## Baidu Apollo

Veille Technologique

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# Baidu: objectif 2020



### Apollo : évolution des versions

2017.4	2017.7	2017.9	2018.1	2018.4	2018.7	2019.1	2019.7	2020.1	2021
Hello Apollo	Apollo 1.0	Apollo 1.5	Apollo 2.0	Apollo 2.5	Apollo 3.0	Apollo 3.5	Volume	Curb – to – curb	Highway and
Apollo Platform	Closed Venue	Simple City Roads	Autonomous	Geo-fenced	Production-level	Urban Road	Production	Urban Road	Urban Road
Announced	Autonomous	Autonomous	Driving for	Highway	Closed Venue	Autonomous	Geo-fenced	Autonomous	Full Autonomy
	Driving	Driving	Simple Urban	Autonomous	Autonomous	Driving	Autonomous	Driving	
			Road	Driving	Driving		Driving		
			Conditions						

## Un projet Open Source :

- 8500 pull requests
- 15 000 commits
- 8 releases
- 235 contributeurs
- license: Apache-2.0
- 400 000 lignes de code
- Projet en C++
- Module d'IA en Python



# Perception de précision

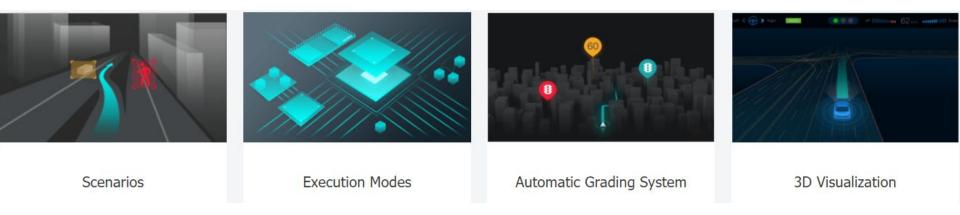
Obstacle



Feu de circulation



#### Simulation



## Carte Haute Définition et Localisation





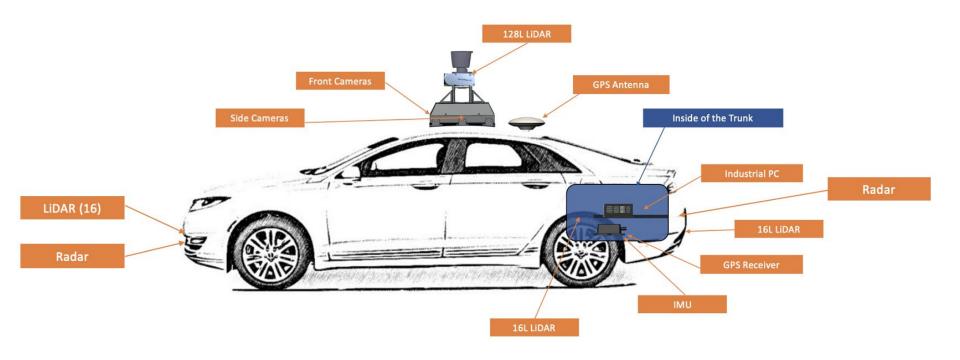
# Planification



# Contrôle intelligent



#### Vue Véhicule



# CyberSécurité



- Sécurité de l'IA du véhicule

- Communication sécurisée

- Boîte noire

#### Concurrents: pony.ai, Google, Tesla, Mercedes,









#### Robot Taxi

Size Weight

4490 × 2014 × 1980mm 2015kg

Performance Charging

228 kw Quick charge Maximum power

880

Visibility >300m



#### Démonstration

