
Industry
• Construction

Applicable use
• Real-time communication and collaboration across offices and construction sites
• Design and project meetings
• Remote inspections
• Team/department meetings and training

Solution
• Polycom® RealPresence® Video Solutions connecting 19 global construction sites and offices in and out of Korea, streamlining operations and accelerating time-to-market

Results and benefits
• Reduction in business trips resulting in reduced CO2 emissions in compliance with government’s green growth policy
• Quick information sharing, where a maximum of 40 people for executive meetings and 800 for all-employee meetings can participate
• Work efficiency maximised by creating an environment that allows sharing of content in real-time
• Accelerated time-to-market, faster decision making and boost in productivity
• Streamlined operations

Overview
POSCO Engineering & Construction Co., Ltd (POSCO E&C) was founded in 1994 and is made up of the engineering and construction businesses of POSCO (formerly Pohang Iron and Steel Company) group of companies in South Korea. With headquarters in Pohang and offices in Seoul, Gwangyang, Busan and a research and development centre in Incheon, the company’s business areas include steel plants, energy plants, chemical plants, water treatment & environmental plants, civil infrastructure and urban development & architecture.

The company’s operations also extend internationally, with branch offices in many countries including China, Vietnam, India, United Arab Emirates, USA, Russia, Chile and Peru. From the very beginning stage of designing the company’s R&D centre in Songdo in 2010, POSCO E&C envisioned connecting their various construction sites around the world with the company’s headquarters, country offices, and local offices through the use of video collaboration.

POSCO E&C selected Polycom® RealPresence® video collaboration solutions for its ‘Video Conferencing Project’, designed to accelerate business operations and minimise travel through enhanced collaboration between the company’s head office, local offices and construction sites in and out of Korea, including operations in Brazil and Chile.

Together with POSCO ICT, a specialised company in IT & Engineering, POSCO E&C deployed video conferencing system across 6 locations in Korea including executive conference rooms in the Songdo office building, and conference rooms for employees in provincial offices. The system was also installed in 13 locations in 9 countries abroad including offices and construction sites in China, India, Indonesia, Vietnam, Brazil, Australia, Chile, Peru and Israel.

Despite the recession in global markets, business for POSCO E&C remains strong, and with its ‘Vision 2020’ strategy, the company will continue to grow and sees video collaboration as an important tool in sustaining this strong business growth by improving teamwork and collaboration, enhancing efficiency and time-to-market across borders and decreasing costs in travel.
Stable real-time collaboration and user convenience

Every day, POSCO E&C’s business involves the need for project team meetings, remote inspections, and the ability to manage multiple projects across several locations. For example, POSCO E&C last year commenced a large-scale project in Brazil as well as managing the construction of power plants sites across different sites in Central and South America. A key requirement for the project was the need for a secure and stable system that is interoperable with other solutions and highly scalable. Polycom’s video solutions are powered by the RealPresence® Platform, the most comprehensive and interoperable UC software infrastructure for universal video collaboration which transforms islands of fragmented communications systems into a seamless culture of collaboration, with enterprise-grade video easily and securely accessible to all authorised personnel whether they’re mobile, remote, or on-site.

With an easy-to-use interface, proven reliability and capacity for multi-lateral collaborations, the video solutions have already been used frequently across POSCO’s offices including those in Seoul and Busan, and construction sites in many different parts of the world for everything from business and executive meetings, design and process review and remote inspections, to project team meetings with construction crew and remote site staff, conducting as many as 15 video calls a day on average, across the company’s global sites. By replacing business trips with video, the company secured a channel for quick information sharing and interactive collaboration, thereby helping to enhance productivity and ensure business continuity. The company frequently connects anywhere between 40 to 800 participants over video at the one time, and is benefitting from more streamlined operations.

As part of the project, POSCO E&C also deployed Polycom® RealPresence® Collaboration Server, a solution for multi-party conferencing, which supports features such as split screen effects and voice synthesis. With this solution, the company can securely and efficiently connect multiple parties across its 19 different offices and construction sites across continents. Combined with the Polycom video content sharing capabilities, POSCO E&C staff can more easily discuss process and design and view content up close in maximum clarity, allowing for more accurate and productive project review meetings, without having to hold face-to-face meetings.

“The result has been phenomenal,” said Jae-hyun Kwon, manager, Administrative Support Group, Management Support Division, POSCO E&C. “We have significantly accelerated our time-to-market on key projects, improved our productivity and cut our travel substantially. With Polycom’s high-quality video solutions, POSCO E&C’s Video Conferencing Project will continue to grow and progress well into the future,” Jae-hyun Kwon added.

Future plans

POSCO E&C plans to continue expanding its video conferencing system as it expands its global business. Going forward, POSCO E&C aims to create ‘Smart Meeting Culture’, where all employees can participate in video conferencing with not only the video conferencing system in the meeting rooms, but also desktop PCs and mobile devices.

Learn more

To find out how Polycom solutions can help your organisation, visit us at www.polycom.asia or speak with a Polycom Account Representative.
“POSCO E&C holds real-time video conferences, connecting anywhere between 40 to 800 people on a call at the one time, which has helped to accelerate our time-to-market significantly on key projects. With Polycom, we are satisfied in the success of our ‘Video Conferencing Project’ and expect to continue to grow and expand the solution well into the future.”

Jong-pyung Ahn, Infrastructure Support Group, POSCO ICT

Product Listing
Polycom® RealPresence® Room solution
• Polycom® HDX® 8000

Polycom® RealPresence® Platform solution
• Polycom® RealPresence® Collaboration Server

About Polycom
Polycom is the global leader in open standards-based unified communications and collaboration (UC&C) solutions for voice and video collaboration, trusted by more than 415,000 customers around the world. Polycom solutions are powered by the Polycom® RealPresence® Platform, comprehensive software infrastructure and rich APIs that interoperate with the broadest set of communication, business, mobile and cloud applications and devices to deliver secure face-to-face video collaboration in any environment.