



**John L Pierce Increases Fuel Delivery by around
100,000 L/Day with Opturion Load Manager**



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Intelligent Decision Support



Executive Summary

Looking to reduce the time taken for load planning, increase payloads and ensure compliance, John L Pierce (JLP) engaged Opturion to install the Opturion Load Manager (OLM) for use across their fuel delivery fleet. This has resulted in a reduction in planning effort, increased payloads and guaranteed compliance.

Client Background

JLP runs a fleet of 150 vehicles and employs 330 people in the eastern states of Australia. It delivers fuel to filling stations, mines, and farms and has been operating successfully for 75 years.

Client Challenges

Fuel delivery is a competitive sector that requires equipment at a high capital cost. Safety and compliance are essential, and the objective is to maximise the payload of each truck subject to constraints including:

- Axle weights
- Overall weight
- Stability

These constraints must be enforced at each journey stage from the load point to the first and any subsequent deliveries. They can also change depending on road conditions. Manually doing this is time-consuming, and it is almost impossible to get an optimum solution with anything from 5 to 20 or more compartments to choose from, with many constraints and rules to satisfy.

Project Background

JLP has an existing transport management system (TMS) that calculates the compliance of any given load plan, but this has to be done manually. OLM was integrated within the TMS to calculate the load plans automatically. The user interface required only minimal changes, which reduced the need for training and change management.

Project Results

These include:

- a significant reduction in time taken to plan loads from up to 20 minutes per load to less than a minute
- increased payloads of around 200 litres per truck across 150 trucks
- guaranteed compliance with regulations and safety rules