

## ON THE TRACK TO EXCELLENCE

The ShinBunDang Metro project for a smart centralized and scalable building management solution in S. Korea.

“By employing the Honeywell Heating Ventilating and Air Conditioning (HVAC) solution, and the redundant CCMS Enterprise Buildings Integrator (EBI), Honeywell provided the ShinBunDang Metro Project, with a smart, user-friendly, and future-proof building management solution that streamlines and simplifies everyday tasks, while providing an efficient and comfortable environment.”

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Case Study

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**The ShinBunDang Line is a 31 km long line of the Seoul Metropolitan Subway. It is the world's fifth, and South Korea's second subway that runs automated. The ShinBunDang Line Metro project follows three stages of implementation. Phase 1 completed in October 2011. Phase 2 became operational in January 2016. Phase 3 has an opening planned for 2022. Neo Trans Co., Ltd, the company accountable for this project, wanted a building management solution for this subway that will enhance efficiency, reduce risks, and afford seamless integration with third party devices. Through the redundant EBI system, Honeywell has centralized the management of this facility and has provided access control solution for ventilation rooms. The HVAC solution that merges well with 3rd party interface, has given an efficient and comfortable environment for the Metro premises.**

## The Needs

An HVAC management system that is energy efficient, sustainable, and stabilized.

An intelligent building management solution that is easy to use and provides transparency in everyday facility management tasks.

A centralized interface that seamlessly integrates with other third-party systems.

A faster, flexible, scalable technology that is future proof.



## For more information

[www.buildingsolutions.honeywell.com](http://www.buildingsolutions.honeywell.com)

## Honeywell Building Solutions

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## The Solution

Honeywell replaced old server at the control tower that were being used to manage 6 subway station on the 1st phase. That 6 existing servers integrated with additional 6 servers of subway stations during the 2nd phase. With the new redundant EBI, the rules for this facility can be quickly configured. There is lesser need for manual intervention and the system's simple reporting and self-documenting templates provide clear visibility into the event history of the facility. The mobility feature of the redundant EBI supports full access and control through a smartphone.

The Honeywell HVAC solution monitors and controls all electrical, ventilation, and air conditioning systems of the ShinBunDang Metro facility under both normal and emergency conditions. It functions alongside critical systems like the tunnel ventilation system and works well with third party interface. Its centralized control delivers a high level of energy efficiency while maintaining a comfortable facility environment.

## The Benefits

- The Honeywell HVAC's centralized control improves efficiency and saves maintenance and workforce while maintaining comfortable environmental conditions.
- The user-friendly graphical interface of EBI is easy to manage, so there is a reduction in training requirement and hardware costs. It also helps save time and improves productivity.
- The alarm notification function of EBI helps manage incidents and reduces downtime. The centralized administration enables real-time situational awareness and a faster, more precise response to all alerts.
- Integration of multiple systems into a consolidated platform provides users with ease of access and a streamlined system administration.
- The Redundant EBI system provides system reliability, and helps deliver superior performance.