



The Autodispatch project marks another step forward in the innovating partnership between Enedis and Mobility Tech Green.



Launch of the project

2018



Sector

Technical vehicles



Objective

Maximise the rounds of the technicians and minimise unforeseen events.



Results

Today, Phase 1 of the test with Enedis is over and the optimisation algorithm of the rounds is functional. The module is directly incorporated into the e-Colibri interface. The second phase will begin on the second quarter of 2019.

The partnership between Enedis Bretagne and Mobility Tech Green

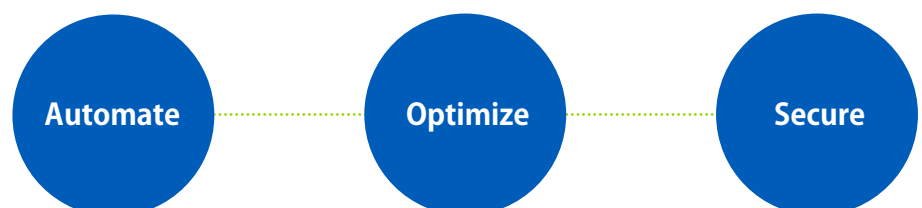
Enedis first heard about us in 2016 thanks to our e-Colibri™ carsharing solution. The expansion of equipped vehicles on various French sites of the public electricity distribution group enabled them to fully assimilate the managing tool. After two years of partnership, a strong communication with Enedis teams pointed out specific needs in terms of fleet management. These needs were challenges we could address thanks to our expertise and our ability to elaborate specific developments.

Characteristic developments to match unique sector-specific challenges

Les problématiques métier d'Enedis

Enedis' major challenge was about the allocation of technical vehicles in the morning, when employees left for their intervention. Until then, the repartition was planned manually every day by the direct manager, with a table gathering every key of the vehicles of the fleet. In addition to being a very long process, there was room for the unexpected: missing keys, a vehicle that was physically here but damaged, etc.

Enedis already had a managing tool for the planning of the rounds of its employees, but was looking for an additional module in order to dispatch in an automated way the right vehicle loaded with the right equipment to the right technician to go on the right intervention. This was a means of saving some time, for the managers as well as for the technicians, while maximising the technical vehicles fleet.



“The idea is to facilitate and automate the planning of the vehicles depending on the interventions planned by the activity steering unit, as early as possible.”

Pascal Lecomte
Intervention Agency Manager in Ile et Vilaine for Enedis

Benefits for Enedis



The allocation of the vehicles with the right equipment is automated, which avoids a repartition of the vehicles in the morning.



Technicians are sure to leave with the right vehicle for their intervention.



As one vehicle is guaranteed for each intervention, cancellations due to a lack of vehicles are reduced.

The solution: The Autodispatch project

It was based on that idea that the thinking around Autodispatch first began; a co-built project by Mobility Tech green and Enedis teams, organized around an algorithm developed by our technical teams.

This algorithm connects their internal round planning tool with e-Colibri™, our carsharing solution, which, at this time, partly manages their service vehicle fleet. By studying the history of the interventions lead from the operational base over the past two years, the algorithm performs machine learning in order to refine its answers as it gradually develops. It is then able to offer, for each round planned with a technician, the right vehicle loaded with the right equipment.



It is therefore a true partnership between our two teams, on our side because we need to assimilate the specific technical language used by Enedis, and on their side to provide us with the data required for the proper functioning of the algorithm.

The test will start on the second quarter of 2019. Car sharing led to this specific market approach. It was thanks to our experience as an informatics engineering specialised company and by developing made to measure solutions that we were able to provide an adequate response.

Today, the Autodispatch module is integrated into our e-Colibri™ platform but tomorrow, it will be directly integrated into Enedis' round planning tool, in order to make the vehicle allocation process flow better.




Who are we?




Mobility Tech Green, founded in 2006, is an engineering company specialised in B2B car sharing which now offers a global expertise in professional shared mobility.

Thanks to our team of experts, benefit from a reliable solution and a complete follow-up of your project.


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A reproducible project

Although the Autodispatch project is market-specific for the challenges encountered by Enedis in terms of allocations of vehicles, it can also be used for different types of professional vehicle fleet, as the algorithm, the heart of this project, stays the same.

What will differ depending on your needs is the knowledge base, the data base provided by the customer, from which the algorithm will feed to be able to automatically proceed to the repartition in the most efficient way.

Thus, this type of project can of course concern major accounts with great needs in terms of intervention planning. But more widely, any company facing round challenges (for deliveries for example) could be interested.