

Daewoo Engineering and Construction

Korean engineering leader brings new efficiencies and data security to overseas projects with Adobe® Acrobat® software

Daewoo Engineering and Construction

www.daewooenc.com

DAEWOO E&C  대우건설

Industry

Architecture, Engineering & Construction

Challenges

- Improve information exchange among partners and customers
- Secure intellectual property and sensitive information
- Drive more efficient management of overseas projects

Solution

- Design collaboration
Daewoo E&C uses Adobe Acrobat to provide partners and customers streamlined, secure, and seamless collaboration for efficient management of overseas projects.

Results

- Enabled delivery of key project information to disparate, remote global sites
- Dramatically improved the security of sensitive information
- Allowed information sharing across multiple operating platforms

Systems At A Glance

- Adobe Acrobat
- Adobe Reader

Communicating across platforms and oceans

Daewoo Engineering & Construction (Daewoo E&C) provides comprehensive construction services from project planning through completion. The company specializes in industrial plant development, feasibility studies, master planning, design-build, construction management, and plant operation and maintenance.

With a business footprint that extends well beyond Korea, Daewoo faced challenges in efficiently managing and executing projects abroad. Often times, overseas construction projects take as little as a few months to several years, generating significant volumes of project documentation.

Communicating with numerous customers and hundreds of globally dispersed partners presented concerns about lack of document compatibility and data security concerns. To tackle this challenge, Daewoo uses Adobe Acrobat software to provide partners and customers with streamlined, secure access to documents in PDF for seamless collaboration and more efficient project management.

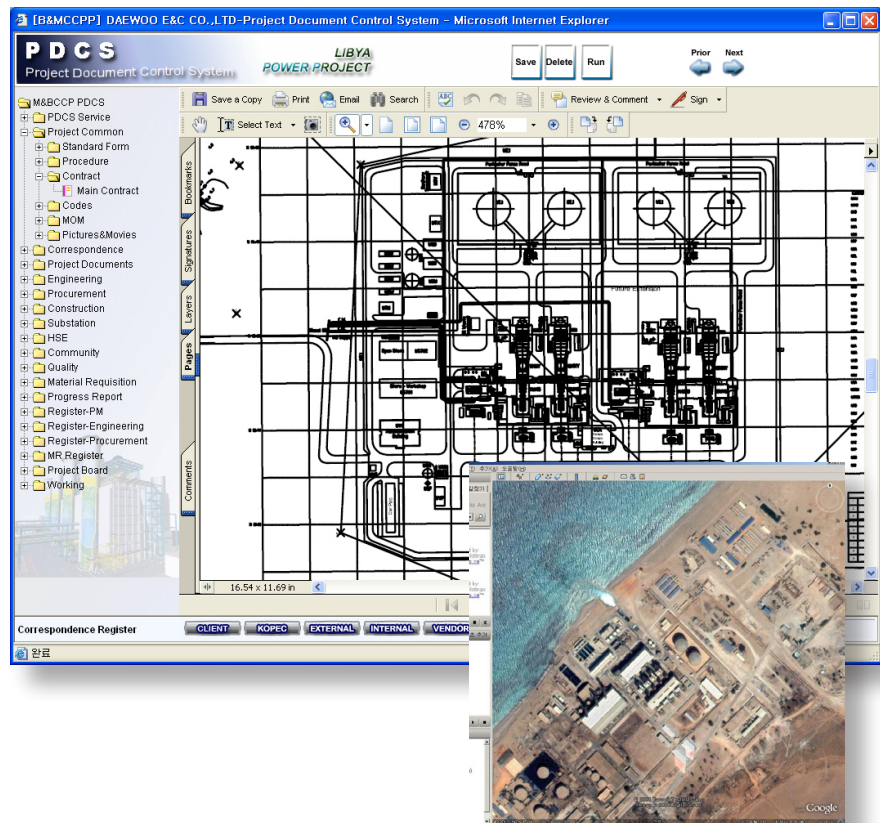
Easy, secure access from anywhere

Traditionally, parties involved with a Daewoo project have shared information by passing around original project documentation, which proved inefficient and largely ineffective. For instance, Daewoo E&C scanned important documents in order to preserve the format of the original files before transmission. However, the quality of the scanned images was often insufficient for use at a job site and transmission to overseas construction sites frequently failed, as many sites lacked updated communications networks.

With a wide variety of office environments, operating systems, and computing power, version compatibility and document security concerns were abundant. Of serious concern was that design drawings and technical documents—core assets of Daewoo E&C—were shared with external partners in their original formats. Releasing original documents in their original formats left the company's valuable intellectual property vulnerable to unauthorized access.

Daewoo set out to improve its ability to respond to customers and address the glitches experienced in communicating with its partners, while securing vital proprietary information. Because users need only the free Adobe Reader® to share and access secure documents, Daewoo and its customers and partners can exchange large technical documents in PDF across any operating platform without purchasing costly software or additional hardware. Leveraging the flexibility of Adobe Acrobat, construction managers and engineers can convert commonly used AutoCAD drawings and attach other supporting documents into encrypted PDF files for easy, secure collaboration without sacrificing the integrity of the original files.

Using Adobe Acrobat, Daewoo E&C provides its partners and customers with streamlined, secure access to documents in PDF for seamless collaboration and more efficient project management. Construction managers and engineers can convert commonly used AutoCAD drawings and attach other supporting documents into encrypted PDF files for easy, secure collaboration without sacrificing the integrity of the original files.



An efficient business model

Daewoo E&C built a seamless business environment using Adobe Acrobat for enhanced communication with its customers and clients. With Adobe PDF documents as the centerpiece of its collaborative efforts, Daewoo E&C can respond to customers more quickly and efficiently, while strengthening relationships.

The company and its partners are now able to efficiently and securely provide various additional materials and technical documents as PDF files in attachments instead of shipping documents individually, which is both costly and time-consuming. By converting project documents to PDF, valuable project information and priceless intellectual property can be easily accessed and are protected against unauthorized changes.

Daewoo E&C is using Adobe Acrobat to standardize the creation of proposals and status reports for delivery in PDF. With the widespread gains in efficiency, cost savings, and improved collaboration among partners and customers, the company is planning to deploy the solution to other areas of its business to support long-term objectives and to maintain its standing as a leader in the engineering and construction industry.



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