Client Success Story

Leading U.S. Tools and Equipment Retailer



Learn How Altumind Built a Vendor Collaboration Portal to Streamline Purchase Order Management for a Leading U.S. Tools and Equipment Retailer

Industry:
Retail

Solution:
Vendor Collaboration Portal for Purchase Order & Change Request Management

Client Overview

This U.S.-based retail company specializes in tools and equipment. With a large-scale operation and a complex global supply chain, the client needed a tailored digital solution to streamline purchase order (PO) management, enable seamless communication between buyers and vendors, and provide real-time visibility into PO changes.

Business Benefits

- 100% Customized application
- 80% Automation of the existing manual proces
- Seamless user login experience for buyer and vendor users with an enhanced security layer
- Ease of accessing real-time changes of POs for external/vendor users
- Periodic sync of data from on-prem to cloud

IT Landscape

Java, ReactJS, NodeJS, Oracle EBS, OCI, IDCS, Linux

Business Requirements

- Customized solutions for organization-specific purchase order (PO) changes and communication workflows.
- Real-time PO updates and changes exchanged seamlessly between vendors and buyers.
- Role-based access controls to accommodate different user types.
- Seamless login experience with Single Sign-On (SSO) for organizational users.
- Message exchange service to be established between buyers and vendors.
- Strong emphasis on data security and protection.

Challenges

The client's purchase order and change request workflows were largely manual and email-driven, making them inefficient, error-prone, and difficult to track. Teams also faced a number of structural obstacles:

- Lack of built-in functionality in the existing ERP system.
- Onboarding of over 1,500 vendors globally.
- Vendor teams accessing the application from multiple continents.
- Challenges in providing real-time updates or changes to purchase orders.
- Sharing the same data with multiple user levels while maintaining restricted visibility.
- Delays in responses from buyers.
- Dependence on individuals for managing email response.
- Daily data consolidation efforts involving approximately 50 inventory analysts.



Our Solution

Altumind collaborated with the client to design and develop a secure, user-friendly Vendor Collaboration Portal tailored for end-to-end purchase order lifecycle management. The solution streamlined vendor collaboration and enhanced internal efficiency.

Customized Application

- Designed and developed a custom application to meet specific customer workflow requirements.
- Implemented a multilayer architecture to simplify future customizations.
- Established a robust change request tracking system for efficient workflow updates.
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- Integrated real-time Oracle data synchronization to minimize response delays.
- Leveraged cloud-based data services for enhanced accessibility and security.



Seamless User Experience

- Deployed Oracle Identity Cloud Service (IDCS) for comprehensive user account management.
- Enabled Single Sign-On (SSO) for a seamless login experience for organizational users.
- Introduced advanced user session management controls.
- Scheduled periodic synchronization of data from on-premises systems to the cloud using DB link.

Messaging Feature and UI/UX

- Implemented best-in-class UI/UX standards for an intuitive and engaging user interface.
- Enabled in-context messaging and commenting so buyers and vendors can exchange PO changes and updates in one place.

Key Transformative Solutions by Altumind

- Custom application built around the client's PO and change request workflows
- Multilayer architecture designed to simplify future customizations
- Change request tracking system for efficient workflow updates
- Real-time Oracle data synchronization and periodic on-prem to cloud sync
- Oracle IDCS and Single Sign-On for secure, seamless buyer and vendor access
- Role-based access controls and advanced user session management
- Message exchange between buyers and vendors



The Implementation Journey

Altumind kicked off the engagement with a deep dive into the client's supply chain workflows and communication gaps. We designed the portal experience to be intuitive and collaborative, allowing procurement and supply chain teams to operate with greater control and speed. Through agile iterations, we delivered a high-performance system aligned with the client's operational goals and future scalability needs.



Engagement Model – Hybrid

Altumind engaged with the client through a Hybrid model, combining Dedicated Teams, Delivery Ownership, and Nearshore/Offshore support. This flexible structure enabled agile execution, 24/7 responsiveness, and measurable outcomes across its digital transformation initiatives.

Results

The implementation of the portal significantly transformed the way the client managed its procurement operations. Key outcomes included:

- 100% customized application
- 80% automation of the existing manual process
- A seamless login experience for buyer and vendor users, backed by an enhanced security layer
- Ease of accessing real-time PO changes for external/vendor users
- Periodic sync of data from on-prem to cloud

With this solution, the client gained greater control over its purchase order processes and improved collaboration with its global vendor base.

Empowering Businesses with Digital Innovation & Human-Centric Solutions

Altumind is a digital solutions powerhouse committed to helping businesses thrive in today's ever-evolving digital landscape. We bring together cutting-edge technology, data-driven insights, and human-centered design to drive impactful digital transformation.

As a strategically, we deeply understand your business challenges, leveraging AI, RPA, and cloud computing to craft tailored solutions that maximize ROI, streamline operations, and deliver measurable growth.



Experience Design

Crafting intuitive user experiences that enhance engagement and drive customer satisfaction.



Technology and Engineering

Building scalable and robust digital platforms, including web and mobile applications.



AI & Automation

Leveraging AI, RPA, and advanced analytics to optimize operations and enhance decision-making.



QA & Testing Services

Ensuring seamless functionality, security, and reliability through rigorous testing processes.



Cloud Solutions

Empowering businesses with cloud-native architectures for scalability and efficiency.



Digital Marketing

Enhancing brand visibility with targeted strategies, SEO, and data-driven marketing campaigns.



Data Analytics

Transforming raw data into actionable insights to drive informed decision-making.



Managed Operations

Providing end-to-end operational support to streamline workflows and boost productivity.



Digital Strategy and Consulting

Guiding businesses in their digital transformation journey with strategic planning and execution.



Cybersecurity

Strengthening security through proactive threat detection, risk management, and compliance.

Book a Free Consultation

Here's Why Altumind is a perfect fit for you too:

- Comprehensive digital solutions spanning experience design, AI-driven automation, and cloud transformation.
- Scalable and customizable technology tailored to unique business needs.
- AI, RPA, and analytics-driven automation to enhance efficiency and decision-making.
- Cloud-native architectures and digital solutions designed for global scalability.
- Expert-led implementation and post-deployment support for seamless execution.
- Integrations with enterprise systems ERP, and e-commerce platforms.
- Adaptive talent solutions with Altumind Agiliti to access the right expertise at the right time.

Accelerate your digital transformation with expert-led innovation and next-gen technology.

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