appian

Inventory and Materials Management

Appian for Manufacturing and Retail.

Inventory and materials are a huge cost for many organizations. Often, the cost of materials exceeds 50% of the total cost of goods produced. Such a large investment requires considerable planning and control to minimize waste.

Manufacturing organizations need to track the inventory of parts each engineer uses to build prototypes and products across warehouses and factories. Not having the right number of parts and materials on hand can halt production and become very costly. For retail organizations, it is important to manage and control all store inventories.

Having a backlog of inventory is a critical problem—the right products must always be on shelves or sales will plummet. Many retailers have trouble knowing where their inventory is at a given moment, simply assuming new inventory will arrive on time and to the right places. They need the ability to quickly access inventory details, view orders, and make changes based on customer demand. They also need an audit trail to avoid backlog and build up of items that are not in demand.

Through proper management and control of materials, an organization can achieve significant cost savings, reduction in lead time, lower cost of inventory, improved production efficiency, and reduced waste.

With Appian, you'll get a centralized and integrated process to oversee all inventory and materials activities. In addition, built-in robotic process automation (RPA) capabilities streamline inventory database updating, product categorization, demand and supply planning, and bill of materials (BOM) generation.

Common manufacturing challenges:

- Inaccurate or partial bill of materials listing from engineering.

- Engineering requisition issues.

- Purchase order revisions and inaccuracies.

- Shipping and receiving errors causing inaccurate inventory levels.

- Inaccurate material inventory counts and inventory adjustments.

- Data integrity issues from having multiple data sources, including materials management systems (MMS), smart plant materials (SPM) or ERP systems (SAP, etc.), as well as various engineering systems.

How the Appian Low-Code Platform can help:

- Modern, mobile-ready user interface to identify and track availability, plan for volume, and actively request materials and parts.

- Automated count of inventory on hand in stores, warehouses, factories, and goods in route.

- Better tracking of strategic sourcing and materials requests with outside suppliers.

- Automated workflow around material requests, cataloging and provisioning, materials movement, use in production, and distribution to the end consumer.

- Reporting and analytics to forecast the performance/ economic effects that could be reached through use of materials.

- Audit capabilities for compliance with regulatory and trade documentation for relevant geographic jurisdictions and quality and inspection requirements.

- The ability to unify and extend existing systems, including ERPs and materials management and engineering systems.

Leading organizations trust Appian for inventory and materials management.

Lam RESEARCH

The Appian solution allows 3,000 engineers and managers to track their materials requests with outside suppliers and request parts from the warehouse. Saved $6 million in operational costs. One of 22+ enterprise applications delivered.

DAIMLER

Their Appian application provides material planners with a modern interface. Better insight and efficiency around monitoring the materials pipeline and plant stock replenishment ensures they can meet demand and prevent shortages that would halt vehicle production.

Loblaws

The Appian mobile app captures and actions inventory discrepancies to increase efficiencies on the warehouse floor and ensure auditability of inventory levels.

VISY
FOR A BETTER WORLD

A materials loading visibility app developed with Appian facilitates the movement of material from the supplier through the domestic and export distribution channels to the end customer, ensuring compliance with the regulatory and trade requirements of the relevant geographic jurisdictions.

Learn more at **appian.com**

Contact us at **info@appian.com**