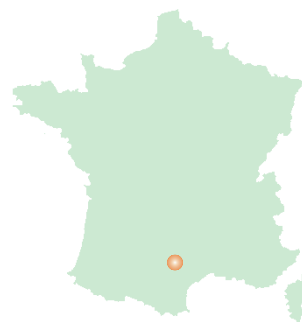




CASE STUDY



Technical expertise about the circulation around the hub of Bussy-St-Georges train station

The project was to create a hub around the train station, to optimize the train station access and to share equally roads and space between walkers and vehicles.

First, CeRyX Traffic System participated as sub-contractor in the main contractor group of companies, to study the traffic circulation. Second, one year later, the Contractor Authority asked for CeRyX Traffic System to analyse scenarios that have been proposed during the phase of consultation.

PROJECT DETAILS AND BACKGROUND

The Bussy-Saint-Georges train station is increasingly visited and caused congestion of the closed bus station. This situation is dangerous for travellers crossing the bus lanes without visibility.

A group of companies has been chosen as main contractor, with one architectural firm, one "roads and network" technical office and one landscaper. The objective was to create a second access to the train station at the opposite of the first access and plan areas around.



The mission of CeRyX Traffic System was to validate the propositions of the architectural firm (technic and functioning) and to convince the bus operator that these propositions were the best solutions.

ANALYSIS AND METHODOLOGY

Bus station functioning analysis

- Diagnosis of the existing situation
- Dysfunctions statement
- Constraints and requirement definition

Analysis of the architectural firm project propositions

- Calculation of the potential deviated traffic
- Estimation of the benefits for the bus exploitation and the public transport commercial speed according to the new planning and during work phases
- Participation to the hub contract writing
- Propositions for the crossroads functioning

These 2 missions happened between 2013 and 2014.



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SOLUTIONS DELIVERED

- Definition of new bus route during work phases and at the end of the project
- Functional propositions for crossroads: implementation of priority system at the dedicated lane exit
- Participation to assign bus lane to the more appropriate bus platform but without forgetting the possible exchange of bus lanes, to keep the actual functioning facilities
- Proposition to optimize the exit of the carpark relay
- Participation to the multi-criteria analysis of the alternative scenarios established during the consultation phase



2015/2016: CeRyX Traffic System was requested to study new functioning propositions, submit by the inhabitants, who were opposed of creating a dedicated bus lane on the actual free area.

CeRyX Traffic System analysed the essential functioning criteria of the bus station. A multi-criteria analysis has been given to the contractor authority, after partners' consultation.

A public meeting has been organized to present results and the selected scenario.

Les critères d'analyse du projet

