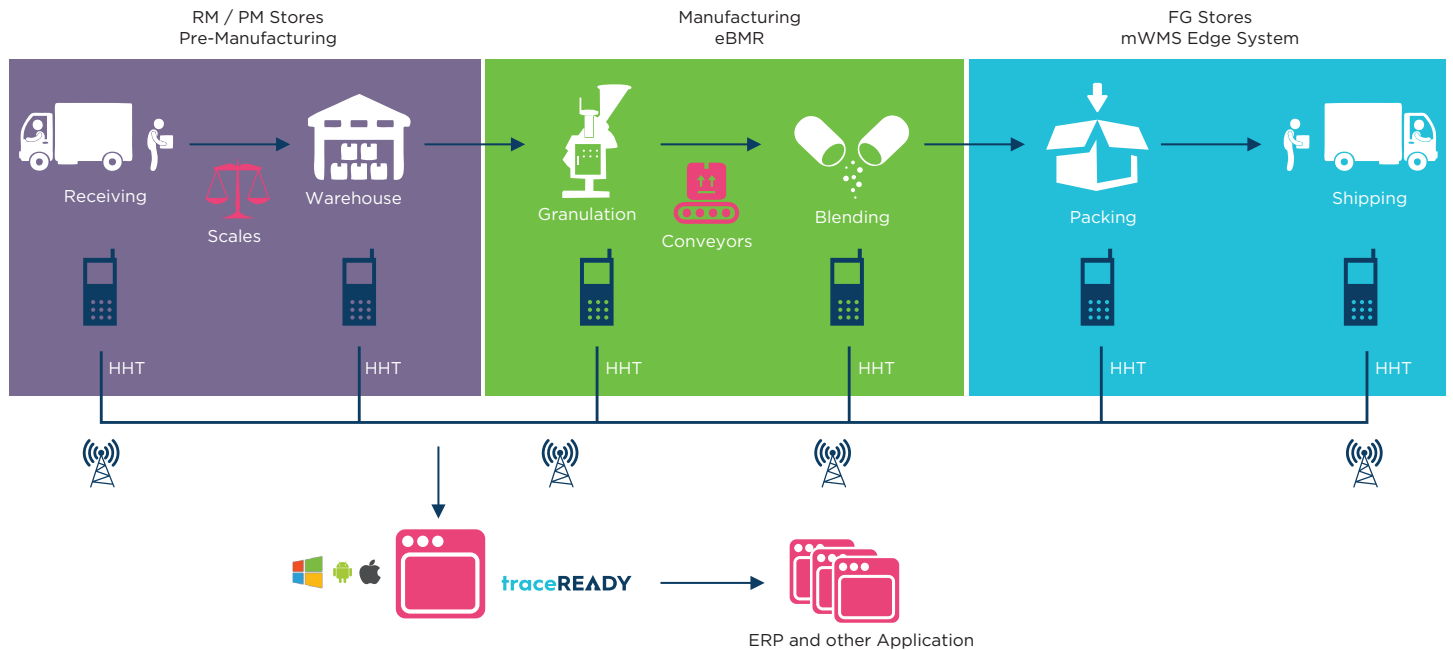


The Life Sciences industry is experiencing challenges due to patent expiry, high cost, pricing regulations, global competition, regulatory norms, stringent quality protocols, and long lead time to bring out new drugs. Supply chain solutions for Life Sciences companies are complex. They are required to be designed not only to ensure patient safety and regulatory compliance, but also to provide the firms with sustainable competitive advantage.



Why Supply Chain Solutions?

An appropriate supply chain solution is necessary for a Life Sciences organisation to operate in a compliant and profitable manner. Planning for raw materials sourced from global suppliers, dealing with manufacturing constraints across facilities, managing availability by establishing and monitoring distribution inventory levels, and tracking and responding to demand changes, are some of the challenges that Life Sciences companies face. It is necessary to implement adequate controls to ensure compliance across the supply chain solution.

How Can Navitas Life Sciences Help?

In the supply chain domain, Navitas Life Sciences specializes in delivering products, solutions and services for effective orchestration of enterprise mobility & material tracking.

Navitas Life Sciences has developed a mobility framework for extending ERP transactions, as well as other Enterprise Applications, to a variety of industrial and personal mobile smart devices using Windows, Android & iOS platforms. This platform avoids complex middleware for integration and uses dynamic rendering engine to configure data collection screens. This platform facilitates additional system controls real time during operations along with reduced information latency and improved data accuracy.

About Navitas Life Sciences

Navitas Life Sciences brings together the proven strengths of its legacy brands Navitas, Ecron Acunova and Intelent to serve as a strategic partner to global Life Sciences companies. Navitas Life Sciences leverages its industry insights and domain expertise to develop and implement consulting, technology and functional services across the spectrum of Clinical, Regulatory and Safety, to innovate and create value to address the needs of the industry uniquely.

traceREADY Pre-Manufacturing

traceREADY Pre-Manufacturing starts the process streamlining from the receiving of raw and packing materials until the dispensing of the material to the manufacturing floor. The solution addresses the in-process controls required to meet the regulatory compliance. 21 CFR Part 11 requirements are well designed in the solution for fitting into a regulated environment.

With traceREADY Pre-Manufacturing, in-process controls are implemented to ensure compliance as well as to record the transaction at the point of action without any data errors. The time taken from receipt of material to dispensing is considerably reduced by this application.

The solution designed by Navitas Life Sciences, seamlessly integrates with multiple ERPs and enterprise applications, and interfaces with industrial devices and mobile devices to drive business processes.

traceREADY Warehouse Edge System

traceREADY Warehouse Edge system has been helping companies in regulated industries, such as Biomedical and Pharmaceutical manufacturers, to maintain compliance with the DSCSA regulations. traceREADY has heritage in data collection that enables companies to ensure accountability and preserve a clear audit trail across systems and processes. All business events are captured using Electronic Product Code Information Services (EPCIS) format to ensure universal access to the what, when, where, and why information.

Key functions within traceREADY Warehouse Edge system include:

- Warehouse Management Operations integrated to backend ERP, WMS & EPCIS Repositories in real time
- Fully compliant to EPCIS V1.1 Standards
- Labelling after Item serialization & aggregation - HDMA & ASN labels
- Lot control and genealogy
- Parent-child relationship management along with view capability on handheld Devices
- Handles high volume of data using throttling and effective queue management to EPCIS Repository
- Flexible integration using API, backend Telnet connection & Messaging queues / Brokers

traceREADY Plant Maintenance

Navitas Life Sciences has developed a mobility application using industrial and personal mobile smart devices, to enable automation of plant maintenance activities. This application interfaces with ERP on a real time basis to retrieve maintenance strategies, release the work orders and instructions, maintenance history, spares inventory and update the maintenance status on a real time basis when a maintenance engineer completes the task. Quality Assurance is integrated with the maintenance activity for authorization via a work flow using a mobility device.

traceREADY Plant Maintenance mobility solution integrates fully with ERP and helps the maintenance engineers to:

- Manage and track equipment maintenance for machinery, scales, instruments, and other critical assets
- Act on preventive and Breakdown (ad hoc) work orders for servicing plants and equipment



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