THE FUTURE OF THE AUTOMOBILE

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Executive Vice president for Quality and Engineering



CONFERENCE SIA – ESTACA, 8th November 2017

A FAST-CHANGING WORLD





A DEEP MUTATION



IMPACTING THE AUTOMOBILE WORLD



GROUPE PSA ENGINEERING : THE CORE TECHNO STRATEGY



GROUPE



CLEAN TECHNOLOGIES



PSA GROUP ENGAGED FOR A DURABLE MOBILITY

A SOLID TRACK RECORD IN BRINGING CLEAN TECHNOLOGIES TO THE MARKET



GASOLINE PURETECH

DIESEL BLUE HDI FOR ALL OUR DIESEL ENGINES

2015 2016 2017 CATEGORY : 1,0L TO 1,4L



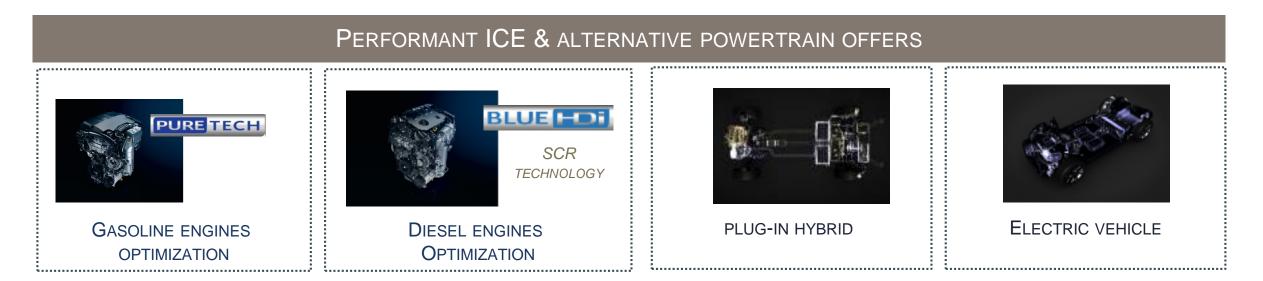
Gen. I : 2013 Gen II : 2017



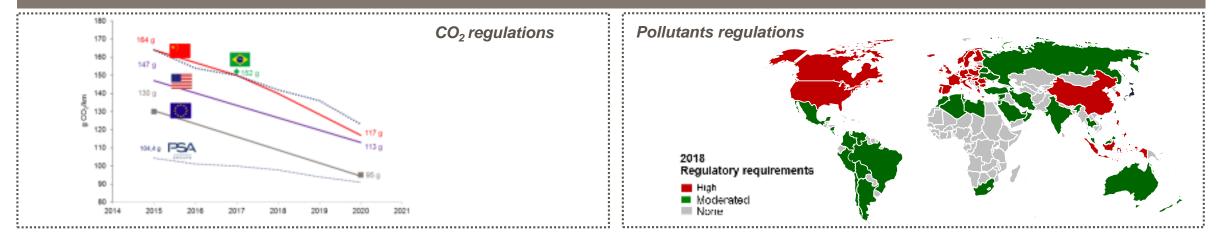
Gen. I : 2013 Gen II : 2017

PSA GROUP LEADER OF EFFICIENT TECHNOLOGIES CO₂ EUROPEAN LEADERSHIP : 102,4 G/KM (END 2016)

TOMORROW : A GLOBAL PORTFOLIO OF TECHNOLOGY FOR SUSTAINABLE MOBILITY



REACH 2020 CO₂/KM TARGET & REDUCE POLLUTANTS EMISSIONS (CAFE: 91G CO₂/KM)





POWERTRAIN AT THE FOREFRONT OF TECHNOLOGY

2017 : Groupe PSA Launches

New INTERNAL COMBUSTION ENGINES Euro 6d temp

Compliant with RDE factor of 1,5 3 years in advance

NEW TRANSMISSIONS offering the highest level of Driving Comfort



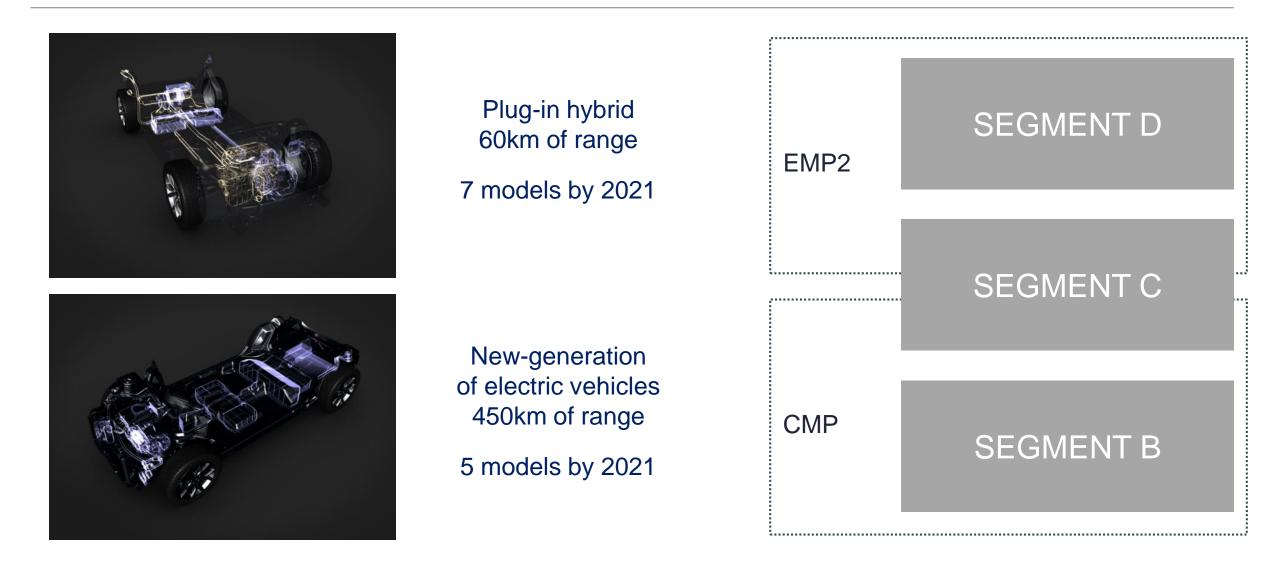
New Diesel Engine 1.5 BlueHDi 130 hp



New Petrol Engine 3 cyl.PureTech

New digitally designed **BVM6 manual** transmission New EAT8 automatic transmission

80% ELECTRIFIED CORE MODELS BY 2023, THANKS TO AN INGENIOUS PLATFORM STRATEGY







SMART VEHICLES CONNECTED AND AUTONOMOUS



CONNECTED AND COMMUNICATING CARS



AGILE FAST TECH DEVELOPMENT

2020

Car to Car



AUTONOMOUS CAR : THE AVA PROGRAM





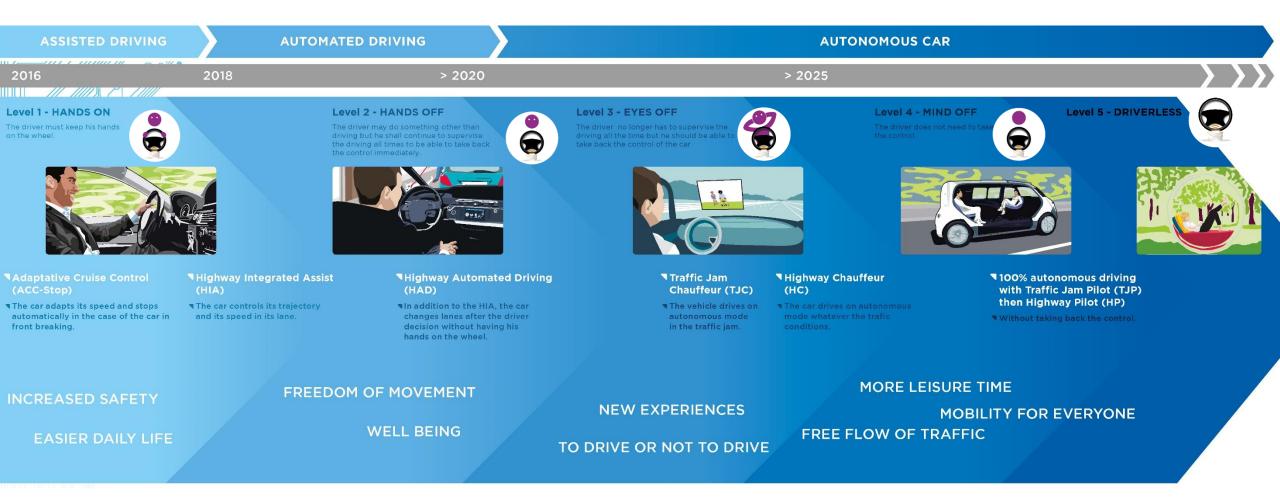
A LARGE SET OF ADAS FEATURES

FROM PARTIAL AUTOMATION... TO AUTONOMOUS DRIVING





AVA PROGRAM ROLL-OUT





AUTONOMOUS CAR : GROUPE PSA EXPERTISE

20 PROTOTYPES IN TEST IN-HOUSE OR WITH PARTNERS

► 12 LICENSES PLATES FOR PSA AUTONOMOUS CARS

150 000 KM DRIVEN IN AUTONOMOUS MODE - LEVELS 2,3 & 4 ON EUROPEAN ROADS

EXPERIMENTATIONS WITH "NON-EXPERTS" DRIVERS (FROM MARCH 2017)

▶ 1ST CARMAKER TO OBTAIN THE FRENCH AUTHORIZATIONS

A GLOBAL PARTNERS ECOSYSTEM



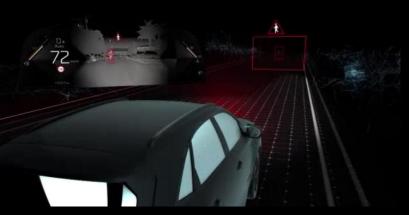




ADAS WAVE 2 : LAUNCHED ON DS7 CROSSBACK



DS CONNECTED PILOT



DS NIGHT VISION



DS DRIVER ATTENTION MONITORING

SEARCHING SPACE

DS PARK PILOT

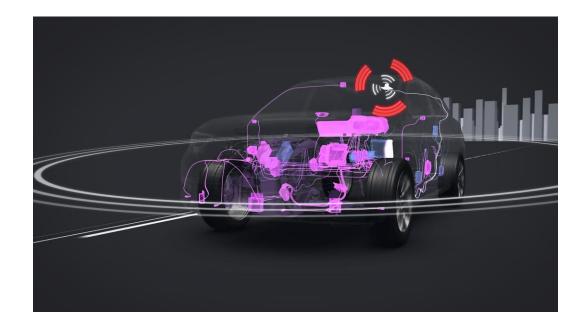


NEW ELECTRONIC ARCHITECTURE, THE NEURAL SYSTEM OF THE CONNECTED AND AUTONOMOUS CAR



- **NEA** will fit Groupe PSA's carlines as of 2020
- Designed for Autonomous & Connected Vehicle maximizing operational safety and data protection

- Smartly engineered :
 - ► MODULARITY
 - ▶ SCALABILITY
 - MULTI-BRANDS, MULTI-POWERTRAIN, WORLWIDE





GROUPE PSA ENGINEERING



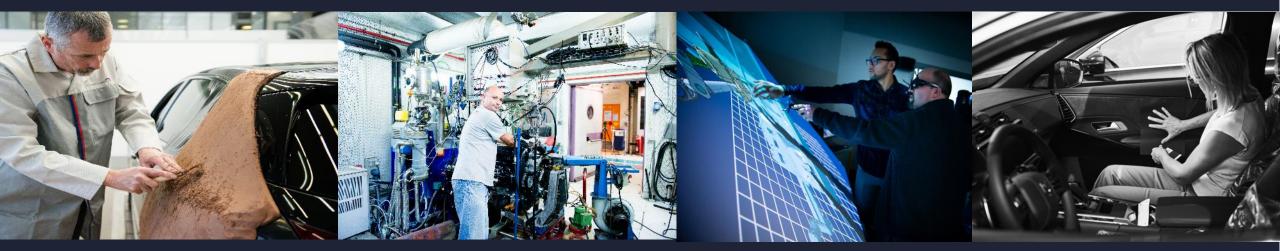












WE DESIGN UNIQUE AUTOMOTIVE EXPERIENCES



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