



ACSIS Supply Chain Visibility Solution for Asset Traceability

Improve operational planning with visibility into asset location and utilization



Today's supply chain relies heavily on Returnable Transport Items (RTIs); reusable containers, canisters, cylinders, cages, totes, and other similar items. They are vital for an efficient and sustainable supply chain. Tracking these returnable assets across the supply chain, however, has proven to be a challenge for even the most sophisticated companies, with many still relying on manual spreadsheets. As a result, companies lose or misplace as much as 25% of their RTI inventory annually.¹ To compensate, companies carry more RTIs than necessary to ensure product availability for customers and to avoid shortfalls or downtime. This need for excess inventory negatively impacts both productivity and profitability.

ACSIS Enables Greater Asset Visibility and Fleet Management

The ACSIS Supply Chain Visibility (SCV) Solution is a comprehensive cloud-based solution that tracks and manages RTI assets throughout the extended supply chain. The solution enables companies to track and manage individual assets to identify its usage and provide real-time visibility into an asset's location, optimizing utilization and reducing total operating costs.

The ACSIS solution provides the asset fleet management that manufacturers need to track an asset's location and unlimited attributes associated with its usage, servicing, cleaning and storage. Now organizations can improve asset utilization, reduce inventory and shipping costs, and increase operational efficiencies.

\$1.5
Billion

Annual cost to replace stolen or missing reusable shipping containers in the US¹

¹ AMR Research

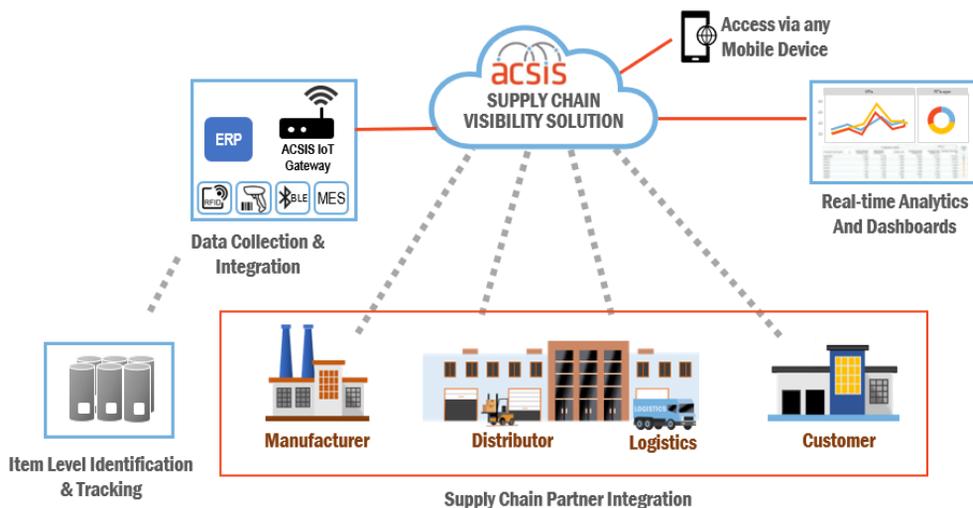
How ACSIS Creates Visibility

The ACSIS Solution provides visibility to a company's RTI assets by scanning a barcode label or RFID tag and registering it into the system. Each item's record contains unlimited contextual data, such as asset usage, maintenance and cleaning records, product stored in the container, and customer and location information. This is particularly important when shipping chemicals or hazardous materials. For instance, if a cylinder is shipped to a customer, the scanned label provides important information on whether the contents are flammable, corrosive, poisonous, or incompatible with other gases. The ACSIS solution gives shipping companies and customers immediate access to important safety information to prevent issues in transit, receiving or inventory storage.

When an RTI is shipped, the label or tag is scanned and attached to a customer order and ship-to location. As it moves through the supply chain, the RTI is scanned at each touchpoint along with any temperature or stability readings, if required. Any deviations will trigger an alert to personnel at the manufacturer and client locations to quarantine material when it arrives. This provides the most efficient option of monitoring returnable assets in real time across multiple locations and in multiple languages. It also tracks mass movements of assets by allowing the nesting of RTIs for shipping and receiving.

Once an RTI is received at its destination, it is scanned and registered into the ACSIS solution to validate delivery date and time. The solution allows the customer to provide as much detail as needed on the RTI's exact location, including the building, department, floor and shelf, if necessary. The solution fully supports GS1's Global Location Number (GLN) and Global Returnable Asset Identifier (GRAI) standards.

The ACSIS Solution integrates and shares data with internal systems and devices as well as external touchpoints – including contract manufacturers, customers, third-party warehouses and repair centers – enabling real-time collaboration for more-informed decision-making.



ACSIS Asset Tracking Provides True Business Benefits

Better Business Planning

The ACSIS Solution provides authorized users the information needed to work cross-functionally to accurately plan production, prepare packaging, fulfill orders and coordinate shipping and logistics to meet demand on a timely basis.

Users can view customer usage, asset performance, and time allocation at each location. By maximizing the use of a fleet of containers, organizations can enhance operational planning while reducing the number of lost containers and corresponding costs to replace them.

Ensure Compliance

Manufacturers and customers have delivery and storage requirements – such as stability, temperature or humidity levels – that need to be met to ensure the safety and quality of the products that are shipped across the supply chain. The ability to monitor any fluctuations during transit allows product owners to determine if product quality is effected and replacement units are required. Uploading this information into ACSIS SCV across the extended supply chain provides the added security and quality that customers are looking for from manufacturers.



17.9%

the expected annual growth rate of the global cold chain industry by 2026, reaching more than **\$585 billion**.²

The ability to monitor temperature readings for pharmaceuticals and food in transit is **essential to ensure efficacy and safety**.

Proactive Decision-Making

ACSIS SCV also includes a robust analytics tool that takes data from the ACSIS solution, ERP, and other systems to identify trends in asset usage, maintenance and repair, and other contextual data. KPI reports allow users to evaluate asset

performance and proactively manage repairs to ensure that assets are available for customer orders. It also allows management to view seasonal or cyclical trends at customer locations so more accurate forecasting and planning can meet required demand and achieve higher customer satisfaction.



Support Digital Transformation Initiatives

Companies are being directed to transition manual, paper-based processes to digital data. This allows streamlined data collection, greater accuracy and the ability to analyze data easily across disparate data sources.

The ACSIS Solution works with all supply chain partners to collect information through a variety of methods, including supplier portals, spreadsheet uploads, emails or utilizing our edge solution. This information is converted into digital data, allowing all data to be stored and evaluated in one centralized solution.

Companies with highly digitized supply chains and operations can expect annual increases of:³



4.1%

Efficiency gains



2.9%

Revenue increase

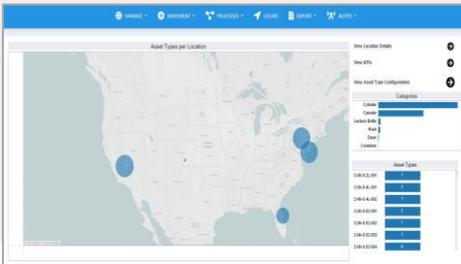
² The World Needs a Reliable and Efficient Cold Chain Now More Than Ever, Forbes, 7/16/2020
³ How digitization makes the supply chain more efficient, agile, and customer-focused, Strategy&

ACSIS works with organizations across industries to implement real-time visibility solutions for better business operations

Asset Tracking

Manufacturers have hundreds of partners in their supply chain network. The ability to see where product is in the supply chain, in real-time, is imperative. The ACSIS Solution provides updates on product in transit, RTIs received at every location, customer usage, and empty containers ready for return. As a result, ACSIS provides the ability to:

- Provide reliable inventory counts
- Quickly process RTI returns
- Enhance the order to cash (OTC) process
- Support sustainability efforts by using reusable containers

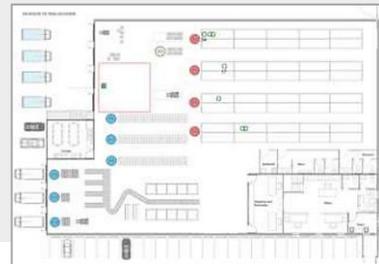


View RTI locations in real-time at all customer locations

Locating Inventory in Facility

Manufacturers rely on a network of supply chain partners to help produce finished goods. Whether it is a raw material, a part or a preassembled component, an organization's facility can contain thousands of items needed for production. The challenge is finding the right material at the right time for a production run to avoid production delays.

With ACSIS item-level identification, items are received, scanned and stored in the facility with the exact location of the item. Instead of hours, it takes a minute to locate what you need and move it to the production area.



Easily locate specific items in the facility with location mapping feature

Conclusion

Organizations need to maximize operational efficiencies, compete on a global level and reduce unnecessary costs. Tracking assets in real-time ensures that your business runs on-time and on-budget. Capturing digital data on asset utilization, customer needs, and seasonal trends allows organizations to identify risks and enable better planning to accommodate any sudden spikes in demand.

To learn more about ACSIS SCV and asset tracking, visit acsisinc.com or contact us at info@acsisinc.com and an ACSIS Supply Chain Visibility Specialist can help you with your questions.