



AUTONOMOUS VEHICLES

AUTONOM SHUTTLE & AUTONOM CAB

Autonomous vehicles constitute a technological revolution, taking urban mobility to a new level. Used to complement traditional transport modes, autonomous vehicles offer a mobility solution that is accessible, environmentally friendly, flexible and cost-efficient.

Keoilis is pioneering these developments with the successful rollout of driverless services in partnership with Navya. It sees autonomous and shared mobility as a key aspect of modern transport networks.

Two models of autonomous vehicles have been launched so far: **Autonom Shuttle** and **Autonom Cab**. Both models can operate in normal traffic conditions thanks to a comprehensive range of sensors, cameras and radars that provide exceptional safety and reliability. This equipment enables the vehicles to compare in real-time their actual environment with their pre-recorded travel path. They can therefore adapt their speed, signal their presence, and will soon also be able to adjust their travel path.

KEY STATS

Autonom Shuttle:

- Up to **15** passengers, including **11** seated
- Speeds of up to **25km/h**
- **100%** electric, **10** hours of battery autonomy
- An on-board operator to look after passengers during their journey
- Remote supervision from a control centre
- More than **10,000** hours in operation
- More than **100,000**km driven
- **15** shuttles worldwide providing every day on-demand services and first & last mile connections.

Autonom Cab:

- Seats up to six passengers, available as a private or shared service
- Speeds of **up to 50km/h**
- 100% electric and completely autonomous; **no driver's cab**, steering wheel or pedals for human operation
- **Dedicated smartphone app** for booking a vehicle, and opening and closing its doors
- Range of passenger services accessible from smartphone app and onboard tactile screen
- **First passenger service** to be launched in Lyon, France, in late 2018.

KEY ACHIEVEMENTS

WORLD'S FIRST AUTONOMOUS & SHARED CAB

Autonom Cab was the first of its kind, launched in Las Vegas in January 2018, and soon to be put into passenger service, in November 2018

40,000KM

driven by Autonom Shuttle since first trial launched in Lyon in 2016

110,000

passengers carried by Autonom Shuttle worldwide since 2016

LYON, FRANCE

First city in the world to operate a driverless shuttle for public transport, launched in September 2016. 26,000km driven, 5,700 hours of operation, 33,400 passengers*.

LAS VEGAS, USA

First autonomous shuttle to operate on a public road in the USA, launched in November 2017. 3,200km driven, 880 hours of operation, 24,400 passengers*.

PARIS (LA DÉFENSE), FRANCE

Three separate routes running seven days a week, and every 10 minutes during peak hours. Launched in June 2017. 6,700km driven, 2,900 hours of operation, 34,600 passengers*.

* Data as of July 2018

KEOLIS' AUTONOM SHUTTLE TRIALS AROUND THE WORLD:

Lyon, France

- since September 2016

Paris (La Défense), France

- since June 2017

London (Queen Elizabeth Olympic Park), UK

- 1 month in September 2017

Las Vegas, USA

- since November 2017

Melbourne (La Trobe University), Australia

- 12 months in 2017-2018

Adelaide (Flinders University), Australia

- since June 2018

Paris airport district (Charles de Gaulle), France

- 5 months from February 2018

Candiac, Canada

- 12 months from August 2018.



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