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AUTONOMOUS VEHICLES: A GAME CHANGER FOR URBAN MOBILITY AND PUBLIC TRANSPORT

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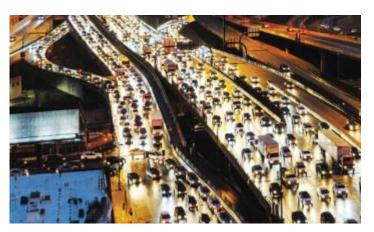
UITP: A WORLDWIDE ASSOCIATION



























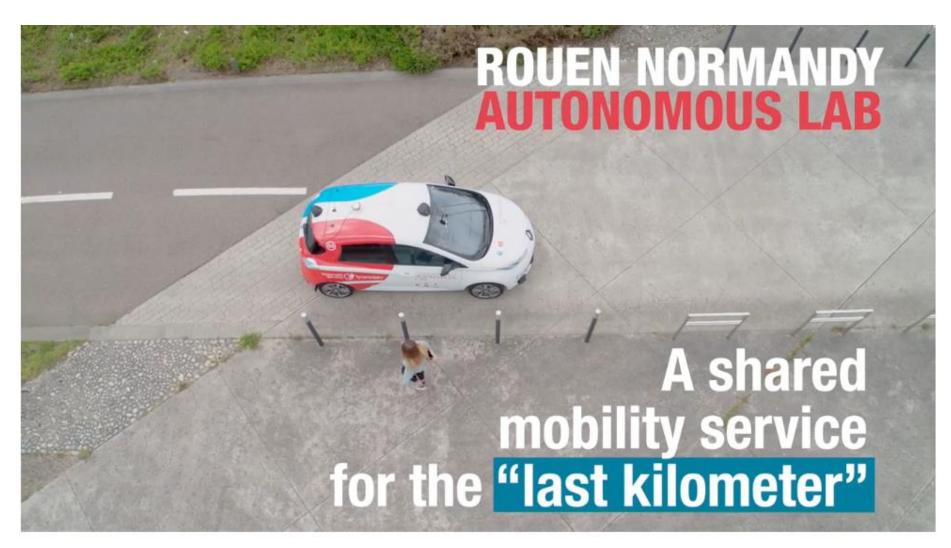




#Let's move PEOPLE, not cars!



VIDEO : AUTONOMOUS DRIVING EXPERIMENTATION IN ROUEN FRANCE





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> 1. RESHAPE STREETS AND INTERSECTIONS

#Safety cars and Safety streets



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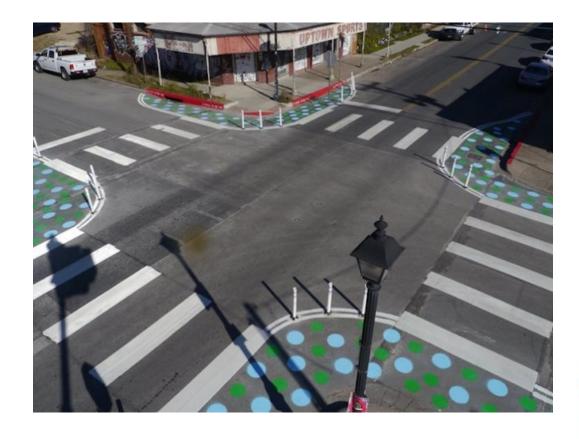
We are working to enhance quality of life and economic well-being by supporting and promoting sustainable transport in urban areas worldwide













1. RESHAPE STREETS AND INTERSECTIONS







2. ENCOURAGE SHARED MOBILITY



2. ENCOURAGE SHARED MOBILITY

- High quality public transport is the only alternative able to fulfil the lion's share of trips by using a minimum of space
- Without public transport, other sustainable & innovative mobility services cannot offer an affordable alternative to car ownership





PT is the backbone of integrated urban mobility

2. ENCOURAGE SHARED MOBILITY

Combined Mobility

- = A real alternative to the private car
- = Flexibility + convenience
- = Door-to-door solution

WalkingPublicPublicBike-sharingCar-sharingRide-sharingRide-sharingOn-demand transport





SAFETY? > AVs are only part of the solution

> We need also to3. DRIVERS' & PEDESTRIANS' BEHAVIOUR







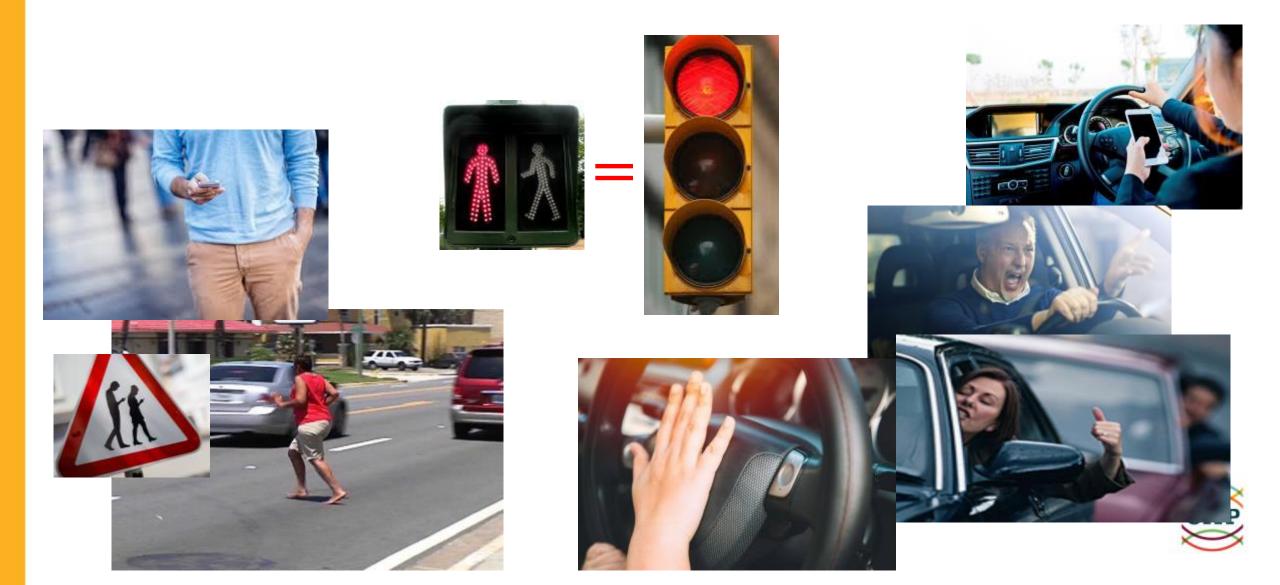








FOCUS ON PEDESTRIANS AND DRIVERS



4. USE TECHNOLOGY WHISELY



3. TECHNOLOGY => AVs?

AVs

- Will dramatically change the mobility of the future
- Will potentially bring, a service for everybody, anytime, anywhere
- Will probably need regulation
- Represents new business opportunities, but also risks

Singapore's self-driving cars can now be hailed with a smartphone

NuTonomy joins forces with 'the Uber of Southeast Asia'



All Tesla Cars Being Produced Now Have Full Self-Driving Hardware

The Tesla Team October 19, 2016

TESLA



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Audi begins to test L4 by the end of 2017





NDIVIDUAL AV: CHALLENGES FOR CITIES

Decrease:

- Traffic jams
- Pollution
- Accidents
- Cost of mobility
- Increase of individual comfort:
- Time saving
- Smart driving
- Personal preferences
- Freedom

Consequences:

- More purchase of cars
- Average AV drives more
- Empty cars on the road
- Urban sprawl
- Loss of public space
- Decrease of use of PT, walking and cycling

UITP STANDS FOR AUTONOMOUS SHARED MOBILITY



> AUTONOMOUS SHARED VEHICLES: ALREADY HERE











ROAD TO SPACE (SHARED PERSONALIZED AUTONOMOUS CONNECTED VEHICLES)





AV fleets integrated

SHARED • PERSONALIZED • AUTONOMOUS • CONNECTED • VEHICLES

CONNECTED INFRASTRUCTURE

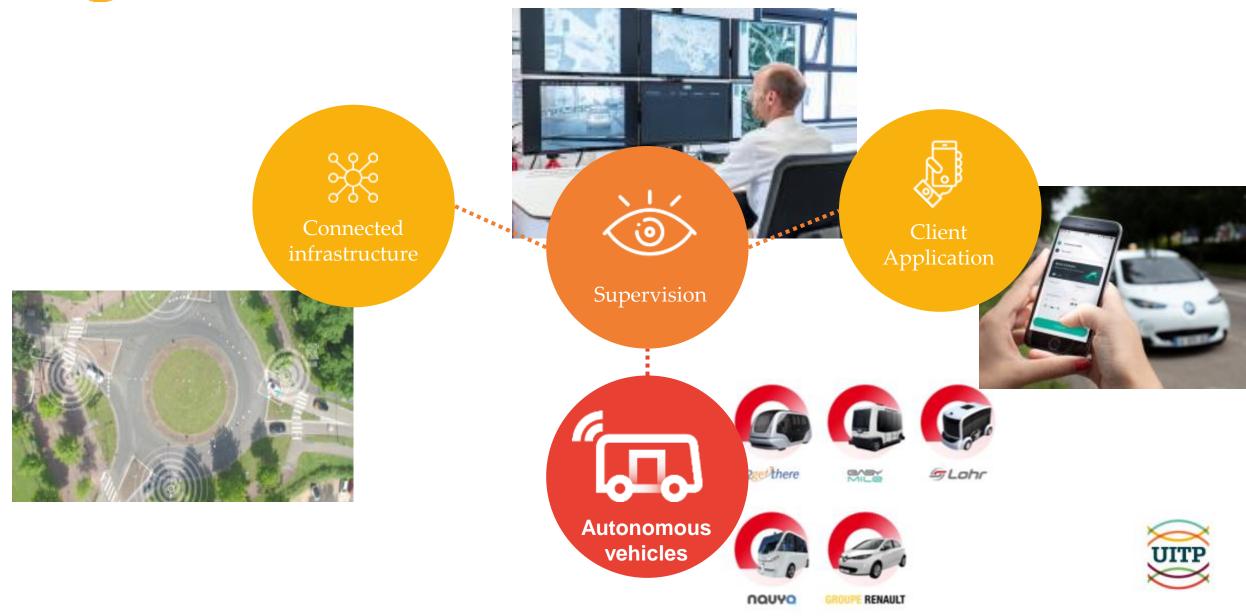








OUTONOMOUS TRANSPORT SYSTEMS



ACTION NEEDED

RESHAPE STREETS AND INTERSECTIONS
 ENCOURAGE SHARED MOBILITY
 CHANGE DRIVERS' & PEDESTRIANS' BEHAVIOUR
 USE TECHNOLOGY WHISELY







Thank you! Questions?

The only goal when developing the city's mobility policy:

> Offer your citizens the possibility to live and work in your city without owning a car!