



TRANSPOLIS

**« DOING TOGETHER »
FOR A SMARTER MOBILITY
IN SMARTER CITIES**

November 2019



TRANSPOLIS

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...

...and by 2050

Earth's surface

2%

World population

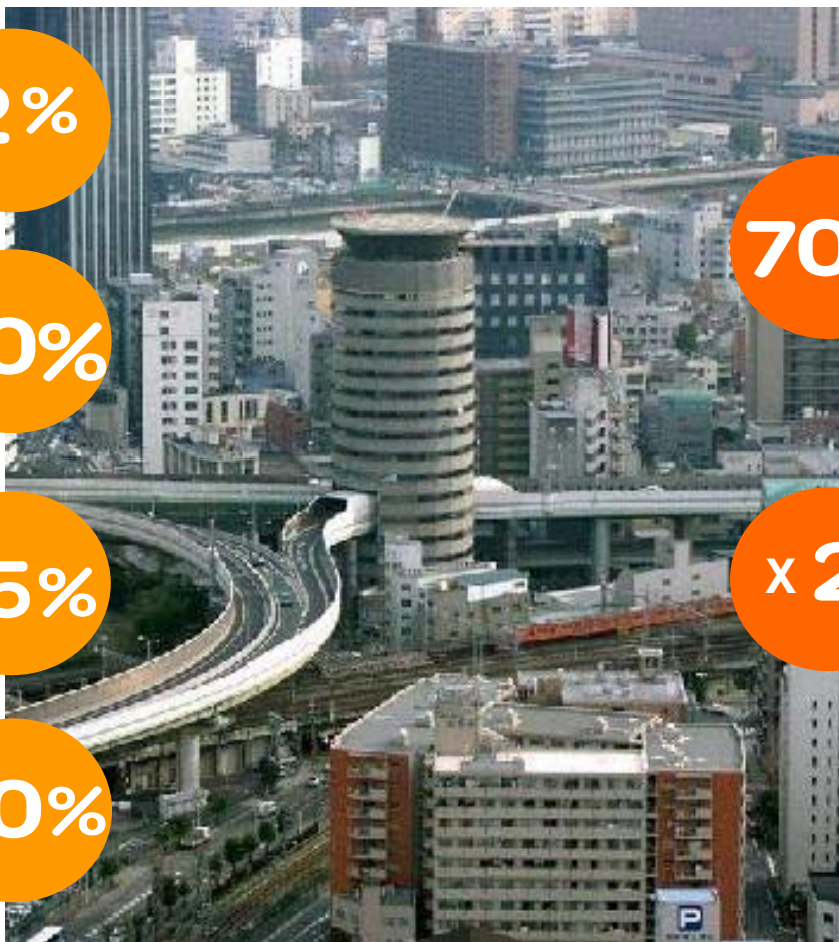
50%

Global energy consumption

75%

Global CO₂ emissions

80%



70%

World population

x 2

Per capita commuting delay to double over 100h/year



MOBILITY ISSUES

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.



MOBILITY ISSUES

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*.



A VISION IN 2008

- **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

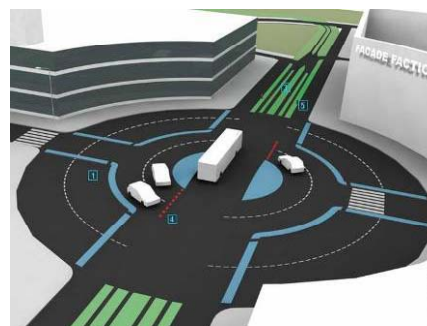
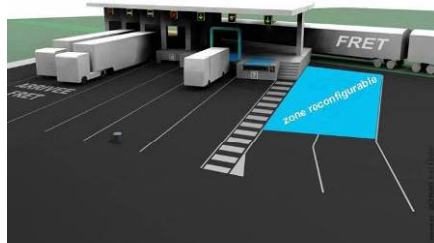
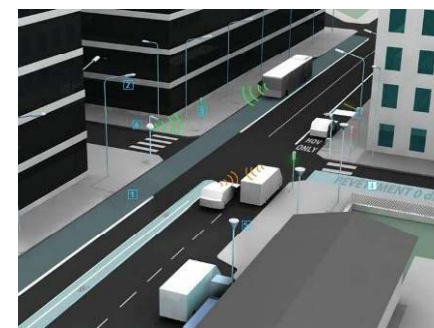
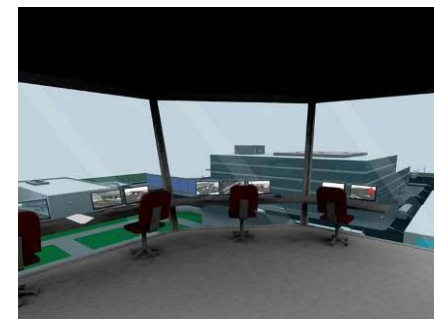
**Urban environment with a « FAKE CITY »
like a movie studio**

Commitment of cities/region/gov.



A SCIENTIFIC COMMITTEE TO DEBATE SOME TOPICS

- 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 & CITIES

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**



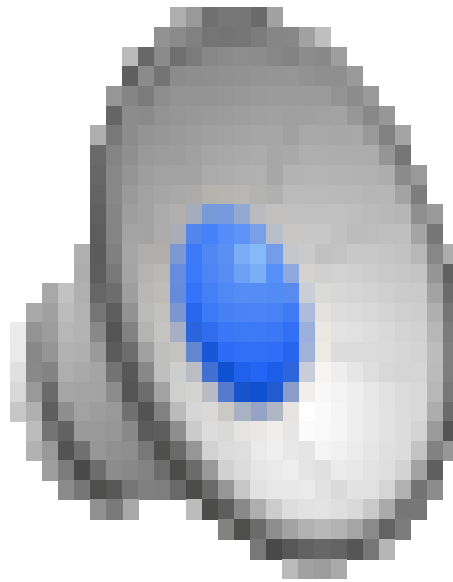
TRANSPOLIS & CITIES

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)



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