



PRESS RELEASE

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Keolis grows its footprint in China with opening of the automated Shanghai Pudong International Airport metro

- **On 16 September, Keolis opened the automated Shanghai Pudong International Airport metro through its Chinese joint venture**
- **The Passenger Rapid Transit System connects two existing terminals (T1 and T2) to two satellite halls (S1 and S2) which were inaugurated on the same day**
- **This new milestone bolsters Keolis' presence in China so it can more effectively meet the country's growing urban mobility needs and enhances its position as a world leader in automated metro operation and maintenance**

On 16 September 2019, Keolis' Chinese joint venture Shanghai Keolis¹, began operating the new automated Shanghai Pudong International Airport metro, which connects two terminals and two satellite halls opened on the same day. The contract to operate and maintain the metro network was awarded by Shanghai Airport Authority to Shanghai Keolis in October 2017 for a period of 20 years. This is the second automated metro network that Shanghai Keolis operates in China.

With 60 million travellers per year, Shanghai Pudong International Airport is the ninth busiest airport in the world. The expansion of the airport with two satellite halls aims to address the growth in passenger numbers to Shanghai, which expects to be welcoming 80 million passengers per year.

The Shanghai Pudong international airport Passenger Rapid Transit system – expected to carry 250,000 passengers per day – is 7.8 km long and operates 24/7. It features CBTC technology, meaning it can be operated at higher frequencies and speeds in complete safety with or without a driver. The Rapid Transit System has a driver on-board (GoA2 operation²). The service headway at peak times is 5 minutes and 10 minutes at night.

¹ JV between Shanghai Shentong Metro Group (51%) and Keolis (49%)

² Semi-automatic: starting and stopping are automated, but a driver operates the doors, drives the train (if required) and handles emergencies.



90 Shanghai Keolis employees – including drivers, passenger service agents and maintenance staff – will all play a part in enhancing the passenger experience.

Built by Chinese manufacturer CRRC, the trainsets are 94-metres long and can accommodate up to 800 passengers.

Keolis in China

Present in China since 2014, Shanghai Keolis employs some 500 people and carried more than 7.5 million passengers in 2018. In addition to Shanghai Pudong International Airport's automated metro, Shanghai Keolis operates the Shanghai Pujiang automated metro line (Shanghai's first automated metro line) and the Shanghai Songjiang tramway network.

Keolis, world leader in automated metro operation

Apart from the two metro networks in Shanghai, Keolis operates or is in the process of preparing the launch of automated metro networks in several cities:

- In France:
 - o In **Lille** – line 1, the oldest in the world, launched in 1983, and line 2,
 - o In **Lyon** – line D and soon line B,
 - o In **Rennes** – line A and soon line B.
- Worldwide:
 - o In **London** (UK) – the Docklands Light Railway,
 - o In **Doha** (Qatar) – three lines (Red, Green and Gold). Part of the red line is already open. The rest is expected to open by the end of the year,
 - o In **Hyderabad** (India),
 - o In **Frankfurt** (Germany) – a proposed automated metro to serve the airport terminals from 2023 onward.

About Keolis

Keolis is a pioneer in developing public transport systems and works alongside public decision-makers who want to turn shared mobility systems into levers to enhance the appeal and vitality of their regions. A world leader in operating automated metro and tramway systems, Keolis is supported by a sustained and open innovative policy alongside all of its partners and subsidiaries – Kisio, EFFIA, Keolis Santé and Cykleo – to bolster its core business and develop new innovative and bespoke shared mobility solutions, including trains, buses and coaches, trolleybuses, shared car solutions, river and sea shuttle services, bike share services, car sharing, fully electric driverless shuttles and urban cable cars. In France, Keolis is the second largest parking company through its subsidiary EFFIA, and the country's leading medical transport solution since the creation of Keolis Santé in July 2017.

The Group is 70%-owned by SNCF and 30%-owned by the Caisse de Dépôt et Placement du Québec (Quebec Deposit and Investment Fund), and employs some 65,000 people in 16 countries. In 2018, it posted revenue of €5.9 billion. In 2018, 3.3 billion passengers used one of Keolis' shared mobility services. www.keolis.com

* Keolis is well-established in France and also operates in Australia, Belgium, Canada, China, Denmark, Germany, India, Luxembourg, the Netherlands, Norway, Qatar, Senegal, Sweden, the United Kingdom and the United States.

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