



# RFID Enabled Cylinder Tracking Solution

## The Trakaid CyTrack Advantage

Trakaid CyTrack is a web-based tracking system which uses RFID technologies to provide cylinder tracking solutions featuring easy-to-use products, take full advantage of underlying technologies, and provides high value. Trakaid helps simplify asset processing, management and real-time tracking. Its easy-to-use interface meets industry standards and gives companies the ability to view a current status of critical assets and assess their impact on business processes from any location.

Trakaid CyTrack eliminates potential data entry errors by using the latest RFID technology to write, read and enter data for cylinders by machine. Trakaid CyTrack provides accurate information with less effort and lower labor costs. Real-time data allows managers to focus efforts on data analysis versus managing data.

Trakaid CyTrack's design is aimed at collecting and processing data in real-time from RFID tags, sensors and other data sources. Trakaid's technology aggregates information about an asset's location and status, providing customers with a comprehensive real-time view of their asset data through rich dynamic web-based reports and a rule-based alert and notification engine.

### Cylinder Tracking Challenges

- Increased operation time and lost productivity due to cylinder identification issues
- Lower bottom line resulting from improper identification and loss of cylinders
- Cylinders are underutilized due to inefficient and inaccurate tracking methods currently in use
- Determining which cylinders are due for scheduled maintenance and testing is difficult
- Safety of staff and customers is impacted as cylinders are not tested when required
- Human error in reading and writing cylinder numbers, including number transposition errors
- Time inefficiencies reconciling discrepancies in customer's and company's cylinder holding records
- Differentiation between cylinders owned by customer, dealer or company difficult or impossible
- Inability to efficiently identify damage to cylinders and attribute it to specific delivery incident
- Cylinder asset management, audit, and periodic census is time consuming and difficult, resulting in an inability to locate individual cylinders

### Background

Cylinders are used by industrial gas companies to deliver gases. A huge investment, cylinders are physical returnable assets and their management is tied to business productivity. Knowing which cylinders are available, their physical location and their operational status are all critical elements which directly impact the bottom line.

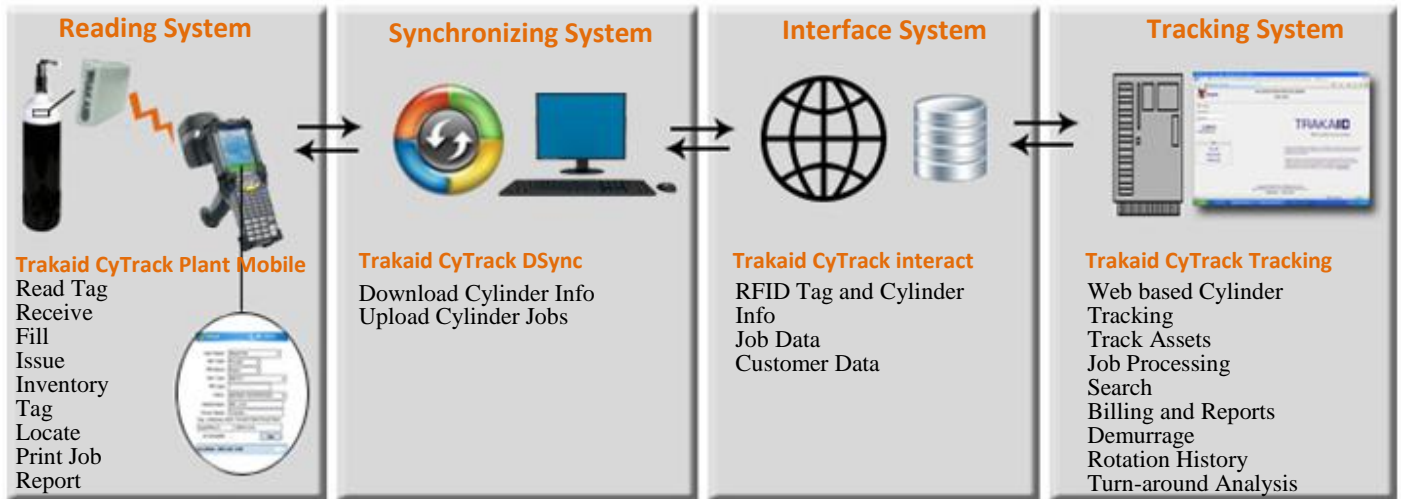
Time is consumed reading and entering cylinder data, a process repeated multiple times throughout the course of receiving, filling, shipping and tracking. Further, approximately five-percent of manual entries are incorrect, which has a negative impact on productivity and results in losses to the bottom line.

Ultimately, this lack of up-to-date data results in the inability to easily locate assets and in the lack of readily available information about an asset's operational status at critical times. The Trakaid CyTrack solution provides an efficient way to keep asset location and status data current. Inbuilt Radio Frequency Identification (RFID) technology adds directly to the bottom line and enhances overall efficiency through improved rotation of returnable assets, overcoming number transcription errors and avoiding the loss of cylinders.

## RFID Technology

Radio Frequency Identification (RFID) employs a reader as a radio signal initiator and a receiver that listens to signals sent from RFID passive tags. Pulling the trigger on the RFID reader causes the tag to be read, providing a unique identification code making it possible to track an asset. RFID tags are small with no moving parts. A unique identification code embedded digitally on a microchip makes the tag extremely resistant to counterfeiting. Microchips are embedded in a protective material housed in a high impact resistant case. Tags have a multi-year lifespan, function well in extreme environments and withstand rough handling.

## CyTrack Technology



## Trakaid CyTrack: Key Features

### Protects Workers and Customers

RFID enabled processes detect cylinders due for testing or marked physically damaged at every step of the process. The process also stops the use of such cylinders and these can then be easily be removed for testing and servicing.

### Accuracy and Cost Efficiency

Innovative use of RFID technology provides with accurate data capture of cylinder movement during receipt, filling, issue, delivery, and pickup. Eliminates manual cylinder number reading, writing, and entering data into tracking system, and associated data entry errors. This automates operational data, simplifies data access, and delivers a huge cost reduction.

### Increased Productivity

Transforms business processes resulting in increased productivity - on average 30% - from receiving to delivery.

### Mobile Sensor and Custom Software

Collects and correlates data from RFID tags and mobile readers and integrates it into company databases.

### Comprehensive Real-Time Reporting

More than forty reports help you run, analyze, and manage your business - Daily, Monthly, Annual, Historical, Comparative, Work Tickets, Billing, Servicing, Testing, and numerous other customized reports.

### Asset History

Track and Trace functionality allows users to view real-time and historical movement and analyze associated reports.

### Customized RFID Tags

RFID tags are designed specifically for industrial gas cylinders.

### Enterprise-Class Architecture

Built with latest Microsoft .Net Technology with architecture that is robust, flexible, and modular.

### Controlled Employee Access

Enables customized and controlled access to employees based on their position.

## Contact Us - Schedule a Demo / Free Consultation

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