Clothing Company ERP Solution Case Study

Name

Unified Clothing Company ERP Platform

Executive Summary

Transform apparel operations with Ovaku's **all-in-one ERP solution** designed for clothing manufacturers and retailers. This web application centralizes **finance, supply chain, CRM, inventory, sales, and purchase processes** into a cohesive platform with **automated GST compliance**, **real-time stock visibility**, and **intuitive workflows**—delivering **35% faster order processing** and **25% reduction in manual errors** through seamless automation and modern UX.

Problem Statement

A leading clothing company operated disparate systems across departments, resulting in siloed data, manual GST calculations, inventory mismatches, and inefficient customer/vendor interactions. These challenges caused **billing delays**, **compliance risks**, and **reduced operational transparency**, hindering growth and profitability.

Business Solution

Ovaku developed a **web-based ERP platform** that integrates all core business functions and automates critical workflows:

- Finance, supply chain, CRM, inventory, sales, and purchasing modules unified in a single system
- Automated GST calculation engine with direct connectivity to government APIs for real-time tax filing
- Real-time inventory synchronization between purchase orders, stock levels, and sales transactions
- Centralized customer and vendor management dashboard for streamlined communications and relationship tracking
- Configurable role-based access and customizable workflows for rapid staff adoption

Key Features

- **End-to-End Modules**: Unified management of accounting, procurement, sales orders, supply chain, and CRM in one platform

- **GST Automation**: Automated CGST, SGST, IGST calculations and electronic filing via government API integration

- **Inventory Management**: Live stock tracking with auto-reorder alerts, batch management, and warehouse transfers

- **Customer & Vendor CRM**: Centralized profiles, interaction logs, contract management, and performance analytics

- **User-Friendly Interface**: Responsive, modern UI with dashboard overviews, drag-and-drop forms, and guided workflows

- **Operational Efficiency**: Automated approval flows, email notifications, and data validation to eliminate manual errors

Impact

Performance Metric	Achievement	Business Value
Order Processing Time	35% faster	Accelerated turnover and improved customer satisfaction
Manual Error Reduction	25% fewer data-entry mistakes	Enhanced data integrity and compliance reliability
Inventory Accuracy	98% real-time stock sync	Minimized stockouts and overstock situations
GST Filing Efficiency	100% automated compliance	Reduced audit risk and streamlined tax reporting
Staff Adoption Rate	90% positive feedback	Rapid onboarding and high user engagement

Technologies

- Frontend: React, Redux, Ant Design

- Backend: Node.js, Express.js, RESTful APIs

- Database: PostgreSQL with JSONB support

- GST Integration: Government GST API, custom tax engine

- Cloud Hosting: AWS (EC2, RDS, S3) with auto-scaling

- Security: OAuth 2.0, JWT, SSL/TLS encryption

- Automation: Node-based workflow engine, email/SMS notifications

Client

Confidential – Leading Clothing Manufacturer & Retailer

Industry

Apparel, Fashion Retail, Enterprise Resource Planning