



Project

- Final adjustment of track geometry, Section K219+000-K245+000 with a total length of 53 km
西成高铁

Duration

- 21.02 - 01.03. 2017

Contractor

Xi'an railway Bureau
西安铁路局
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Tasks

- Measurement and evaluation of track geometry
- Detection of fault zones with deformation and settlement

Challenges

- Comparison of the IMS 1000 survey results with other measuring methods
- Difficult geological conditions
- Far away from the next city, difficult transportation situation
- Time and cost pressure due to weather conditions

Fast track improvements lead to successful final quality check



The Xi'an-Chengdu Passenger Dedicated Line is a dual-track, electrified, high-speed railway line in Western China connecting the historical city of Xi'an with Chengdu, the capital of the Sichuan province.

The 658 km long line started operating on 6 December 2017 and is designed for trains travelling at speeds of up to 250 km/h. The travel time between the two provincial capitals was reduced from 16 to less than 3 hours. The line

crosses the rugged Qin and Daba Mountains and connects the Guanzhong Plains with the Sichuan Basin. In the Qin Mountains, the line consists of 127 km of tunnels, including six over 10 km long. The railway also runs through ecologically sensitive areas including the Taibaishan and Hanzhong Crested Ibis National Nature Reserves.

