



Industrial gas manufacturing and distribution involves the use of cylinders in a harsh working environment. Companies make a huge investment in this key returnable asset. Typically for every dollar invested in the asset, a company needs to recoup 25% annually of the cost of the cylinder to cover its depreciation, interest, usability, and maintenance. To survive and thrive, full asset utilization and visibility throughout the rotation cycle is critical. Full-proof tracking becomes essential. Cylinder usability- safety and operational status for appropriate use, cylinder visibility – tracking and tracing its availability and location at any given time – All have direct impact on business productivity and the bottom-line.

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 to manage its multiple locations, view real-time data from anywhere at any time for all their critical assets and their impact on associated business processes. The Solution offers rich dynamic on-line reports complemented with rule-based alerts and notifications that helps to manage assets proactively and to apply timely controls.

The Solution uses the latest web, mobile, and database technologies - agile, modular and scalable architecture – data validation and processes in compliance with good manufacturing practice – and Information Governance for ensuring data integrity.

The Solution automates data acquisition and uses the latest AutoID and RFID technology. Data is acquired when the cylinder passes in front of a fixed or a hand-held reader thus eliminating errors associated with manual processing. This provides 100 % accuracy in data, reduces manual effort and lowers the labor costs.

The Solution empowers the user by providing intelligent actionable data at point of use, and uses the latest mobile technology integrated with RFID readers to bring the process validation in the hands of the user at the point of action - 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.

Application Highlights

- Subscription-based low-cost cloud-hosted solution offered as SaaS (Software as a Service)
- Work from anywhere\any time over Wi-Fi\Mobile network from any Device\Android Smart Phone
- Fully secure data with built-in multi-level security: User Authentication, User Role, Secure Infrastructure, Restricted Server Access, Solution Access only via solution login URL
- User may select predefined language for interaction in their user profile. The default Language is American English
- Uses AutoID and RFID technologies for accurate and efficient automated data acquisition
- Information Governance guidelines aid in data integrity and stop backdated entries
- Hundreds of process validation controls implemented to eliminate errors for data accuracy • Inability to isolate assets due for scheduled maintenance and testing.
- Usability features and alerts for assets out of certification, under quarantine, or non-usability
- Auto-correction algorithms correct asset status and locatio
- Operational, business, and analytical on-line reports available in predefined language

Functionality

Specific Feature	Professional and Enterprise
Manage – Online	
Multiple Gas Groups	✓
Multiple Gases	✓
Multiple Gas Product Code	✓
Multiple Cylinder Sizes and Work Pressures	✓
Cylinder - Online	
Cylinder Master	✓
Cylinder Use, Rotation and Outstanding	✓
Cylinder History – Transactions - Adjustments - Service	✓
Cylinder Numbering – Company and System defined	✓
Production – Online	
Filling	✓
Gas Pressure and Source Batch	✓
Cylinder Fill Transaction and Fill Batch	✓
Create Batch Labels	✓
Manage and Control Production by shift	✓
Daily Production Report by Location, Day, Shift, Gas	✓
Transactions – Online	
Cylinder Search	✓
Location Delivery to Customer Vehicle	✓
Location Receipt from Customer Vehicle	✓
Cylinder Inventory, Activate New cylinder	✓
Manage Cylinder Identity	✓
Liquid Gas Sale, Cylinder Sale, Cylinder Service	✓

Solution Type	Professional	Enterprise
Number of Cylinders	Upto 20,000	No Limit
Optional Features		
Offline Production and Inventory	Optional	✓
Offline Location Transaction	Optional	✓
Multi Location and location level transaction numbering	Optional	✓
Multiple Time Zones & Multiple Language Interface	Optional	✓
Company \ Customer with Multiple Location	Optional	✓
Location Info, Contact, Time Zone, Geo Location	Optional	✓
Location Type, Log, Shifts	Optional	✓
Automated Data Capture using Fixed RFID Reader	Optional	Optional
Module Distribution		
Register Logistic Vehicles	Optional	✓
Create Vehicle Run, Start Location, Associate Drivers	Optional	✓
Create Vehicle Manifest	Optional	✓
Location Delivery to Company Distribution Vehicle	Optional	✓
Deliver and Pickup from Customer	Optional	✓
Customer Signature Capture at Delivery	Optional	✓
Deliver to Company Location	Optional	✓
Pickup from Company Location	Optional	✓
Deliver from Company Vehicle to Company Vehicle	Optional	✓
Deliver Remaining Assets to Company Location	Optional	✓
Vehicle Run Reconciliation	Optional	✓
End Vehicle Run	Optional	✓
Offline Smart Phone Based Distribution Solution	Optional	✓

Module Digital Interaction with Customer		
Online access to Customer	Optional	Optional
View Purchase Order and Transactions	Optional	Optional
Email Transactions and Outstanding Reports	Optional	Optional

Notes:

- TSP may amend solution features provided that such amendment does not render the system less useable by the Licensee.
- TSP endeavors to incorporate new features on an ongoing basis. New versions of the Solution may have new features and are subject to a license fee.