

Macau LRT Project Team

[MHI Engineering Co., Ltd.]

Representative: Takayuki Okamoto (Manager, Planning Group, Corporate Planning Department, MHI Engineering Co., Ltd.)

Members: 22 (MHI Engineering Co., Ltd. 22 employees)

In Macau, which has become one of the world's leading resort cities as the number of tourists (2019 : 39.4 million) continues to increase thanks to its flourishing tourism industry based around casinos, MHI was awarded an EPC contract for rolling stock and related systems to form the core of the new LRT (Light Rapid Transit) system.

After the contract was signed, there were difficulties, such as delays (which continued for about four years) to the civil engineering work for the depot and elevated railroad tracks. However, in September 2019 a test run was completed and the line was handed over to the Macau government, which began commercial operation in December of the same year. Since commencing operation the line has become popular with both residents and tourists.

This project has contributed to the improvement of Macau's social and transport network and the engineering industry as a whole through the implementation of high-quality infrastructure.

A complete system consisting of rolling stock (110 cars), automatic train control signaling system, power supply system, communication system, track, maintenance equipment, platform screen door, and automatic fare collection was delivered. The contract also includes the provision of vehicle maintenance services for five years after completion. The LRT is a new transportation system that serves tourists as well as residents and connects the airport and ferry terminal to the resort hotels and provides transport links between residential areas, with a total distance of 9.3 kilometers including 11 stations.

The development of the LRT system, together with the development of the human resources necessary to run the system, is a great achievement. We employ and train local human resources in accordance with our in-house training policies. Understanding that utilizing local human resources is also a role of the project, continuous training was carried out to create new employment opportunities in the engineering industry in Macau, where the predominant industries are tourism and gaming.

This was the first railway system in Macau, and it was the result of the shared mission of the project, to "Create history in Macau", and the efforts made by all members of the team who took great pride in their work.

This project is worthy of international recognition due to its significant achievements and contribution to the future development of Macau.



LRT vehicle in Macau



Macau LRT route map