



Application Modernization

Unifying Transportation Operations Through An Integrated Management System

Client Overview

Our client is an American multinational retail corporation that operates a chain of hypermarkets, department stores, clubs and grocery stores from several countries.

They currently have different disparate stacks for solving 'First Mile', 'Middle Mile' & 'Last Mile' use cases.

Outcomes Delivered

The unified system integrated disparate transportation operations into a single platform.

Results included:

- ✓ Integrated transportation network supporting multiple delivery flows
- ✓ Unified user experience across transportation modules with SSO capabilities



The Challenge

Transportation operations required unification into a single integrated system.

The objective was to:

- Create a fully integrated Transportation Management System leveraging existing supply chain technology products
- Support current & future Inbound and Outbound flows throughout the delivery network
- Bring together disparate transportation stacks into "ONE" network
- Address E-Commerce & Store flows and be extensible for US and international markets



The Solution

Saicon architected a comprehensive Transportation Management System with integrated capabilities.

Implementation included:

- Setting up MDM for Carrier, Location, Zone, Tractor, Trailer etc.
- Data Migration from legacy database to Azure SQL
- Developing APIs for all screens for MDM and Inbound & Outbound flows
- Used integrated UI platform to access transportation modules with SSO
- Used material UI and living design standards for UI development
- Developed reusable UI components
- Used CCM configurations to access keys from any module