A realization of 1Point2

Designation: **Travellers in Metro Stations**	
Client: Arcadis for Tisséo, Jean-Rémi Vabre	Date: 2019-2021

Brief description of the project:

The Toulouse metropolis has revised and developed its public transport network. After participating in some flow studies during the renovation works of the Toulouse Matabiau multimodal station, 1Point2 was in charge of simulations to better understand the flow of travelers in the new stations of the 3rd metro line (south-east).

For each station, and especially stations in connection with the public transport network in heavy modes (SNCF stations and halts, CLB), it is above all a question of studying the flows during the morning and evening peak hours.

Depending on the profiles of the users (preference for mechanized equipment, walking speed, etc.) and the distribution of "get on/get off/change line", fluidity and comfort can vary greatly, but it is above all a matter of confirming or revising architectural options.

The most important crossings of flows often take place at the access to the station. As many travelers get off a metro train, difficult crossings are observed, and conflicts with people entering through the composting turnstiles. The position of a station on the network has a great influence on flows, some stations being used more than 80% by commuters.

In the design of vertical circulations (stairs, escalators, elevators) it has sometimes been appropriate to replace one dedicated 140cm wide escalator with two escalators 80cm wide, or to improve the signage and accessibility of secondary stairscases.