



# PRESS RELEASE

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## Ricardo to perform whole-system safety assessment of Beijing's latest metro line

- **Beijing Metro Construction Administration Corporation Ltd has appointed Ricardo Certification to provide Independent Safety Assessment (ISA) services for the new metro line in the eastern side of the city**
- **Ricardo is assessing the new Line 17 against European standards EN 50126, 50128 and 50129**

Beijing's new Line 17 will offer a new north-south route through the city's eastern districts, extending from Changping's Future Science Park North station to Yizhuang Zhanqianqu South station in Tongzhou. The first section is planned to enter into operation in 2021.

Ricardo Certification will be responsible for assuring the safety of passengers, staff and surrounding communities is accounted for during the construction, installation, testing and eventual commissioning of the new line.

The scope of the assessment extends across the core rail sub-systems, including rolling stock, signalling, route infrastructure and communications technologies.

Ricardo experts will assess each system in isolation, but also their interactions with other safety-critical systems, such as the interface between pantographs and the overhead catenary, and the vehicles and platform screen doors. A further area for assessment will be the wheel-rail relationship along the route.



The team will also examine the Line's Safety Management System, including its emergency evacuation and rescue plans, and deliver training on Reliability, Availability, Maintainability and Safety (RAMS) for engineers from both MTR and the core equipment suppliers.

The assessment will be performed by Ricardo Certification's Beijing office and follows the team's successful delivery of similar system-wide ISA services for the city's Yanfang Line, which opened in December 2017.

Ricardo Certification operates as a separate and entirely independent business within the Ricardo group and is accredited by relevant regulatory authorities to provide assurance services to the rail industry.

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## NOTES TO EDITORS:

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**Ricardo Certification** has origins in the rail sector, where it has performed independent assessment roles on a range of high-profile projects. In Europe the company performs the Notified Body role on the central section of London's Crossrail and provides Assessment Body services for the migration of Denmark's national network to ERTMS operation and control. In Asia the company has supported the introduction of new signalling products to the market, including the first such technologies to be developed by domestic suppliers.

**Ricardo Rail** is the rail consultancy and assurance business of Ricardo. It provides expert independent assurance and consultancy services to help clients navigate the industry's operational, commercial and regulatory demands. Ricardo Rail has an international reach and presence through a network of 17 regional offices across Europe, Asia and the Middle East, with a team of over 500 rail engineers and specialists. Further information is available at <http://rail.ricardo.com/>.

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