OPTURION
Intelligent Decision Support
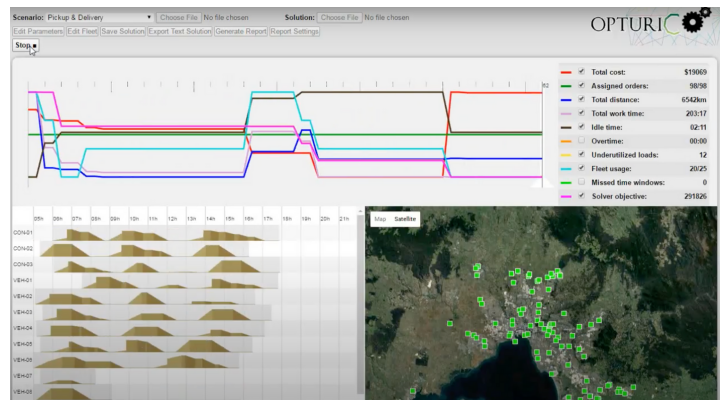
OPTURION TRANSPORT OPTIMISER

The Opturion transport optimiser is a powerful Artificial Intelligence (AI) based Dynamic Transport Optimiser (DTO) designed to pick the most efficient routes and schedules; reduce waste and meet higher levels of customer demand. With an unrivalled ability to respond to changes as they happen, Opturion's DTO enables optimisation hour-by-hour, or even minute-by-minute, reducing cost, yet maintaining compliance and customer service levels.

Due to its ability to integrate with an existing booking and dispatch system, Opturion is an ideal cost-effective solution for businesses and organisations, interested in providing an additional decision support capability, to increase efficiency and customer service. The Opturion DTO's extensibility and customisation potential offer unequalled power to tailor your system to specific business needs and priorities.

It is no surprise that the Opturion DTO is successfully used by a broad spectrum of industries from transport and logistics, utility workforce management and healthcare transportation.

Why Opturion ?

- Proven results in Transportation over 7 years
- Artificial Intelligence Optimisation (2nd Gen)
- Cost-effective solutions
- Versatile implementations
- Spin-out from Data61 (CSIRO)

Why DTO?

- Fast & Reliable, Re-optimise within seconds
- Saves you Time, Saves you Money
- Operational excellence at multiple Transport companies
- Delivered as a Software as a Service (SaaS)
- Familiar front-end–MS Excel
- Minimal change management required
- Easily integrates with 3rd party TMS & ERP

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PRODUCT FEATURES

Fatigue Management

The Opturion DTO takes fatigue into account and automatically creates schedules that minimise and manage fatigue related risks, while dynamically redesigning and optimising schedules as demands change.

Load Management

Creates feasible loads with respect to the vehicle configuration as well as regulatory and business rules.

MS EXCEL Interface

The optimiser accepts data in JSON or Microsoft Excel and generates analysed results in the respective formats.

Fleet Usage

Multiple scenarios are modelled, giving the optimiser the flexibility to choose an appropriate vehicle mix and work pattern, so transport requirements are achieved at the lowest cost.

Delivery Date and Route Optimisation

Forecasting combined with a fleet and driver roster, are used to make the decision of which sites to visit on which days/shifts, and which routes to take for each vehicle. The exact delivery quantities can then be further optimised.

Day Ahead Planning

An ability to run multiple optimisation scenarios to gauge the impact of pre-determined constraints and increase delivery efficiency. Each order can also be tried in a separate optimisation scenario.

Flexible Constraints

The optimiser contains all possible constraints and decisions as a list of presets which could be switched on/off when creating a schedule.

The Opturion DTO has been integrated into booking and dispatch systems used by leading transport and logistics companies in Australia, including Allied Express, Austral Bricks, CEVA Logistics and StarTrack.

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