

# AUTONOMOUS DRIVING : A REVOLUTION FOR MOBILITY

**REMI BASTIEN**

AGVP PROSPECTIVE AUTONOMOUS DRIVING

# AUTONOMOUS DRIVING MORE AND MORE ON STAGE

JUNE 2015

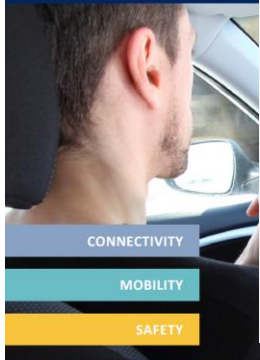
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FEDERATION INTERNATIONALE  
REGION I - EUROPE

POLICY POS



CONNECTIVITY

MOBILITY

SAFETY

2015 TOKYO MOTOR SHOW

## Nissan IDS Concept an autonomous-driving Transformer

Concept showcases Nissan's bold EV, self-driving ambition



Nissan CEO Carlos Ghosn presents the IDS concept at the Tokyo Motor Show.

Source: Nissan

Zetsche used this year's Consumer Electronic Show in Las Vegas to debut the

Automotive News World Congress in Detroit in January. Marchionne was asked

Google



semi-autonomous driving in the S class is part of driver assistance package 1,678 euros in Germany.

wheel

more cautious



16/12/2015

CONFIDENTIAL  
PROPERTY OF GROUPE RENAULT

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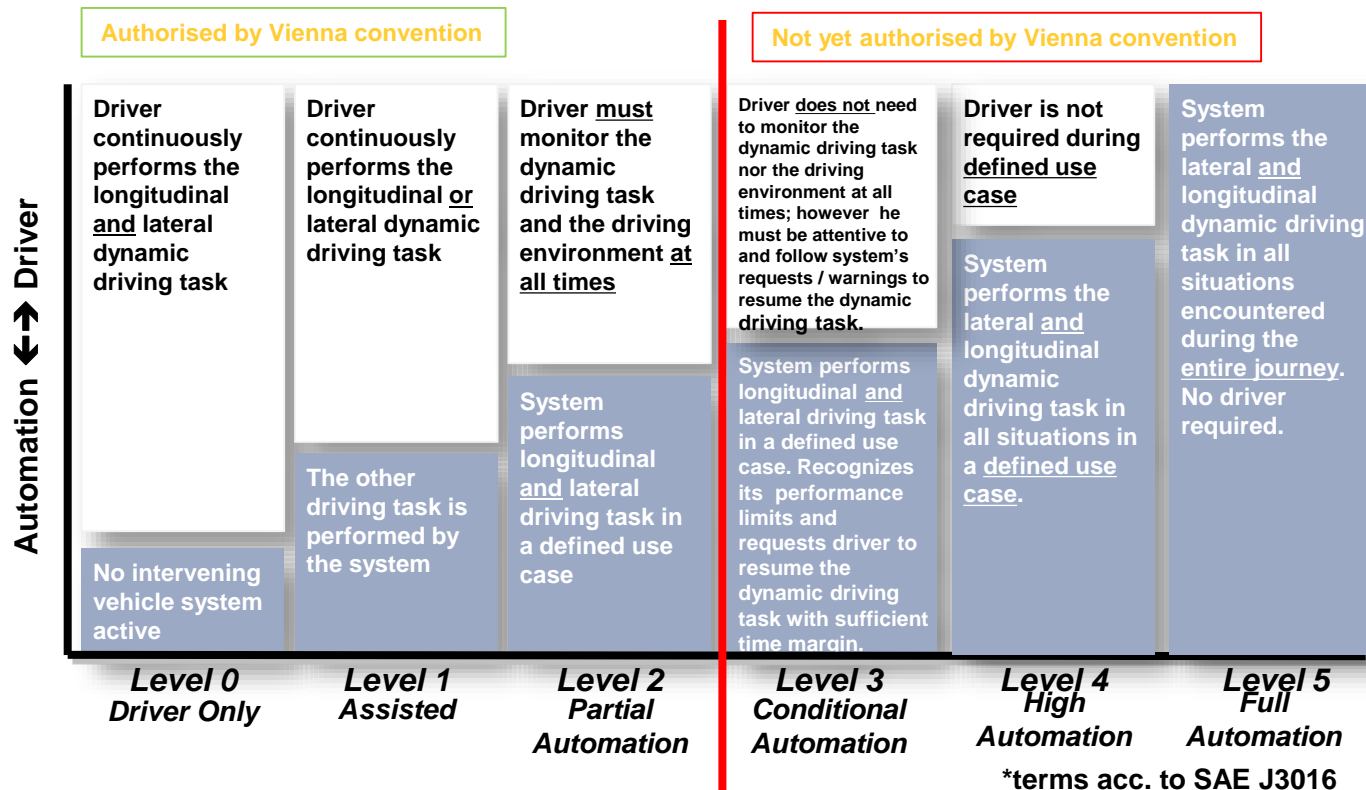
GROUPE RENAULT

# FOUR HIGH STAKES FOR MOBILITY

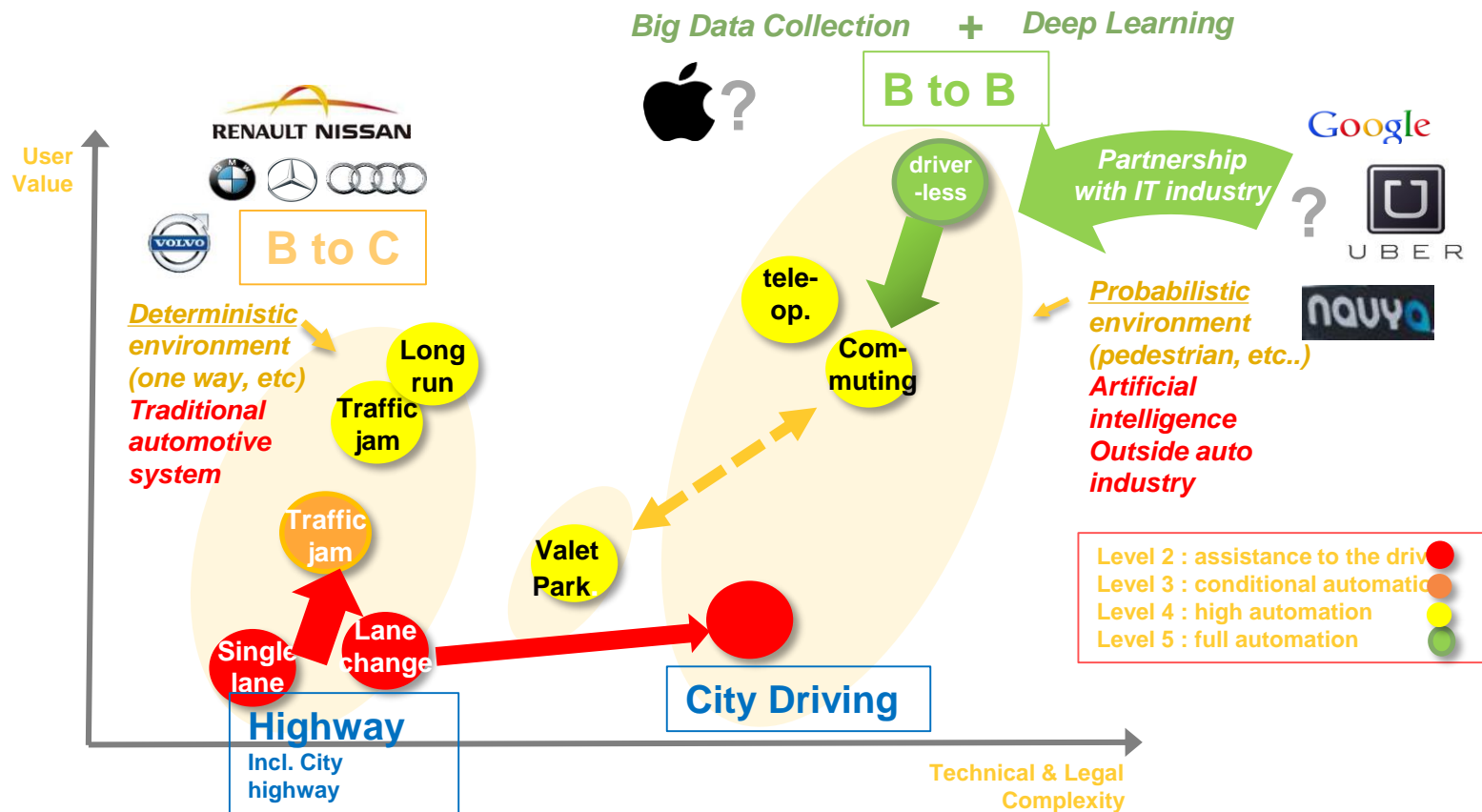
- **90% accidents due to human errors**
- **78 minutes each day in car, in Ile de France**
- **45% of french population with access to public transport**
- **30% to 60% delivery time for driving in urban city**



# MAJOR CHANGE STARTS FROM LEVEL 4 (SAE)



# TWO MAJOR FIELDS FOR AUTOMOTIVE CAR MAKERS



# VALUE OF AUTONOMOUS DRIVING

## AUTONOMOUS DRIVE

SAFETY  
BENEFIT



STRESS-FREE  
BENEFIT



FREE TIME  
BENEFIT



## MANUAL DRIVE

DRIVING PLEASURE



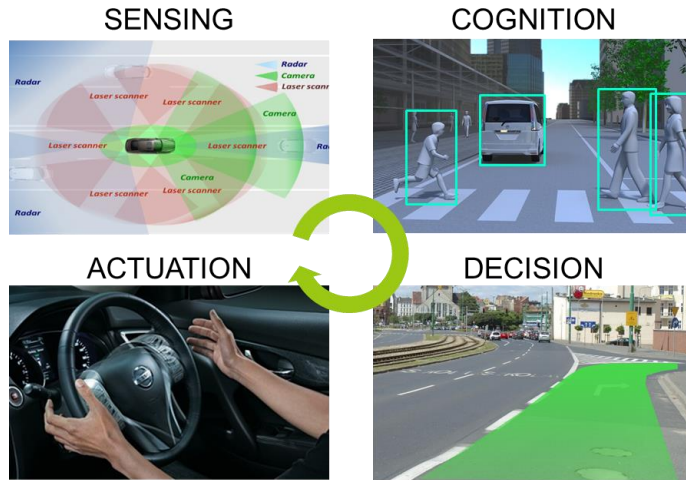


# NEXT TWO : our vision for AD



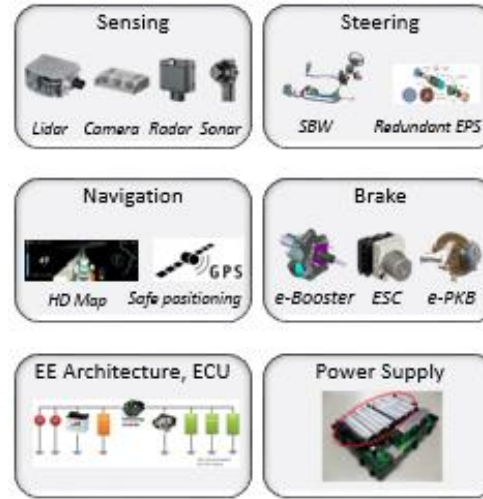
# PLAN OF TECHNOLOGY DEVELOPMENT

## Core technologies



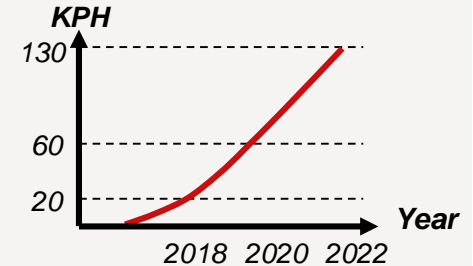
## Platform enhancement

### Redundancy



### Response time

High-Level Delegation Speed





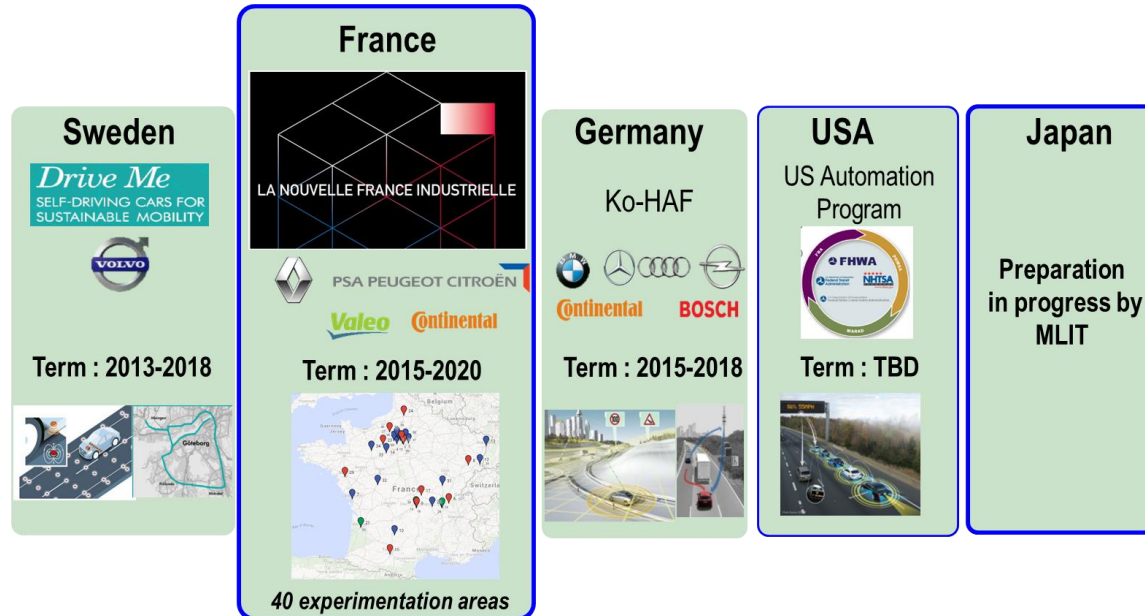
# SUCCESS CONDITIONS : SOCIAL ACCEPTANCE & EXPERIMENTATION

## Social acceptance

- Regulations
- Product Liability
- Infrastructure
- Insurance
- Consumer awareness
- Driver Education

## Experimentation

- Proof by FOT on certified roads



# CONCLUSION

- **Autonomous Driving is a major breakthrough in the usages**
- **The acceptance by the society is the key issue beyond technology**
- **Mobility becomes a system of system, and AD will play a key role.**
- **RENAULT in the Alliance is in the race for AD**

# THANK YOU FOR YOUR ATTENTION !

