WHY C-V2X: A GLOBAL OEM PERSPECTIVE

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A DEEP MUTATION IMPACTING THE AUTOMOBILE WOLRD



The car will more change for the next 10 years than over the last 30 years

WHY V2X ? CONTENT & OBJECTIVES

V2X direct communications allow vehicles to exchange information with other vehicles, from different OEM, and with pedestrian devices



Automotive safety, Automated driving, Traffic efficiency

Groupe PSA is developing variety of V2X and ADAS applications, using wide array of technologies



Safety to our Customers, **Enhanced Connectivity**



CUSTOMER BENEFITS

- The car is able to detect what the driver can't see and anticipate potential risks
- The driver can rely on the vehicle which informs him in real-time
- V2X communication complements
 the capabilities of the autonomous cars
 sensors by providing 360-degree non-line-of
 sight awareness, extending a vehicle's
 ability to "see" further down the road

USE CASES

- Slow or stalled vehicle warnings or traffic alerts
- Emergency brake warning
 - Left Turn Assist
 - Insertion
 Mouvement Assist
 - Signal Phase and Timing





GROUPE PSA's TECHNOLOGICAL PRIORITIES

- 2 main candidate technologies : WIFI-ITS and C-V2X
- Groupe PSA is studying both technologies:
 - WIFI-ITS with SCOOP project
 - C-V2x is studied in different projects and alliances
 - Experimentations with partners





GROUPE PSA's STRATEGY

 China: early 5G deployments of products and features will require these functions around 2020



The technology is slated to come out in 2020. It will be first rolled out in the Chinese market.

- Europe: still interested in 2 different technologies for Intelligent Transport Systems (ITS): 3GPP LTE-V2X and IEEE 802.11p.
 - Delegate Act planned this year within European Commission Scope.



This connectivity system will be needed to deploy the autonomous driving. The deployment is expected by 2022 in Europe.





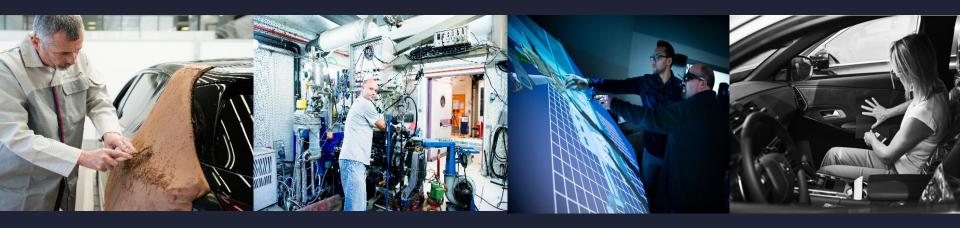












WE DESIGN UNIQUE AUTOMOTIVE EXPERIENCES

