

DREAL Nouvelle-Aquitaine: Development of a Carpool Lane

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To alleviate congestion on the A62 motorway approaching Bordeaux, the development of a carpool lane was planned. Various development scenarios were quickly simulated thanks to Neovya Hubsim, an intuitive, user-friendly, and highly efficient tool.



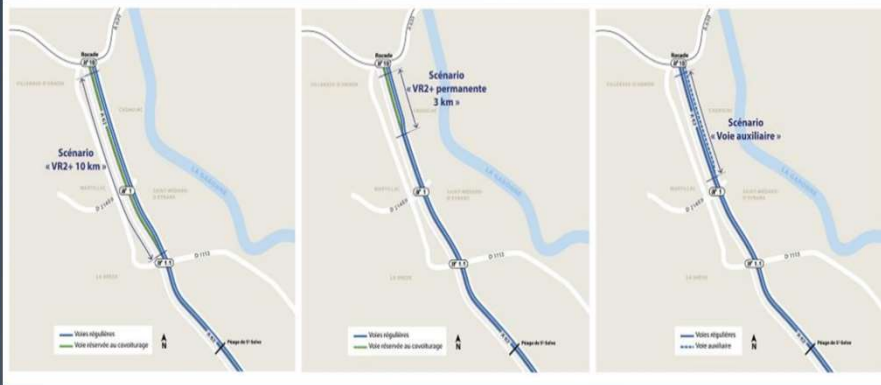
CHALLENGE

As a thoroughfare for commuters heading to the Bordeaux ring road, the A62 is challenging to decongest. DREAL Nouvelle-Aquitaine aims to introduce a carpool lane to alleviate traffic. Neovya was called upon to simulate the impact of this carpool lane on traffic flow under three different scenarios.



SOLUTION

DREAL Nouvelle-Aquitaine aims to test the impact of three different infrastructure scenarios on traffic through dynamic simulations. Leveraging unparalleled computational speed in the market and its Macrovia calculation engine directly integrated into Hubsim, Neovya Hubsim enabled a macroscopic analysis of reserved lanes over two time horizons. The assumptions and simulations were shared with the stakeholders involved in the operation.



About our customer

DREAL Nouvelle-Aquitaine is a regional directorate responsible for implementing public policies in the areas of environment, land use planning, and housing within the Nouvelle-Aquitaine region.



FUNCTIONALITIES



Integration on Neovya Hubsim



Configuration of the traffic model and dynamic simulation of the current situation.



Establishment of reference scenarios for the implementation of HOV lanes across two time horizons



Advanced analysis of the impact of reserved lanes on traffic flow.



Numerous maps, charts, tables, indicators



BENEFITS

- Rapid processing with an ultra-fast dynamic macroscopic simulation model.
- Transparency in assumptions and simulation results through the sharing of simulations
- Direct client access to Neovya Hubsim during the study
- Expert analysis from the Neovya team on carpool lanes, based on their experience with various reserved lane projects they have managed.