, accurate data and empower every link in your operations to make informed business decisions. Run, analyse and manage your business - transactional, daily, monthly, annual, historical, and comparative.



Worker and Customer Safety

Identify and schedule service. Deliver the right product to the right customer on time. The processes have built-in safety standards and alerts for regulatory compliance, physical damage, quarantine, and whether the asset is fit for use.



On-time Inventory Check

Initiate an instant physical inventory check on your production floor, warehouse, or customer location. Discrepancies are available



Know Where Your Asset Is & Optimise the Asset Usage with Real-Time Data

Know the GPS location of the asset from the last scan. Take instant action with an online connected handheld scanner that provides actionable data at the point of use. Turnaround time for delivery and pickup is reduced. There is transparent visibility and usability for end-to-end traceability with increased asset utilisation. The focus is: "Rotation! Rotation! Rotation! Rotation!", and on the timely return of assets.

FEATURES HIGHLIGHT



No servers

Servers are not required for cloud hosting and data storage. This allows you to focus on running your business.



Audit

Data is timestamped to ensure a complete data trail.



Signatures

Customers can sign the screen to capture a signature.



Security and access

Allow users to work and see what they need. Data is encrypted over the internet.



Do more with less

A 30 per cent productivity increase transforms business processes.



Validations

To help capture mandatory data at each process step.



Asset information

Know where your assets are 24 x 7; track\trace\view in real-time. Get timely returns and eliminate asset loss.



GPS

GPS location data is captured through scans.



Offline working

If no connection is available, data is stored locally and automatically uploaded.

FEATURES HIGHLIGHT



Reports

Reports created from captured data are emailed or stored.



Locations

Company with multi-location.



Real-time data

Intelligent, actionable data at the point of use.



Email

Alerts/notifications/transactions emailed.



Data backup

30-day data backup thrice daily; access instant downloads and request custom data snapshots.



Proactive action and auto Correction

Real-time intervention to prevent the wrong action.



Enhanced asset tracking

A holistic view of the asset life cycle and transparent event traceability.



Mobile data acquisition

Eliminate paper-based data collection and fully digitise your data.



Work transactions

Create, view, and complete from anywhere.

■ DETAIL FEATURES

Feature	
Solution	
Asset Master	✓
Asset Transactions, Adjustments, History & Change Log - up to the Last 24 calendar months	✓
Asset Use & Product & Last Location	✓
Asset Numbering	✓
Customer-defined delivery document sequential numbering	✓
Maximum Customer Outstanding	✓
Quick and Advanced Search for Asset and Transactions	✓
Company and Customer with Multiple Locations	✓
Company and Distribution Partners	✓
Multi-Location and Location level transaction numbering	✓
Location Info, Contact, Time Zone, Geo Location	✓
Email Transactions & Reports	✓
Multiple Time Zones & Multiple Language Interface	✓
Reference Management	
Manage Reference Data	✓
Asset Attributes	✓
Product	✓
Company and Customer Information and Contacts	✓
Sequential Annual Transaction Batch Numbering and formats	✓
Register Devices	✓
Help Documentation	
User Help document	✓
User Video Guide	✓
Transactions Online	
Asset Search and Saved Searches	✓
Inventory, Add New, Edit Asset Attributes, and Service	✓
Manage Asset Status & Identity	✓
Asset Sale and View History	✓
Customer Indent	✓
Asset Receipt\Delivery Transaction & E-Signature Confirmation	✓
Process Validation and Configure Workflow	✓
Distribution transactions Online	
Company Vehicle Distribution, Logistics, Cash Management	✓
Online Smart Device-Based Distribution Solution	✓
Register Logistic Vehicles	✓
Create Vehicle Run, Start Location, Associate Drivers, Manifest	✓
Location Delivery to Company Distribution Vehicle	✓
Customer Delivery \ Pickup and Share Driver Location	✓
Delivery Receipt Signature Capture at Delivery	✓
Deliver \ pickup to \ from Company Location	✓
End Vehicle Run, Reconcile, deliver remaining assets to end customer location	✓

Dealer Distribution Network	
Set up Distribution Network – Distributors and Dealers based on postal code	✓
View Distributor and Dealer Inventory	✓
Distribute Asset to Distributor	✓
Distributor distributes Asset to Dealer	✓
Consumer\ Customer Interaction	
Online access to Customer	✓
View Purchase Order and Transactions	✓
Email Transactions	✓
Email Outstanding Reports	✓
Consumer Registration	✓
Consumer Request	✓
Assign Consumer request to Dealer	✓
Dealer manifests consumer request fulfillment	✓
Dealer Consumer Vehicle Run for Delivery\Pickup from Consumer	✓
Capture Signature and GPS Location for transaction at the point of Delivery	✓
End Dealer Consumer Vehicle Run at Dealer Start Location	✓
User Management	
Create user Credentials	✓
Update Person info, Contact Details, Validate Email and Smartphone	✓
User Access and Role	✓
Associate to Company, Company Location	✓
User Self-Management, change password, Set allowable location\role\interface language	✓
Reporting	
Operations - Transactions & Daily Register	✓
Management	✓
View Reporting History	✓
Interface to Other Systems	
Customer, Asset Master & Use & Transaction - Export in csv format	✓
Custom Export in CSV format	✓
Asset Identity – Data Acquisition Agnostic	
Manual	✓
1D Bar Code or 2D bar Code (GS 128 Bar Code)	✓
QR Code – Permanent Tamperproof	✓
Passive UHF RFID (Global EPC Standard)	✓
Multiple Data-Entry Methods - Combination of All of above	✓
Auto-ID Recognition	
Android-based Smart Phone using Photo Recognition as Bar Code Reader	✓
Android-based Smart Phone with RFID + Bar Code Reader	✓
Android-based Integrated Smart Device with RFID + Bar Code Reader	✓
Fixed UHF Readers IoT platform	✓
Asset Visibility	
Last Known - What, Where, How, When, Who	✓
Available Location	✓

Asset Usability	
Asset Needs Attention - Regulatory Compliance - Quarantine - Physical Damage - Tag Missing - At Different Location	✓
Trakaid Cloud Hosted Total Solution	
Access Solution from Anywhere \ Anytime \ Any Device via broadband Internet	✓
Useable real-time data at the point of use	✓
Hosted on Cloud and Customer needs no local Solution infrastructure	✓
Lower up-front and reduced overall costs	✓
Low Monthly Subscription - Pay as you use	✓
Agile infrastructure scalability as per requirements	✓
Always on Infrastructure	✓
99 percent Uptime	✓
Solution Technology	
Latest Standard Mobile \ Web \ Database \ Notification	✓
Modular Architecture	✓
Security	
Multiple level security	✓
Secure encrypted data transmission over the Internet	✓
Application access through Firewall	✓
User login - unique session - strict password requirement - audit log	✓
Named user log in, 90-day Inactivity or multiple invalid logins; forced password change	✓
Role-based security	✓
Access using a registered device	✓
Database level security	✓
Screen Inactivity locks out	✓
Solution Infrastructure by Customer	
Customer Cloud Hosted Infrastructure	✓
Infrastructure Recommendation	✓
Solution Install	✓
Solution Support	
Solution Support provided via remote VPN\Team Viewer login using broadband internet	✓
Initial Configuration	✓
Help Desk & Technical Support - via Email, Phone, WhatsApp, Zoom, Microsoft Teams	✓
Automatic updates and upgrades	✓
Backup Plan & Implementation	✓
Monitor and Maintain Solution	✓
System Administration	✓
Services & Training	
Initial Data Load	✓
Online Training	✓

Notes:

Trakaid may amend solution features provided that such amendment does not render the system less useable by the Licensee.

Trakaid endeavors to incorporate new features on an ongoing basis. New versions of the Solution may have unique characteristics and are subject to a license fee.