

**Will robots be good drivers ?
THNS in the distance: could we take
account of the advice of
participants who can't move ?**

A Sino-French Platform

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Summary of the presentation

Article of Hervé de Tréglodé (CGEDD)

Will robots be good drivers ?

THNS

Will this platform be useful for attending and not-attending participants ?

Will the robots be good drivers ?

There are already robots on roads

No driver ? Drivers in the distance ?

Are the robots able to improve road safety ?

There are robots on the roads

USA, Mines in Australia, Europe, China, Korea, Japan

Vehicles presented on ITS world Congress in Bordeaux 2015 are now operated as a shuttle in Lyon

The whole car industry, but also infrastructure managers and public transport organizers are deeply concerned by the robots.

A question: are the robots able to improve road safety ?

The road safety in the world today

1,25 Millions deaths on the roads

Half are «vulnerable »(eg pedestrians in cities)

In Europe, number of death per billion of passenger*km:

- **0,35 by plane**
- **0,5 by rail**
- **0,7 by bus**
- **7 by car**
- **140 by bicycle**

Difficult to reduce these differences if robots are on same roads as driven cars

The robots on robotised roads ?

It creates new conditions:

- **For the car manufacturers**
- **For the infrastructure managers**
- **For the transport planners**
- **Entrance of new actors ?**
- **Training of different kind of «drivers »**
- **Business models ?**
- **Environmental impacts ?**

It could be a way to imagine, in a transition period, conditions for security/ safety evaluation and certification of components of a new « road system »

THNS in the distance ?

THNS : Creation in the frame of the sustainable urban development agreement

THNS in 2010: Shanghai EXPO

THNS in Shanghai ? THNS out of Shanghai ?

THNS 2015 in Paris

THNS 2016 in Shenzhen inside CINEV

A multi-purpose platform ?

THNS for participants who can't move ?

It already exists:

**Discussions on complex matters imply many persons
and exchange of documents.**

**THNS was created in the frame of the Sino-French
sustainable urban development agreement**

**News about this agreement were given by Christian
LEVY (CGEDD) on Friday 9th: ISO standard adopted by
48 countries.**

**New agreement for Transport in 2015. French
coordination by Michel ROSTAGNAT (CGEDD)**

THNS as a platform ?

In 10 years, the conditions and objectives of international discussions have changed: Instant messages, documents on platform, implication of many actors for more global projects:

Environment, pollution, emissions...

Mobility and its economy

Training, competences, talents...

Evaluation, data, transparency

Finance and governance

....

A multi-purpose platform ?