News Release

October 03, 2013

Nippon Signal receives an order of signaling system for Gimpo Urban Railway

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Nippon Signal has signed a contract of signaling system for Gimpo Urban Railway that is worth approximately 1.7 billion JPY with Hyundai Rotem Company (Hereinafter "Rotem") which is a group company of Hyundai Automotive Group in Korea. Rotem and Korean company jointly had signed a contract with Gimpo city which is a package of Rolling Stock and Signaling system, and Nippon Signal receives an order of CBTC ([*1]) and Digital Axle Counter for Signaling system from Rotem.

*1. CBTC stands for "Communications-Based Train Control," which is the latest train control system using radio communications

Gimpo Urban Railway will run approximately 23.61 km between Gimpo Airport and Yeoncheon Depot, and all stations will be constructed underground not to spoil the sight. The Gimpo Urban Railway is a much-anticipated improvement of convenience for the people by connection with other metro lines and well accessibility for Gimpo Airport.

[Overview of Gimpo Urban Railway]

Total distance:	Approximately 23.61 km
Number of stations:	11 Stations + 1 Depot
Train operation:	Driverless automatic operation
Service start date:	Operation starts sequentially from November 2018

Gimpo city and Hyundai Rotem accepted our proposal for the use of SPARCS ([*2]) which is our uniquely developed CBTC. This project will be the third project using SPARCS succeed after Beijing Metro Line 15 in China operated since December 2011 and Delhi Metro Line 8 awarded September this year. Nippon Signal plans to accelerate its overseas business expansion by recommending the use of SPARCS in urban railway system projects that are expected to increase in the future.

*2. SPARCS stands for our product "Simple-structure and high Performance ATC by Radio Communication System"

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