

CASE STUDY

How DPD France optimises its last-mile deliveries with the Kardinal solution



Context

Faced with volatile activity, parcel-delivery players must innovate every day and adjust their processes and methods.

This is why DPD France chose to adopt the Kardinal solution to segment its depots' territories and optimise its routes.



KEY FIGURES · DPD FRANCE

350 000

parcels per day

4 000

drivers

72

depots

5 000

delivery routes

The industry's challenges

01 Subcontractors need to reduce their operating costs and optimise their operations.

02 High turnover and a driver shortage: retaining them is a major challenge.

03 A tight transport-subcontracting market where players' profitability is under pressure.

04 Transforming fleets towards greener vehicles.

05 Static dispatch, with dynamic optimisation impossible.

06 Depot managers struggle to make data-driven decisions, especially when negotiating with providers.

Optimising and scheduling our delivery routes is at the heart of our priorities. We decided to rely on Kardinal's expertise to take a major step forward in these areas, always with the goal of improving our customers' experience.

 **Samuel Gangnant** CEO of DPD France

How does DPD France optimise its operations with Kardinal?

Optimising the territory design of delivery depots



● BEFORE KARDINAL

Territory design was done manually, with no visibility into how territories were organised relative to parcel volumes and their fluctuation. The exercise took a lot of time for rarely optimal results, and was therefore seldom challenged.

✓ WITH KARDINAL

Depot managers get an optimised territory design that minimises costs and parcel-volume fluctuation per sector, accounting for pickups in each sector, traffic, driver working hours and vehicle capacities. They can adjust individual sectors when needed and see the impact of their changes on costs.

RESULTS

✓ Fewer routes

✓ Lower OPEX

✓ Flexible, easier decision-making

Relocating a depot or opening a new sub-depot



● BEFORE KARDINAL

Depot managers had no data to locate a new depot. Every change meant redesigning the entire territory and redefining the fleet by hand: decisions made blindly and time-consuming.

✓ WITH KARDINAL

Depot managers can test different hypotheses for the location of a sub-depot within their territory. They can easily identify the most cost-effective option and instantly obtain the corresponding optimal fleet composition and territory design.

RESULTS

✓ Time saved on impact studies

✓ Lower OPEX

Optimising and converting the vehicle fleet



● BEFORE KARDINAL

Building an optimal fleet, both economically and environmentally, is a major last-mile challenge, all the more so with the arrival of electric vehicles. Analysing by hand the impact of a conversion on costs and territory design remains complex and slow.

✓ WITH KARDINAL

Kardinal's solution identifies the best combination of vehicles and defines the territory each vehicle type should cover. Depot managers understand the impact of introducing a new vehicle on their costs and the organisation of their territory.

RESULTS

✓ Time saved on decision-making

✓ Cost optimisation and CO₂ reduction

Optimising transport procurement and negotiation with subcontractors



● BEFORE KARDINAL

Depot managers had no access to the data they needed to make decisions that optimise costs while building trust with subcontractors during negotiations.

✓ WITH KARDINAL

Depot managers estimate the transport costs of the area (aggregated and per route) and receive optimisation recommendations. Negotiations with subcontractors are now based on data, improving the carrier / subcontractor relationship.

RESULTS

✓ Lower costs through stronger negotiating power

✓ Better collaboration between carriers and subcontractors

DPD France: a successful implementation of the Kardinal solution

6 depots deployed per week

For a total of 72 depots.

145 users

Depot managers, operations managers and dock supervisors.



No IT integration required

Importing an Excel / CSV file is enough for a working optimisation from day 1.



Training & support

On-site training at each depot & daily support.





Ten years of logistics optimisation, within reach.

For ten years, Kardinal has solved the logistics problems that generic solutions work around: real operational constraints, complex operations, actionable results.

Two ways in: our API for teams who build, our experts for those who want to be supported.

GET IN TOUCH

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