« DOING TOGETHER » FOR A SMARTER MOBILITY IN SMARTER CITIES

November 2019
Located in the LYON region (French 2nd city)
=> the biggest urban mobility/transportation cluster in France
=> hotbed of the 1st autonomous shuttle (NAVYA) in the world
including an open road activity
SOCIAL CHALLENGES AND TRENDS INFLUENCING URBAN MOBILITY
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Cities today…

- Earth’s surface: 2%
- World population: 50%
- Global energy consumption: 75%
- Global CO₂ emissions: 80%

…and by 2050

- World population: 70%
- Per capita commuting delay to double over 100h/year: x2
Growth in urban travel needs has been much faster than the development of transport infrastructures.

Up until now, very little work has been done on how to integrate the technical, economic, social and policy considerations to create a viable mobility system that meets the dynamic needs of a changing world.
Looking at the *mobility system as a whole* is necessary to make great leap in progress.

The need is to identify new mobility solutions which enable a *sustainable integrated urban mobility*. 
- Within the biggest transportation and mobility cluster
- Private Co. & Public sector joined their forces to face the challenges
- Need for a new place and physical space to think, design and experiment new mobility solutions
A UNIQUE PLACE IN EUROPE

A UNIQUE EUROPEAN HUB to design, test, experiment and showcase new mobility solutions with a SYSTEMIC APPROACH

INDUSTRY
ACADEMIA
RESEARCH
CITIES
CITIZENS
What makes TRANSPOLIS unique

Open-innovation + experimentation

Global playground of 80 hectares

Urban environment with a « FAKE CITY » like a movie studio

Commitment of cities/region/gov.
- Autonomous vehicle and connected cars,
- Traffic management,
- Tolling and congestion charging,
- Multi-energy station,
- Vehicle tracking
- EV charging infrastructures,
- Delivery services,
- Urban lighting,
- Other future interesting topics…
TRANSPOLIS future « Committee of Cities »

- Building a core group of 10 international cities
- Current public authorities committed are mostly French
- Discussion in progress with international cities and small countries
TRANSPOLIS future « Committee of Cities »

- A dialogue between cities and « industry » players

- **For industry players**: understanding the mobility issues and challenges of the cities - Improving the adoption of new solutions by the cities - Inventing new business models and/or services around mobility services

- **For cities**: understanding the new technologies/solutions and their value creation - make sure that the solutions are a source of value creation for citizens - validate the robustness and safety of the solutions (ex KEOLIS NAVYA)
Contact

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