



# Traceability Solutions for the Extended Supply Chain

Intelligent supply chains improve production efficiencies, increase profits, and deliver better results for your customers.



## The Importance of Supply Chain Visibility

Supply chain risk is the new normal. Whether it is supplier issues, weather or natural disasters, or even a global pandemic, companies need to be more proactive in reducing risk and creating visibility across all areas of their business.

While existing enterprise IT systems, such as ERP or MES, provide visibility into purchase orders, inventory, and customer information, they fall short on collecting the granular data needed to analyze partners and customer behaviors across the supply chain and determine where changes could provide greater efficiencies and cost reductions.

Most organizations indicate that supply chain visibility is one of the top issues that need to be addressed, but they don't know how to get started. That's where ACSIS can help.

## The ACSIS Supply Chain Visibility (SCV) Solution

The ACSIS Supply Chain Visibility (SCV) Solution provides the tools needed for real-time traceability across the supply chain. Our solution tracks products and returnable assets at the item level and as they move through the extended supply chain, so issues and bottlenecks can be identified and resolved immediately. Once you obtain real-time visibility across all touchpoints in your supply chain, you can increase speed to market, reduce capital expenditures, and manage risk effectively.

The ACSIS SCV is a cloud-based platform that connects local, regional and global operations for a real-time view across the extended supply chain. The reason it works is because it offers comprehensive data, connectivity across all touchpoints in the supply chain, and actionable analytics to evaluate data and make better business decisions.

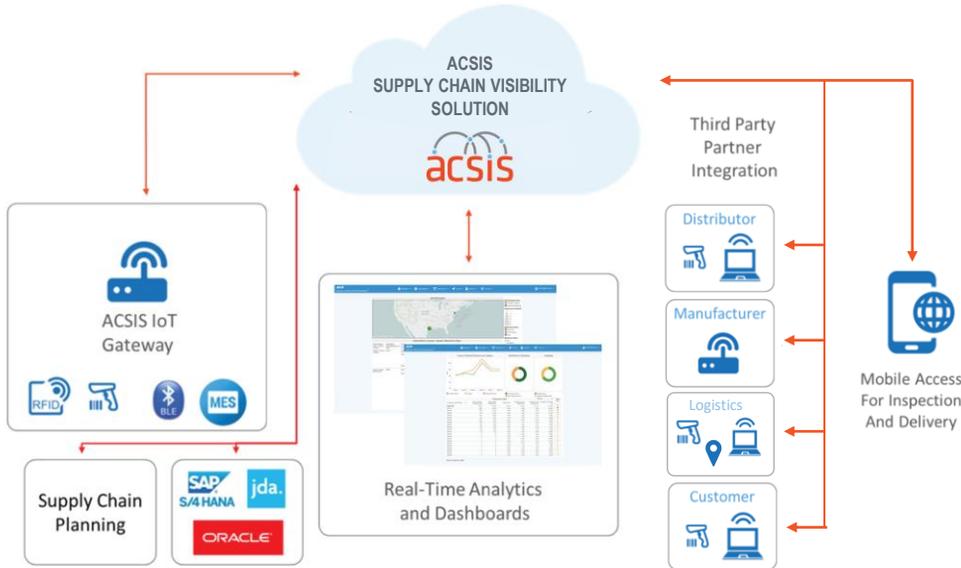


6% of supply chain executives are confident in their systems and capabilities for end-to-end supply chain visibility.

Source: Ernst & Young

## THE ACSIS SCV SOLUTION

The ACSIS SCV provides comprehensive real-time data and connectivity across all devices and partners in your supply chain ecosystem for a more concise picture of your extended supply chain. ACSIS analytics makes sense of disparate data sets and provides actionable insights to address bottlenecks, issues and trends more proactively.



### Comprehensive Data

Existing ERP, MES and other IT systems provide master data and core processes covering orders, manufacturing, and shipping. However, to achieve greater visibility across the extended supply chain, you need more granular data that defines item level attributes, location details and other pertinent data currently not captured. That's where ACSIS can help.

We provide a cloud-based platform that uses ACSIS Business Connectors to easily integrate with ERP and other IT systems, as well as sensors and devices to capture and store an unlimited number of product attributes, packaging details and logistical requirements. This delivers item level identification for any product or returnable asset and tracks the location and status of that item as it moves through the extended supply chain.

The Serialization data is stored in the ACSIS SCV cloud and includes item-level serial numbers, parent-child packaging hierarchies and ship-to locations. Status updates by distributors or other supply chain partners are incorporated into ACSIS SCV to address the repackaged serialized items in new orders and their packaging hierarchies.

## Connectivity

To allow for rapid onboarding and full participation across the supply chain, the ACSIS SCV solution provides multiple methods of connectivity. These methods include portal access, mobile access, as well as a powerful edge computing solution that is designed to incorporate data from Internet of Things (IoT) technology. The edge component allows the solution to capture data electronically via bar code, RFID, vision systems, Low Energy Bluetooth or any other sensor or device. The edge component also allows for quick implementation of new equipment or technologies, so the solution grows with your business needs. The information collected enables users to verify location throughout the supply chain and ensures that safety, quality and compliance requirements (i.e. cold chain, shock levels, etc.) are maintained during transit.

We also include Partner Connectivity to connect partners across your operating ecosystem for a more transparent and agile supply chain. Partner updates can be done through a variety of methods, including supplier portals, spreadsheet uploads, emails or utilizing our edge solution. This allows all partners at any technology level to be onboarded quickly to collaborate with your organization so there are no gaps in your data collection. The ACSIS SCV digitizes all partner information so it can be analyzed effectively, and it can also support your internal digital transformation efforts.

## Actionable Analytics

Now that you have a comprehensive data repository and connectivity to all devices and supply chain partners, you can use the ACSIS Analytics tool to provide predictive insights and true visibility into the extended supply chain processes and network. It comes with out-of-the-box KPI dashboard reports and an easy to use report builder to create ad-hoc reports. The data becomes actionable information by expanding your limited ERP master data and leveraging IoT connectivity to provide the details needed to make better business decisions regarding all manner of issues and bottlenecks in your supply chain. ACSIS finally connects all the pieces of your supply chain puzzle together to have a more cohesive picture for better operational planning.

The end result means better supply chain visibility for better operational planning, reduced waste, enhanced partner collaboration and improved customer satisfaction.

## Partner Network

AC SIS understands that you may need more than software to increase your supply chain visibility. We have the experience and the partners to identify the technologies that best suits your needs and budget to deliver a turnkey solution. We deliver data collection capabilities and streamline the digitization transformation in your business ecosystem.

According to McKinsey Global Institute, data-driven organizations are:

**23x**

more likely to acquire customers

**6x**

as likely to retain customers

**19x**

as likely to be profitable as a result

### Item-level Product Traceability Benefits

- Increase your inventory accuracy rate for better production planning and reduced stockouts.
- Monitor item level aggregation to ensure order accuracy, increase customer satisfaction levels and reduce impact on customer service.
- Track parent-child packaging levels during the packaging process and repacking operations needed at distribution centers to properly track shipments to the item-level and detect potential problems throughout your supply chain.
- Leverage IoT technology to verify required shipping conditions (i.e. temperature, stabilization, etc.) using sensor readings to maintain product efficacy and safety.
- Collect and analyze comprehensive data sets to determine trends, bottlenecks, and issues across your supply chain and customer network to manage your operational and logistical planning more effectively and efficiently.

### Returnable Asset Traceability Benefits

- Track and monitor Returnable Transport Items – such as cylinders, containers, small load carriers, totes, drums, crates and pallets – across the supply chain to establish a chain of custody and accountability.
- Provide identification via barcode or RFID to each asset to track location in the facility and anywhere in the supply chain to reduce search times, asset losses and costly replacements.
- Prevent unnecessary returns by matching customer needs to an asset's unlimited number of attributes stored in the ACSIS SCV solution.
- Manage the history of every returnable transport item and determine maintenance, cleaning and inspection requirements and improve utilization and asset turns.
- Collect and analyze comprehensive data sets to determine trends, bottlenecks, and issues with returnable asset inventory, supply chain distribution and customer network to manage your operational and logistical planning more efficiently.

To learn more about supply chain visibility and how it can benefit your organization, visit [acsisinc.com](http://acsisinc.com) or contact us at [info@acsisinc.com](mailto:info@acsisinc.com) and an ACSIS Supply Chain Visibility Specialist can help you with your questions.

---

#### WHY ACSIS?

For over 20 years, ACSIS has been successfully delivering innovation supply chain execution solutions with actionable results to valued customers such as The Coca-Cola Company, DuPont, The Hershey Company, AmerisourceBergen, Cintas, Ashland and more. ACSIS Traceability Solutions for the Extended Supply Chain provide a real-time view of supply chain execution – connecting legacy systems, partner networks, and assets on the edge for better insight and smarter forecasting.



AC SIS, Inc.  
50 Lake Center  
Executive Parkway, Suite 201  
Marlton, NJ 08053

Email: [info@acsisinc.com](mailto:info@acsisinc.com)

[acsisinc.com](http://acsisinc.com)