



DYNAMIC TRANSPORT OPTIMISATION

Optimising Transport

Any business that relies on a mobile workforce knows the importance of using that workforce to its fullest potential. In an age of GPS routing and telematics, transport optimisation is the next logical step, providing intelligent decision support for vehicle allocation, routing problems, and delivery scheduling. Transport optimisation analyses complex problems and applies the latest computational power and ingenuity to finding effective solutions.

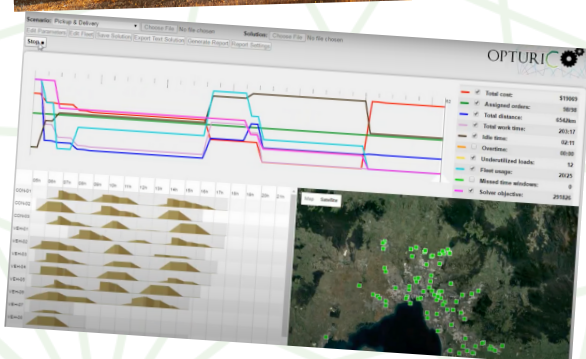
Opturion uses cutting-edge, 21st century technology to save time and money when it comes to transport. Based on Google Eureka award-winning research, the Dynamic Transport Optimiser outperforms traditional transport optimisation systems by around 35% with its innovative approach to problem-solving.

The Dynamic Approach

Conventional transport optimisation ways work in one of two ways. The first is that they do what human decision-makers do, only faster. This method essentially involves automating manual decision-making, and despite being fast and versatile, the results are lacking. Often this method fails to find solutions that are even close to optimal.

The second method has its own drawbacks, relying on highly-specific algorithms that must be tailored to the problem in question. This approach yields more accurate results, but the level of detail required comes at the cost of flexibility, impairing the ability of the optimiser to respond to changing circumstances.

Through advances in artificial intelligence, high-level modelling and hybrid constraint solving, Opturion's Dynamic Transport Optimiser is an accurate and adaptable alternative to the two conventional methods of optimisation. The DTO yields routing solutions that are up to 50% closer to optimal compared to traditional optimisers. Opturion technology helps companies allocate jobs to vehicles, driving fewer kilometres and hitting higher customer service targets.



Success Stories

The Dynamic Transport Optimiser is available to both partners who wish to integrate Opturion technology with their own transport solutions and to end-users who can directly enjoy the benefits of superior optimisation. Companies like CMS and SmartTrans are among Opturion's partners in the transport optimisation sector, incorporating Opturion's dynamic optimisation into the solutions that they supply to industry giants like BayCorp, Fuji Xerox and Schneider Electric.

Opturion customers range over both the for-profit and not-for-profit sectors. Organisations have used the DTO to optimise their performance on every level. On the strategic level, logistics titan Linfox achieved cost reductions of up to 20% thanks to a six-month deployment with Opturion, optimising their fleet allocation and operation.

The dynamic nature of the technology, which allows it to excel at responding to change, also makes it shine when it comes to tactical optimisation. One example of this is the work Opturion did for Howdens, optimising their overnight line haul and daily delivery to ensure compliance and increase customer service. Flexibility is even more important with operational optimisation, where so much hinges on the ability to adapt on the fly.



Other organisations that have experienced the benefits of dynamic optimisation include Coles and Sargeant Transport. The DTO has allowed both to make more deliveries per day, reducing operating costs and maximising fleet potential.

In the not-for-profit sector, the Royal Flying Doctor Service has found Opturion invaluable for optimising the operation of non-urgent patient transport. Dynamic transport optimisation lets the RFDS save both costs and patients as they continue to perform their vital medical work in remote areas.

Further Information

Please contact Opturion for a demonstration, or give us some data that we can use to identify potential benefits.



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