Opturion Technology Powers APP to Optimise Cleanaway Operations

Executive Summary

Cleanaway sought an optimisation solution for its waste management and recycling business. It selected ORCODA, one of Opturion's implementation partners, to develop a solution. ORCODA uses Opturion's Dynamic Transport Optimiser (DTO) as the optimisation engine within its application.

Client Background

Cleanaway is one of Australia's leading waste management and resource recovery companies dedicated to providing the complete range of sustainable waste disposal services tailored to your needs. Our efficient disposal and removal services cater to all events, business needs, regulations, and scenarios. We recover resources from different waste types and streams while maintaining service quality and contributing to environmental sustainability.

Client Challenges

The waste management and recycling industry faces several important challenges:

- Managing and reducing transportation costs
- Maintaining customer service levels and customer satisfaction
- Complying with statutory and regulatory requirements
- Recruiting and retaining drivers
- Dealing with aging vehicles

Project Background

The project consisted of providing Cleanaway with an application to schedule and manage waste and recycling collection. Using DTO, the scheduling part created routes and schedules to collect waste and recycling and deliver it to the appropriate centres most efficiently. The schedules were then implemented and managed to ensure compliance, customer service, and satisfaction, considering travel times, vehicle loading, compatibility, and other essential factors.

Project Results

The ORCODA application, based on DTO technology, has been rolled out to over 5,000 vehicles in the Cleanaway fleet. It has helped to address the company's key challenges by creating schedules that meet customer needs, comply with regulatory requirements, and minimise the number of vehicles (and drivers) required and fuel and labour costs.

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