

How SWAT Helped A Leading Convenience Chain-Store Reduce Cost & Improve Operational Efficiency.

A renowned Japanese convenience store chain in Thailand operates over 500 stores nationwide and manages more than 30 daily delivery routes. As the network expanded, logistics from distribution centers to individual stores became increasingly complex. Fluctuating demand further complicated inventory replenishment and route planning. To address these challenges, the company partnered with SWAT Mobility to streamline and optimize its delivery operations.

Challenge

- ▶ Heavy reliance on human knowledge for manual route planning.
- ▶ Multiple operational constraints such as vehicle capacities, driver schedules, and restrictive store delivery time windows.
- ▶ Underutilization of vehicles and overlapping routes.
- ▶ Lack of visibility into vehicle location and order status.
- ▶ Increasingly complex delivery operations without dynamic adaptability.

Solution

To tackle these challenges, the convenience chain-store decided to **automate its logistics operations** using SWAT Mobility's intelligence Dispatch Management System, featuring advanced route and load optimisation. The system generated **highly efficient routes based on real-time traffic conditions**, tailored to the store's **unique operational constraints**.

Furthermore, it intelligently **maximised the load capacity of each vehicle**, ensuring optimal efficiency. Geofencing was also introduced to group orders within defined zones, **reducing route overlaps** and improving overall **operational effectiveness**.

With SWAT Mobility's driver app, the company **gained real-time visibility** into vehicle locations and order statuses. The app also enabled **proof of delivery**, enhancing transparency and control across the logistics process.

10%
Reduction in
transportation cost

30%
Kilometers
per trip reduced

<30 mins
Spent daily to
complete route planning
automatically

Benefits



TRUSTED BY LEADING COMPANIES

Lotus's

NEC

NEX NIPPON EXPRESS

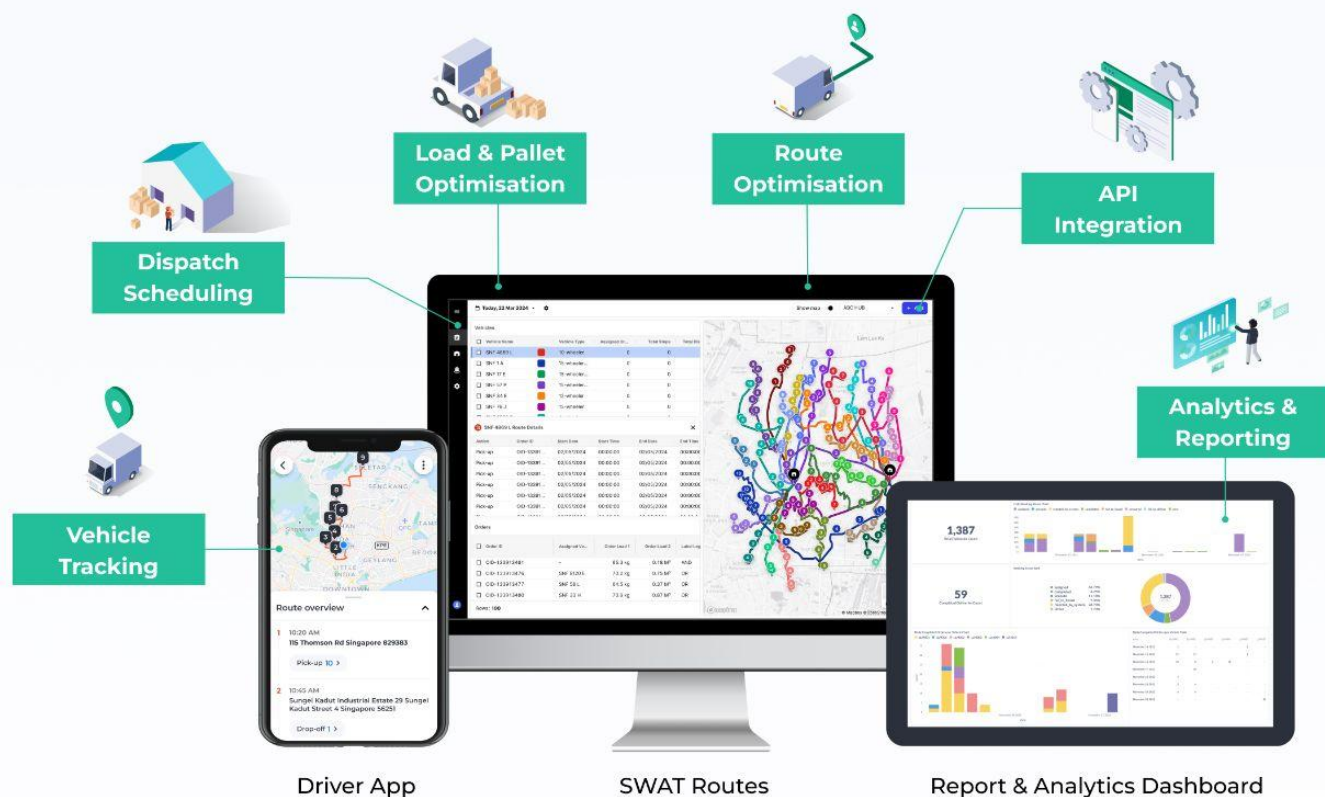
LAWSON

Sanicare

MAKE SEND

Smarter Dispatch. Lower Cost. Better Control.

Dispatch Management System



Route Optimisation

Our patented dynamic routing algorithm plan the most optimised route.



Load Optimisation

Ensure each vehicle is maximally loaded with the right mix of products.



Fleet Management

Set vehicle constraints, such as capacity, height, weight to ensure optimal resource utilisation.



Customisable Constraints

More than 200+ parameters can be taken into account to fulfil operational requirements.



Route Editing

Flexibility to manually edit system-generated routes.



Dispatch Scheduling

Auto-schedules vehicle's arrival and departure time to/from warehouse.



Geofencing

Customisable vehicle operational area based on current existing operations.



Time-Dependent Speed Map

Optimise routes based on real-time road speeds at different times of day.



Vehicle Real-time Tracking

Monitor fleet location, movement, status, and activities in real-time.



Delivery Tracking

Provide real-time delivery tracking with accurate ETA to your customers.



Reporting & Analytics

Gain insights and make informed decision based on comprehensive data analysis.



Third-Party Integration

Seamlessly integrate with your systems via our API.