

# POSCO green building

special session



### Test-bed summary

- |                           |   |                             |                                 |
|---------------------------|---|-----------------------------|---------------------------------|
| • <b>Project name</b>     | POSCO green building  | • <b>Building scope</b>     | B1~4F                           |
| • <b>Location</b>         | Yonsei University, 85 Songdogwahak-ro,<br>Yeonsu-gu, Incheon, Korea | • <b>Finishing material</b> | Steel curtain wall, Steel panel |
| • <b>Gross Floor Area</b> | 5,548.53m <sup>2</sup>  | • <b>Completion</b>         | 2013. 09                        |
| • <b>Building area</b>    | 1,937.10m <sup>2</sup>  | • <b>Client</b>             | Yonsei University               |
| • <b>Structure</b>        | S.C, R.C  | • <b>Architect</b>          | POSCO A&C                       |
|                           |   | • <b>General contractor</b> | POSCO E&C                       |

Date 2013. 7. 10(Wed) **15:45 - 18:00**

Venue **SEOUL PALACE** Grand Ballroom

Sponsored by


 국토교통부


 KAIA  
 Korea Agency for  
 Infrastructure Technology  
 Advancement


 연세대학교


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 RIST

# POSCO green building seminar Innovation of green building process

Time	Title / Contents	Speaker
15:45 - 15:55	Opening	
16:00 - 16:20	<b>POSCO green building by Integrated Project Delivery(IPD) : 4 layers model</b> - Definition of green building process - Concept of IPD - What is 4 layers model ? - Implementation of 4 layers model on POSCO green building	Leigh, Seung-Bok
16:20 - 16:40	<b>Integration of design &amp; engineering for POSCO green building</b> - The need for integration of design and engineering - Strategies of engineering support for each design phase - Energy assessment tool for pre-design phase of non-domestic buildings - Building simulation for each design phase of POSCO green building	Kim, Tae yeon
16:40 - 17:00	<b>Green construction technologies for POSCO green building</b> - What is green construction? - Quality management of green building - Green construction field management - Present and future of POSCO green building construction	Jung, Chan Woo
17:00-17:20	<b>Monitoring system and Building Energy Management System(BEMS) for POSCO green building</b> - What are monitoring system and BEMS? - Build of a monitoring system for performance evaluation - Plan and build of BEMS for green building - Plan and build of monitoring system and BEMS for POSCO green building	Baek, Seung Kyung
17:20-17:40	<b>Environmental impact and cost assessment of POSCO green building</b> - The need to assess environmental impact and cost of buildings for promoting green buildings - A method for assessing the environmental impact of buildings - A method for assessing the environmental cost of buildings - Environmental impact and cost of POSCO green building	Hong, Tae hoon
17:40-18:00	Q&A and Closing	

# Technology

## Integrated Project Delivery(IPD) Process

● **Design**  
Integrated Design Process



● **Construction**  
Integrated Construction Process



● **Operation/Management**  
Integrated Operation/Management

**Market**  
Integrated Value Assessment System; IVAS

**Policy**  
Improvement of Policy programs are needed through IVAS

