# HERE Tour Planning

## Many-to-many routing for your fleet

HERE Tour Planning is a many-to-many route optimization service that helps transport and logistics companies improve the operational efficiency of routes and lower the costs for their fleets. The algorithm takes into consideration parameters like time windows, job requirements or priorities, driver qualifications, vehicle capabilities, range, and traffic information to organize jobs into tours for each vehicle.
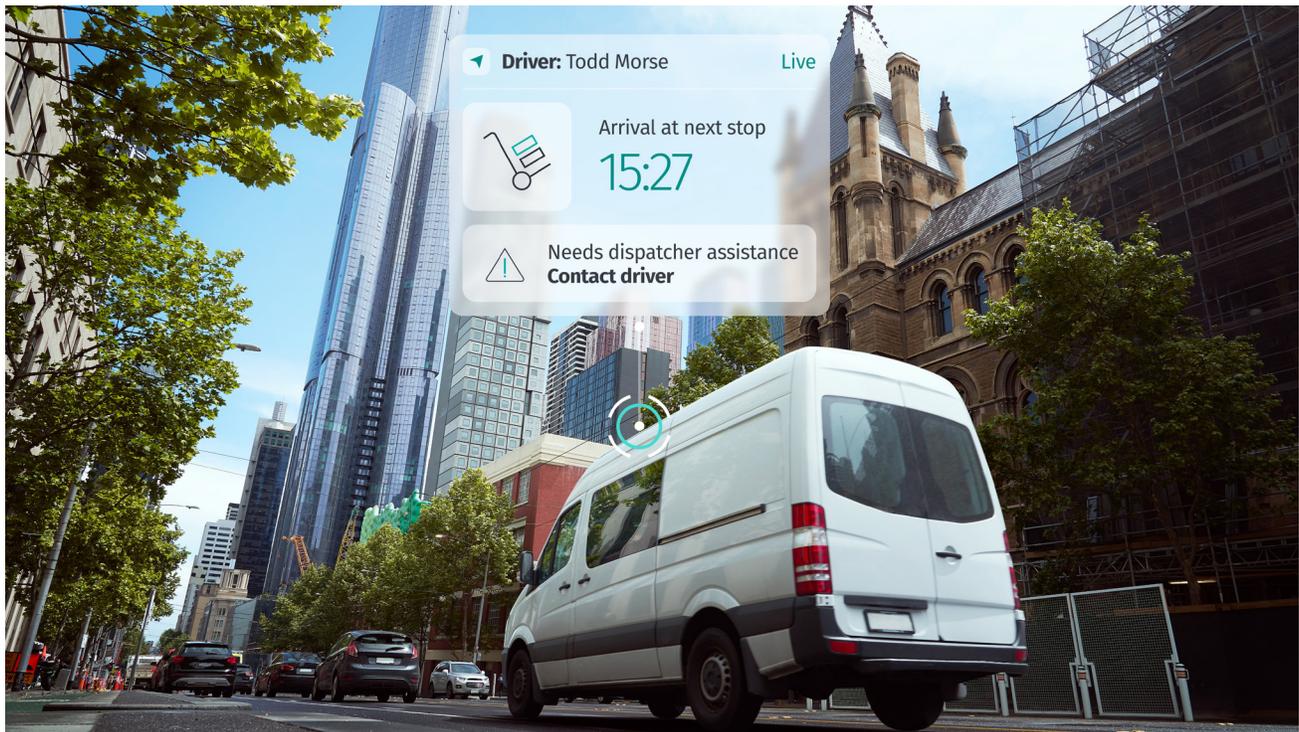


HERE Tour Planning helps to improve customer satisfaction by reducing missed delivery windows and increasing delivery success rates. It also allows for a flexible combination of pickups and deliveries into multi-stop jobs that supports companies in meeting their sustainability goals and operational efficiency targets.

The API uses HERE's leading location services, including real-time traffic, to organize tours in advance: for the next day, the day ahead, the next shift, or even in real time. It defines job lists in a simple format, including location and job type offering. And if any conditions change along the way, HERE Tour Planning supports immediate re-planning to maintain the highest operational efficiency and provide accurate estimated time of arrivals (ETAs).

Want to talk? We do, too. Get in touch here.

# How does the service work?

To create dispatch-ready tour plans, a request to HERE Tour Planning should contain the location of vehicle depots and jobs, the type and number of vehicles in the fleet, and the location and details of the jobs to be organized. Job constraints can include priority, time windows, or special requirements to be matched against vehicle type and driver qualifications.

For on-demand or re-planning scenarios, the currently active tour plan can be fed back into the API together with the last-minute changes (e.g. new orders) allowing for near real-time updates into the already calculated tour. This ensures operational agility and flexibility and helps maintain agreed delivery success rates.

# Product features

→ **Tour planning:** Create cost-efficient plans for every asset (vehicle or driver) in a fleet with a simple call to the API

→ **Multiple vehicles:** The service supports multiple vehicle profiles and their associated constraints (e.g. refrigeration)

→ **Multiple time windows:** Define time windows for individual jobs and shift times to ensure that drivers, vehicles, and jobs are appropriately matched

→ **Enterprise-grade routing:** Tour plans are based on real-time traffic and weather conditions, and can consider truck attributes when generating plans

→ **Dynamic re-planning:** Once tours have been created, this plan can be fed back into the tour planning algorithm together with the new job entries to produce updated tour plans

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