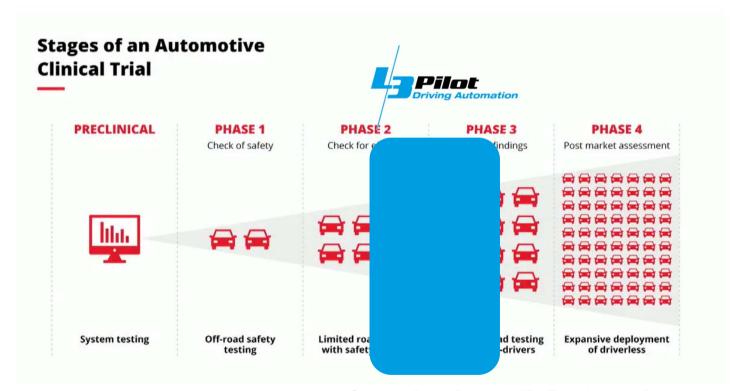


What is a Pilot?





A Pilot is...



Source: Bryan Reimer, MIT – Tedx Waltham Event, June 2018

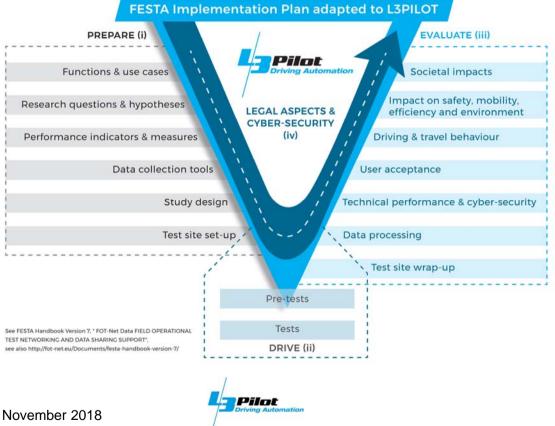


How do we run a Pilot?





The General Approach: the FESTA V Methodology



How did we translate it into the L3Pilot Project?







1,000 drivers 100 cars 10 European countries Piloting Automated Driving on European Roads.





1,000 drivers 100 cars 10 European countries Piloting Automated Driving on European Roads.



Objectives of the Preparation Phase



"Everything is ready for Pilot"



What does "Everything" mean?





"Everything"

- The AD functions to be evaluated in L3 Pilot are described in sufficient details
- The AD functions are adapted and implemented in the test cars
- The vehicles and their AD functions are pre-tested
- Legal issues (compliance to laws and regulations, including data privacy and insurance) and cyber protection are considered









"Everything"

- The AD functions to be evaluated in L3 Pilot are described in sufficient details
- The AD functions are adapted and implemented in the test cars
- The vehicles and their AD functions are **pre-tested**
- Legal issues (compliance to laws and regulations, including data privacy and insurance) and cyber protection are considered









4 macro Use Cases for Passenger Cars



1,000 drivers 100 cars 10 European countries Piloting Automated Driving on European Roads.



AD Functions are described in sufficient details



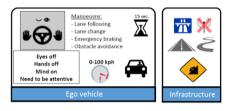










Table 3.1: L3Pilot functions by SAE automated driving level.

		Parking	Motorway	Traffic Jam	Urban
ID	1			Level 3	
ID	2		Level 4		
ID	3		Level 3		
ID	4	Level 3			
ID	5		Level 3		
ID	6			Level 3	
ID	7	Level 4			
ID	8			Level 3	
ID	9		Level 3		
ID	10				Level 3
ID	11		Level 3		
ID	12			Level 3	
ID	13	Level 2			
ID	14		Level 3		
ID	15				Level 3
ID	16		Level 3		
ID	17	Level 4			
ID	18		Level 3		





Cars of the Pilot Fleets are identified













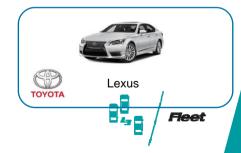






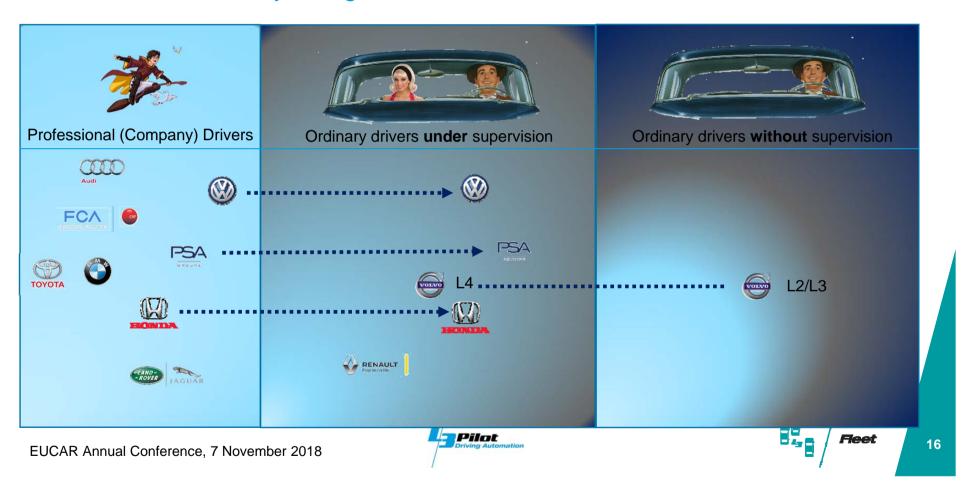






EUCAR Annual Conference, 7 November 2018

Most of the "Study design" is fixed



"Everything"

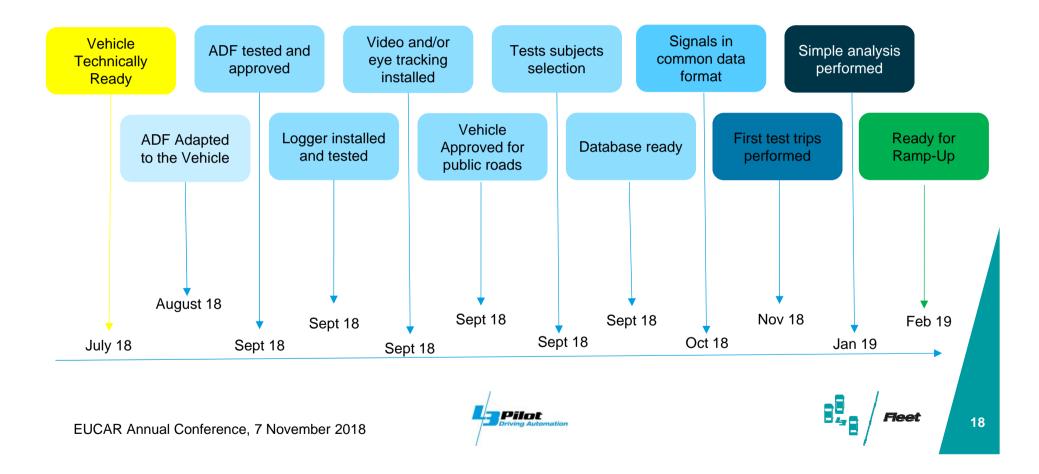
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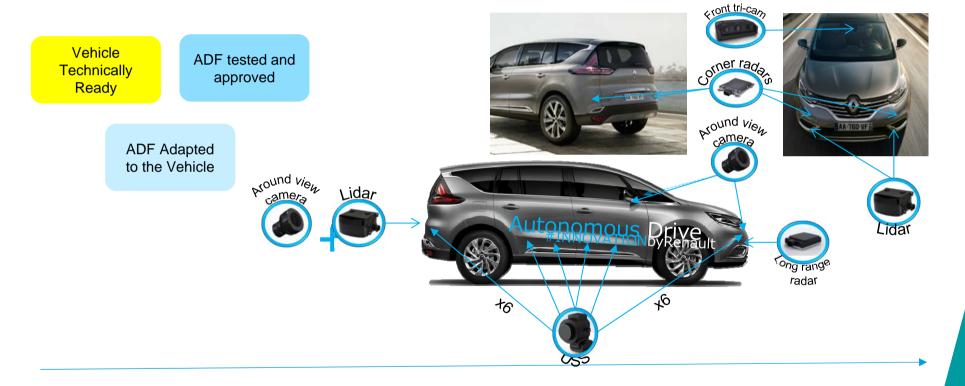






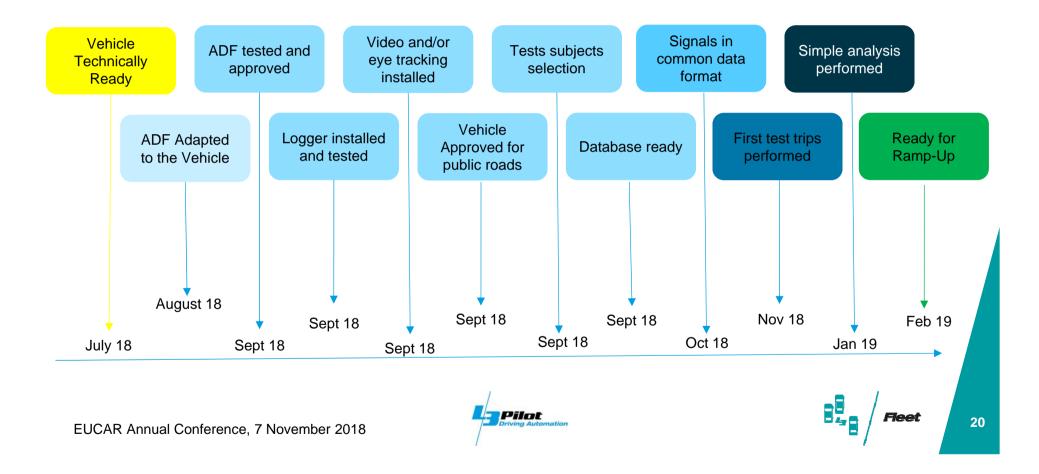












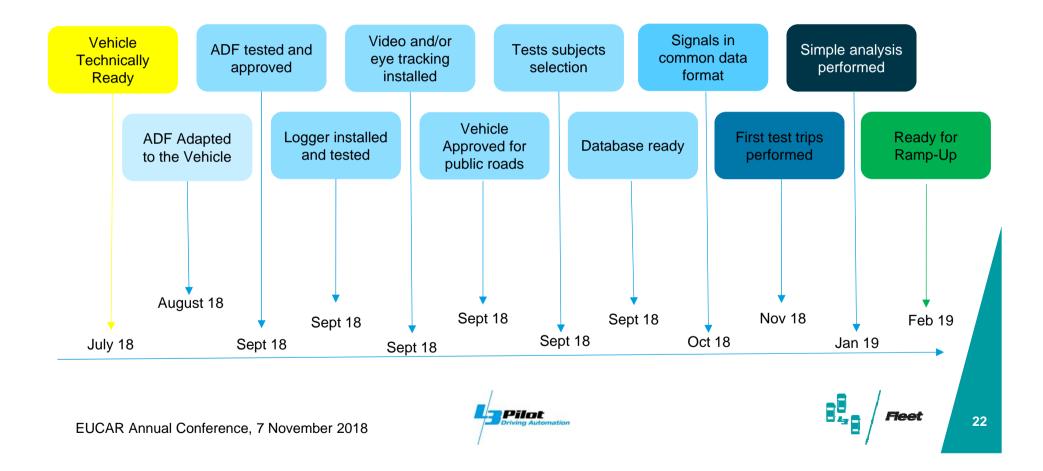
Video and/or eye tracking installed

Logger installed and tested









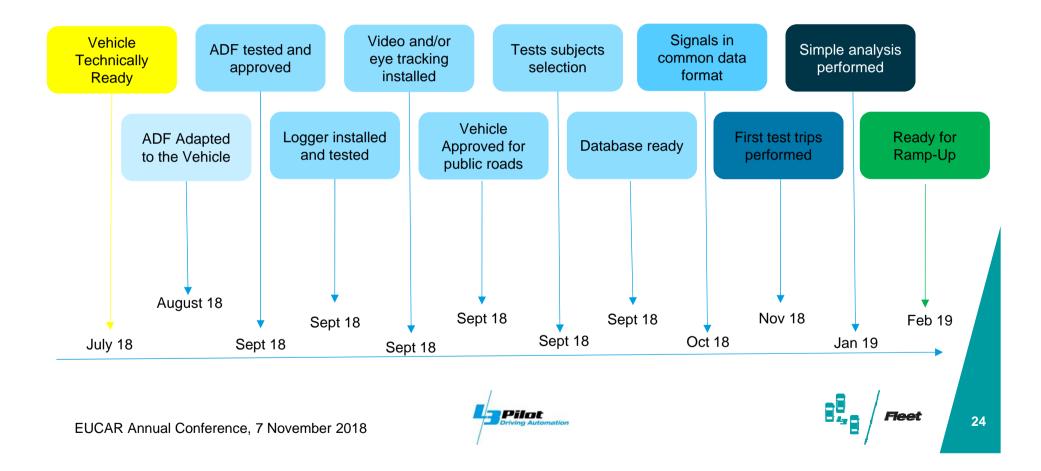


Vehicle Approved for public roads









Tests subjects selection



Professional (Company) Drivers

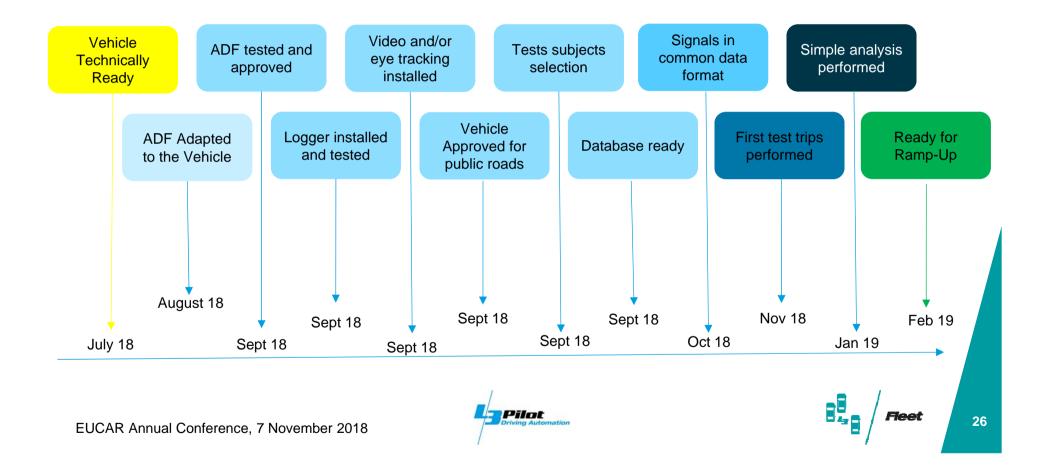


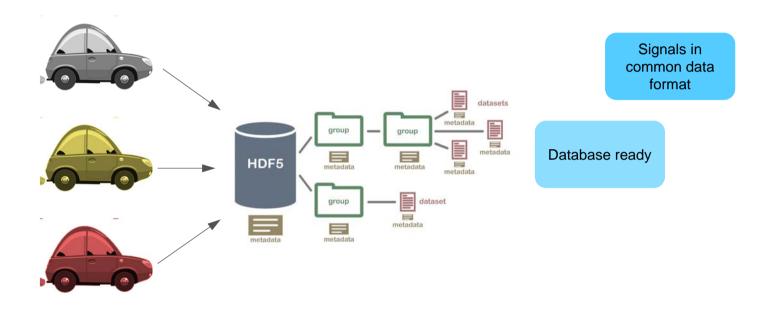
Ordinary drivers under supervision



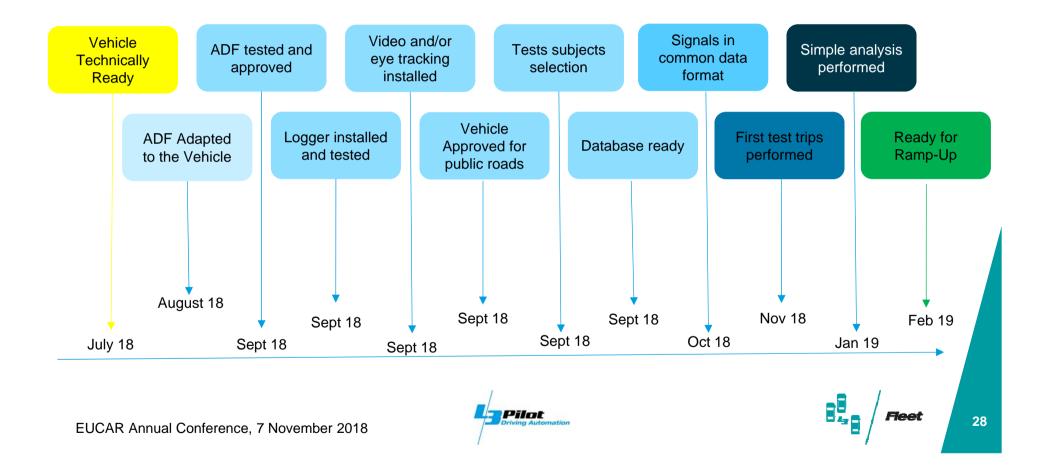
Ordinary drivers without supervision

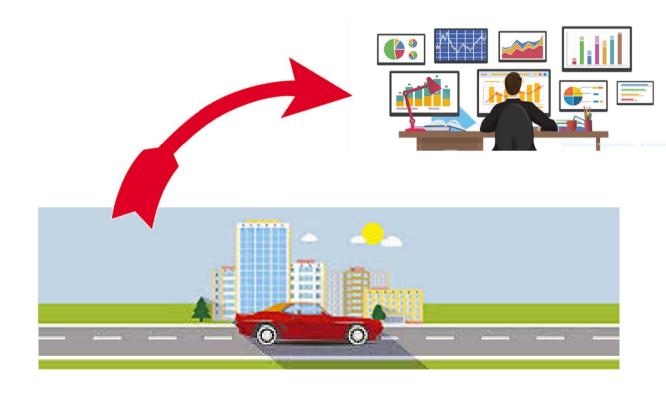










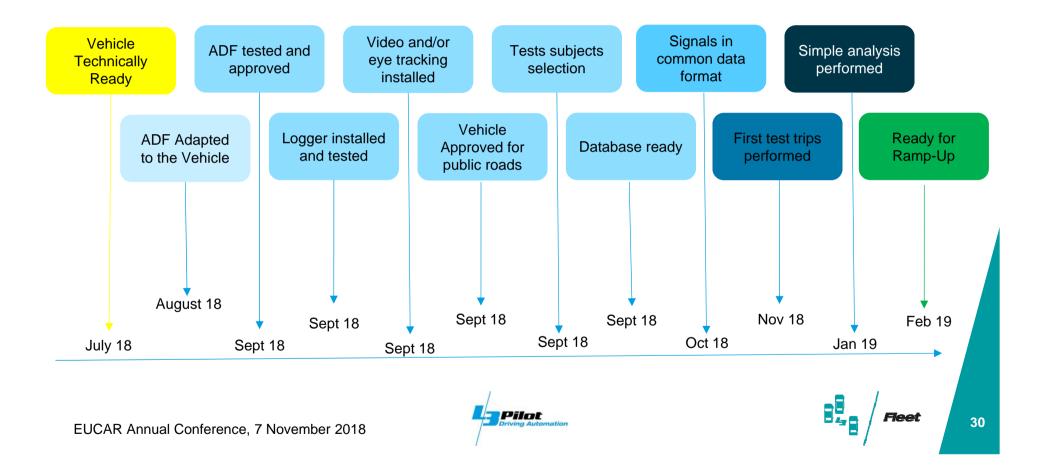


Simple analysis performed

First test trips performed









Ready for Ramp-Up





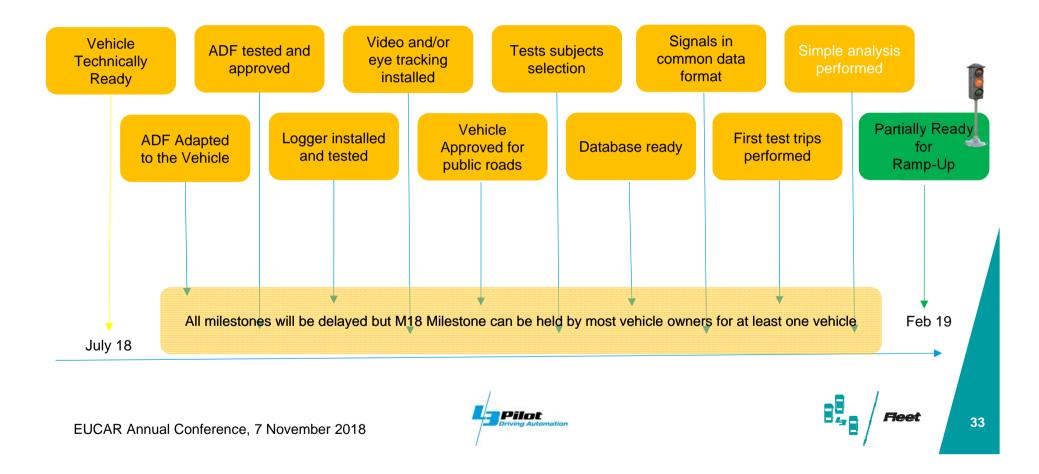


Ready for Ramp-Up





Summary SP status: Preparation of Fleet – Real-World



"Everything"

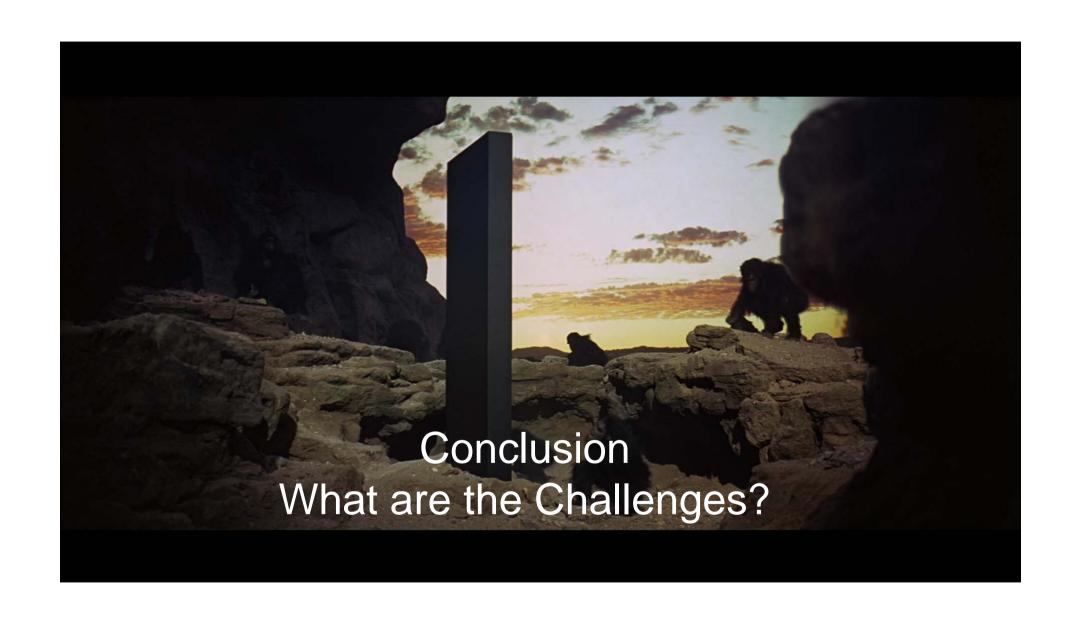
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What are the Challenges?

- Technical Challenges
 - Technical readiness and safety of prototypes
 - Test the whole chain of acquisition of data
- Methodological Challenges
 - Test the questionnaires for User Acceptance Analysis



What are the Challenges?

- Compliance Challenges
 - Regulation for AD experiments
 - Cyber Protection Standards
 - GDPR
- Time Challenges
 - Be ready for March 2019 with at least one car



Let's roll. Optimistically that the fruits will hold the promises of the flowers







Thank you for your kind attention.

Yves Page RENAULT GROUP yves.page@renault.com



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L3Pilot Partners



ARTIENG SPELLSCHAFT































OEMs







Researchers



CHALMERS

UNIVERSITY OF LEEDS









CUIZE!



















