

References

Posco Green building

Uponor involvement

5571 sqm (gross floor area)

Posco Green building

POSCO Green Building located on the Yonsei University International Campus in Songdo, has been equipped with radiant underfloor heating and cooling and Comfort panels from Uponor.
POSCO Green Building, a future-oriented building with environment-friendly and energy reduction technology applied, is located on the Yonsei University International Campus located in Songdo, Incheon on November 19th, 2013.

The project was completed in 1 year and 2 months and has been opened in November 2013. It consists of an office building (5 floors, B1~4F, total square of 5571sqm), joint housing building of 5 units (3 floors), 4 modular home units and a PR exhibition hall.

The building was carried out as part of the Ministry of Land, Infrastructure and Transport R&D project. The approach has been to spread green technology to new buildings and considered environment-friendly and low energy in the processes from design and construction to operation and disposal.

More than 100 green technologies including solar power, geothermal air-conditioning and radiant heating/cooling both in ceiling and underfloor, vacuum outsulation, and ICT (Information Communication Technology) are applied to the building, optimizing energy performance and saving energy usage from 30 to 100% compared to existing buildings. Further, it is an environment-friendly building where approximately 35% of the energy required by the building is self-generated utilizing new renewable energy.

Project Facts:

Location	Completion
Incheon, New Songdo, Korea (Republic of)	2013
Building Type	**Product systems**
Office building	Radiant Heating & Cooling

Address	Website	Project Type
Yonsei International Campus	http://www.poscogreenbuilding.co.kr	New building

Partners

Architect

Posco A&C

Contractor

Posco Engineering and Construction

Investor

Yousei University

Specifier

Gsgreentech Co, Ltd.

Uponor provided the building with radiant underfloor system on the first floor lobby to absorb the sun radiation and keep the area warm and cool. Besides, Uponor radiant ceiling Comfort Panels are installed in office area of 2rd and 3rd floor so that the visitors can experience Uponor's two systems at the same time experimentally on the 1st floor for underfloor system and on the 2nd and 3rd for radiant ceiling panel in this limited space.

Posco Greenbuilding undoubtedly will be the stepping stone project for Uponor's future business of radiant heating/cooling and it presented an opportunity for Uponor to demonstrate and promote a suitable energy solution as well as optimized inside-building comfort and ease on the South Korean market.

The project was specified and installed by a dependable local partner GSgreentech through the local representative Jooyoung Seo.

Posco Green building







