

Rueil Malmaison, 5 March 2018

## **VINCI Construction successfully completes tunnelling for the second automated metro line in Rennes**

- **8.5 km of deep tunnel**
- **Almost 30,000 arch liners installed**

VINCI Construction, through a joint venture led by Dodin Campenon Bernard and including GTM Ouest and Botte Fondations, both subsidiaries of VINCI Construction France, along with Spie Batignolles TPCI, Spie Fondations and Legendre Génie Civil, has successfully completed tunnelling Line b, the second automated metro line in Rennes, for regional authority Rennes Métropole and transport authority Semtcar. Line b will run between the south-west and north-east of the urban area and will serve 15 stations by 2020.

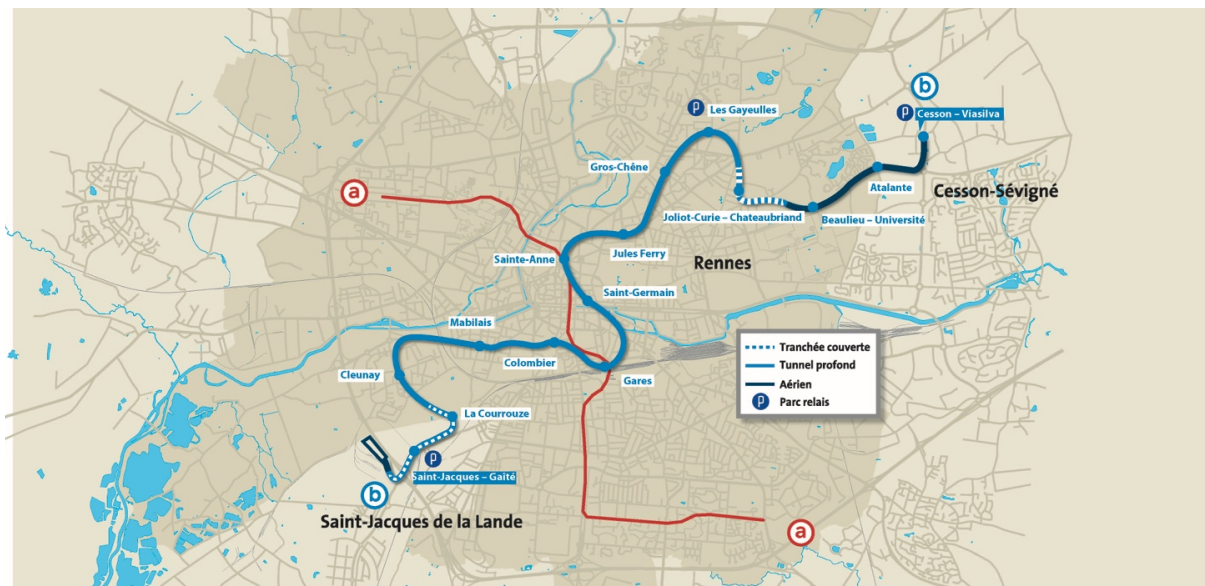
After 38 months of operation, tunnel boring machine Elaine, specially designed for this project, arrived at its exit shaft. At the end of this phase, Elaine will have travelled about 8.5 km deep underground, passing nine stations and four ventilation shafts. In total, the tunnel boring machine (TBM), which measures 82 metres long and has a diameter of 9 metres, installed 29,806 arch liners.

The joint venture exploited every possible synergy between its participating companies to find innovative technical solutions to the numerous geological challenges encountered along the route. The civil engineering project is scheduled for completion during the summer of 2018.

Line b of the Rennes metro is designed to support the urban area's growth. The Rennes network (STAR) recorded 76.8 million trips in 2014. With the creation of Line b, traffic is forecast to reach 120 million trips in 2020.

For over 20 years, VINCI companies have been helping to build metro systems all over the world, with current projects including the metro systems in Cairo, Egypt; Doha, Qatar; and Lines 14 South and 15 South of the Grand Paris Express rapid transit programme.

Watch the arrival of the TBM: <https://vimeo.com/257870983>



**About VINCI**

VINCI is a global player in concessions and contracting, employing close to 195,000 people in some 100 countries. We design, finance, build and operate infrastructure and facilities that help improve daily life and mobility for all. Because we believe in all-round performance, above and beyond economic and financial results, we are committed to operating in an environmentally and socially responsible manner. And because our projects are in the public interest, we consider that reaching out to all our stakeholders and engaging in dialogue with them is essential in the conduct of our business activities. VINCI's goal is to create long-term value for its customers, shareholders, employees, and partners and for society at large.

[www.vinci.com](http://www.vinci.com)

*This press release is an official information document from the VINCI Group.*

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# VINCI CONSTRUCTION SUCCESSFULLY COMPLETES TUNNELLING FOR AN AUTOMATED METRO LINE IN RENNES



Joint venture  
led by

**Dodin  
Campenon  
Bernard**



**Tunnelling  
line b**

of the Rennes  
network



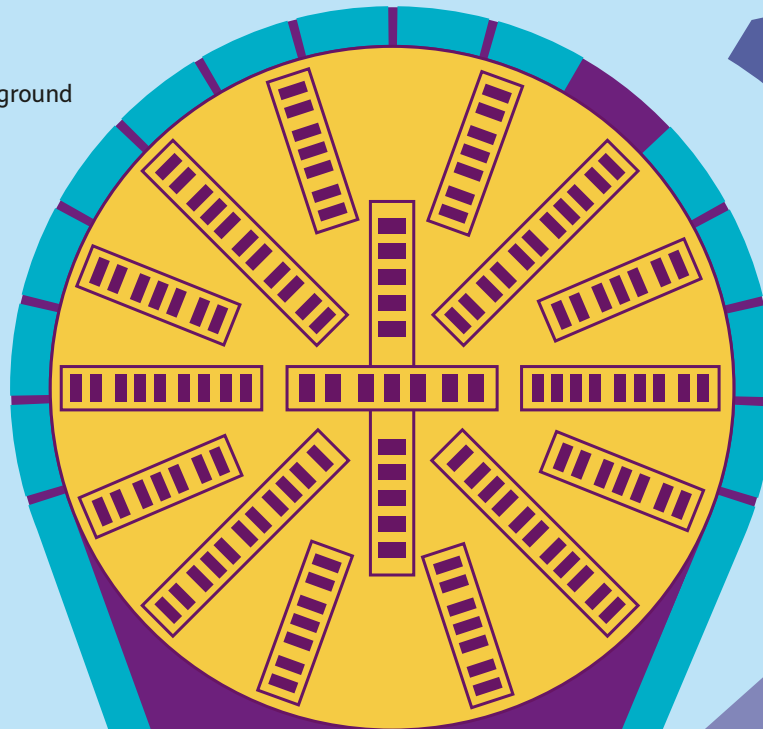
**38  
months**  
of operation



**Tunnel-boring  
machine Elaine,**  
specially designed  
for the project

**8.5 km**

of deep underground  
works



Almost  
**30,000  
arch  
liners**  
installed



**Objective:**

**Support the urban area's growth**

**15 stations**

served by the line b



**120 million trips**

expected in 2020 on  
the Rennes network