

## Nippon Signal awarded a contract to deliver CBTC Signalling System for MRT Jakarta Phase 2(2A)

Nippon Signal Co., Ltd. (Head Office: Chiyoda-ku, Tokyo; President & CEO & COO: Hidehiko Tsukamoto) is pleased to announce that we have been awarded a contract by Sojitz Corporation to deliver Signalling System for Jakarta Mass Rapid Transit Project Phase 2. The contract amount is worth approximately JPY 6 billion. We will supply full package of Signalling System including CBTC<sup>\*1</sup> System called "SPARCS", Computer Based Interlocking system, PID<sup>\*2</sup> system, field equipment.

The Jakarta Mass Rapid Transit Project Phase 1, for which we have already delivered signaling systems including SPARCS and the AFC<sup>\*3</sup> system, is a 15.7km north-south line that connects the Jakarta metropolitan area from Lebak Bulus Station to Bunderan HI Station.

The entire line opened in March 2019, and its continuous and stable operation to date has been highly praised, and our signal system has been adopted for the Phase2(2A) project.

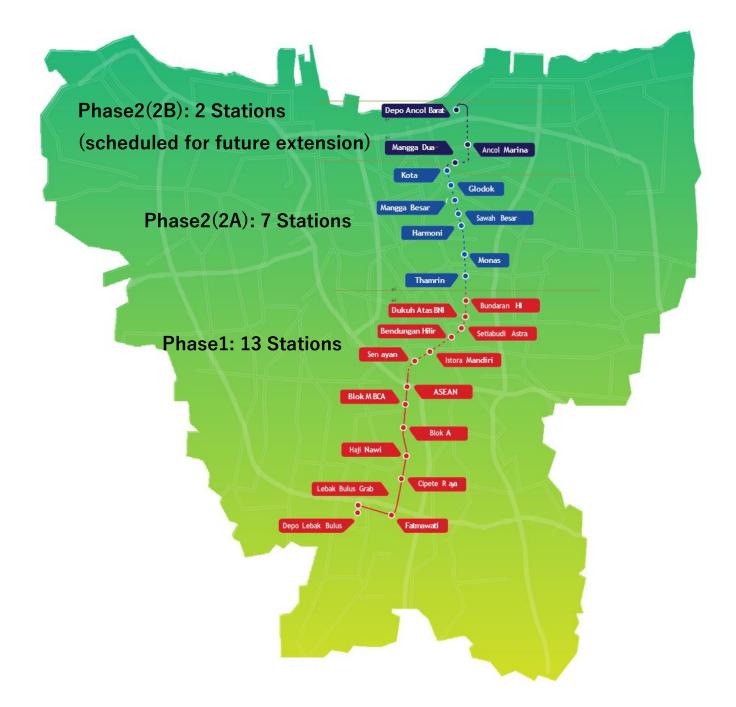
The Phase2(2A) section is a northern extension line and consists of seven stations with a total length of 6 km from Bunderan HI Station, the terminal station of the first phase section, to Kota Station. We continuously realize improvement of convenience for citizens and ease traffic congestion, and we are committed to contribute to making the city more comfortable and safer by taking full advantage of our experience of working during the Phase1 project.

- \*1 CBTC: Communication Based Train Control is the moving block system that controls and protects ground and trains wirelessly. Compared to general systems, CO2 reduction can be expected by about 70%.
- \*2 PID : Passenger Information Display is a display for indicating train information on station concourses and platforms.
- \*3 AFC : Automatic Fare Collection is a Systems for collecting fares, such as ticket vending machines and ticket gates.





Jakarta Mass Rapid Transit Route Map



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