



# Appian for Supply Chain in Life Sciences

Low-code platform for end-to-end automation and visibility across the life sciences product lifecycle.

## SUPPLY CHAIN CHALLENGES IN LIFE SCIENCES

Due to increased patient demand and competition, life sciences organizations are reexamining their supply chain operations and how to more safely and efficiently bring products to market. More than ever, they're prioritizing product safety and integrity as they transfer products through different areas of the supply chain, from contract manufacturers, to wholesalers and dispensers and ultimately the patient. As the market forces organizations to change their service and operating models, they must look at:

- Replacing aging systems, siloed data within point solutions, and paper-heavy processes
- Innovating to improve user experience, integrate new technologies, and make it all mobile
- Addressing channel friction and disjointed communications across departments
- Achieving end-to-end visibility, traceability, and auditability for operations and stakeholders
- Need for improved analytics and predictive insights for efficient business and demand planning
- Complying with diverse product regulations across international borders

As a result, many life sciences organizations are looking to leverage multi-experience development to deliver users applications that let them more easily interact across the business, in the field, and with external partners.

***By 2023, over 25% of mobile, progressive web and conversational apps at large enterprises will be built and/or run through a multi-experience development platform.***

– GARTNER, MAGIC QUADRANT FOR MULTIEXPERIENCE DEVELOPMENT PLATFORMS, JASON WONG, VAN BAKER, MARK DRIVER, ADRIAN LEOW, PAUL VINCENT, 10 JULY 2019.

## DIGITAL SUPPLY CHAIN, THE APPIAN LOW-CODE WAY

With the Appian low-code automation platform, life sciences organizations can digitize supply chain operations faster with a low-code app development platform. With this, you can orchestrate processes across your supply chain with multiexperience applications and use intelligent automation to drive innovation. The Appian platform offers:

- **Simple Design.** Accelerate app development with drag-and-drop design, reusable components, and easily accessible data anywhere
- **Intuitive Experience.** Leverage modern user interfaces to improve the employee experience and drive organizational change
- **Automated Work.** Orchestrate processes across people, robots, machines, and multi-enterprise networks
- **Future-Proof Apps:** Operationalize leading technology within your solutions, including AI, Machine learning, RFID, robotic process automation, IoT, and Blockchain
- **Worry-Free Development:** Experience the peace of mind of a secure, reliable, and scalable cloud platform
- **Track and Trace capabilities:** Ensure compliance with logistics standards for sensitive life sciences products including temperature controls and transit times

Companies need a simpler way to create powerful software. Appian's low-code platform enables organizations to deliver modern applications 20x faster, with fewer resources.

***Companies with highly digitized supply chains and operations can expect efficiency gains of 4.1 percent annually, while boosting revenue by 2.9 percent a year.***

– PWC, HOW DIGITIZATION MAKES THE SUPPLY CHAIN MORE EFFICIENT, AGILE, AND CUSTOMER-FOCUSED, STEFAN SCHRAUF & PHILIPP BERTRAM.

## THE APPIAN DIFFERENCE: Idea to Application, Faster

- **Extend enterprise and legacy systems.** Use easy-to-configure connectors and APIs let you quickly unify and extend virtually any system or data source – including SAP, Oracle, and existing supply chain systems.
- **Orchestrate B2B network connectivity.** Automate processes and workflows that span your organizational silos and external business partners, for real-time action that improves communication and execution.
- **Improve auditability and compliance.** Adhere to regulations, strengthen safety while mitigating risk through the improved control and validation of increased traceability, end-to-end tracking, and real-time actions.
- **Accelerate digital innovation.** Quickly deliver apps across the value chain, more efficiently, responsively, and sustainably – while accelerating autonomous supply chain planning.

## Highlighted Solution Areas

**Track and Trace.** Appian helps organizations with manufacturing operations improve shipping management and strengthen product quality assurance. A digital control tower tracks geographic location, monitors cold chain distribution, and ensures the accuracy, authenticity, and safety of products in transit, to protect against fraud and counterfeiting and ensure corporate responsibility.

**Quarterly Contract Manufacturing Reconciliation.** A leading global drug manufacturer recently purchased Appian to replace manual processes, reduce errors, increase speed, and advance digital innovation. Appian worked hand-in-hand with the company's existing ERP system to reconcile transactions, on-hand inventory, and quarterly work orders.

**Labeling.** Using Appian, a leading biotechnology organization streamlined its product creation methods on a global scale. Appian seamlessly integrated with systems for product registration, regulatory documents, safety signaling and tracking, product and change management, as well as the supply chain and central corporate data, to achieve end-to-end visibility and auditability of the entire labeling process.

## Explore Appian's applications for Supply Chain Orchestration

### Sourcing & Procurement

- Customer Financing Programs
- Business Partner Compliance Management
- Category Management and Strategic Sourcing
- Contract Lifecycle Management
- Cybersecurity Risk Management
- Procurement Management
- Rebate Management
- Supplier Relations Management
- Vendor Onboarding and Qualification

### Logistics

- Fleet Management
- Freight Tracking
- Product and Lot Release
- Shipping Compliance
- Route Planning
- Track and Trace
- Transportation Management

### Asset Management

- Asset Visibility and Tracking
- Cataloging and Provisioning
- Maintenance and Repair Operations
- Mobile Inspections
- Job Planning
- Request Management

### Demand & Supply Planning

- Claims Investigation and Compliance
- Inventory Management
- Materials Pipeline Planning
- Product Launch Management
- Recalls Tracking
- Stock Replenishment
- Warehouse and Delivery Center Management
- Yard Management

### Order to Cash

- After Sales Service
- Customer Onboarding
- Dispute Management
- Invoice Processing
- Order Fulfillment
- Returns Processing

### WITH APPIAN, CUSTOMERS CAN:

-  Increase Operational Efficiency
-  Master Safety and Compliance
-  Improve Customer Experience
-  Achieve Organizational Change

### CUSTOMERS TRANSFORMING THE SUPPLY CHAIN WITH APPIAN:



Appian provides a leading low-code software development platform that enables organizations to rapidly develop powerful and unique applications. The applications created on Appian's platform help companies drive digital transformation and enables competitive differentiation. For more information, visit [appian.com/operational-efficiency](https://appian.com/operational-efficiency)