

The National Assembly of the Republic of Korea

Integrated Legislation Knowledge Management System

Adobe PDF Solution Brings Increased Usability, Productivity and Efficiency.

ABOUT THE CUSTOMER

- The National Assembly of the Republic of Korea
- Location: Seoul, Republic of Korea
- Number of Employees: 3,000
- Number of Site Visits: 230,000 per month
- www.assembly.go.kr

BENEFITS SUMMARY

- National Assembly can now provide real-time services on the Web for various documents with Adobe PDF solution including minutes of meetings, legislation, budgets and accounts, bills, etc.
- Adobe PDF solution enables users to easily read and search any documents regardless of their formats (images, Korean documents, etc.) with added features of highlight and bookmark. It is regarded as the best solution for servicing the National Assembly's information database.
- The National Assembly's Integrated Legislation Knowledge Management System greatly improved user convenience as well as reduced the cost and time required for database implementation.
- Instead of installing several viewers for Korean documents and images, it now requires only Adobe Acrobat Reader for anyone to view documents.
- For the first time, a public organization provides services for large volumes of documents with Adobe PDF, with the addition of the highlighted search and XML-based Tagged PDF technologies, allowing fast and accurate document search.

At the National Assembly (www.assembly.go.kr), dozens of meetings are held and vast amounts of new information on national administration is created daily. Today, this tremendous volume of information is being serviced in real-time on the Web thanks to Adobe Systems' Adobe PDF and Acrobat product family, together with the technology of its solution partner Unidocs, Inc. (www.unidocs.co.kr).

The National Assembly has been providing information services through its website from 1996, but many complaints have been posted on its message board because users had to install a Korean word processor and several image viewers (three different image viewers were used for different information systems) or they could not access the website. In addition, database costs escalated every year with increasing documents.

Therefore, it was necessary to construct a system that allowed low cost of maintaining databases and easy viewing of documents for any reader. Accordingly, the National Assembly started to take steps to implement the Integrated Legislation Knowledge Management System as an attempt to integrate individual information systems and their separate search and view features. Working thorough research and a verification process of six months, the National Assembly finally adopted the Adobe PDF solution.

The Adobe PDF solution, with its highlight and bookmark features, enabled users to easily view and search in full-text any document regardless of its format (images, Korean documents, etc.). Because of these capabilities, Adobe PDF was regarded as the optimum solution for the National Assembly's information services. As this was the first attempt to integrate various information system databases and search systems with Adobe

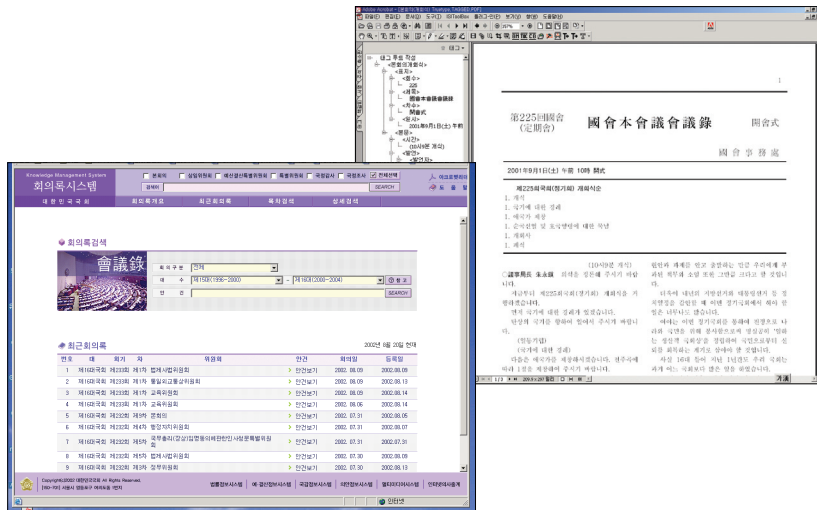
PDF solution, some hesitation was inevitable regarding it being "the solution." However, implementation of the Adobe PDF solution, brought many compliments and it is now considered a great success. In fact, the National Assembly's homepage won the grand prize in the homepage competition for government offices organized by the Electronic Times,

Best Choice: Adobe PDF Solution

The National Assembly's Integrated Legislation System, which was implemented with Adobe PDF solution starting from 2001 until June 2002 when the National Assembly Minutes of Meetings System was launched, was not only more convenient for users, but also greatly lowered the cost and time required for database implementation.

The first change after the implementation of the Integrated Legislation Knowledge Management System was heightened staff productivity. Since every task is automatically processed, staff members just upload documents to the Adobe PDF transformation server. The document is then automatically transformed into an Adobe PDF document, and the texts are extracted by a filter and sent to the Web after being automatically classified for the search engine. In addition, the minutes of meetings are generated into Tagged PDF documents combining the advantages of Adobe PDF and XML, and the issues, speakers and speeches are automatically classified and stored in corresponding databases. As a result, instead of the complexity of using several viewers for Korean documents and images, users can now easily view them with just Adobe Acrobat Reader.





The Minutes of Meetings System implemented with the Tagged PDF technology, automatically inserts hidden tags into the Korean documents and classifies them according to speakers, issue titles and speeches, saving staff the burden of manually adding each tag and classifying them.

“Aside from the fact that we have applied the Adobe PDF’s highlight search and Tagged Adobe PDF technologies to public documents for the first time, implementing the entire database with the Adobe PDF solution was the first attempt in the world. With the success of the National Assembly’s Integrated Legislation Knowledge Management System, we could acquire user convenience and high usability of databases. The National Assembly Library is also showing interest and seriously considering the solution.”

*Kim Jin Hong
Legislative Information
Systems Officer’s Office
The National Assembly Secretariat*

The second benefit is increased efficiency of document management and usability. With the FastWebView feature, document management is now convenient allowing for stable services without overloading the network, even if many images are combined into one Adobe PDF file.

While you are viewing a page with the FastWebView feature, other pages are loaded in the background, making it very efficient and fast. Furthermore, the highlight and Tagged PDF technologies, applied to Korean documents for the first time in the world, ensure a fast and accurate search. With the highlight feature, keywords entered by users are highlighted in the search results so that users can quickly locate the content they need without searching whole documents. It was also possible to search documents with keywords before, but displayed pages with keywords upfront, or highlighted keywords were not provided.

The Tagged PDF technology is the most remarkable feature of the Minutes of Meetings System. It automatically inserts tags in the speakers, issues and speeches during Adobe PDF file conversion. In other words, when a document composer checks particular parts in the issues, speakers and speeches, these are transformed into tags during Adobe PDF conversion. Compared to the old system where you had to add every single tag with SGML to accommodate the search, this represents a significant reduction in

both time and cost.

The third benefit is that now they can retain the formats of the original documents even when printing, and the printed minutes of meetings look exactly the same as the originals displayed on the Web. In addition, thanks to Adobe PDF fonts embedding technology, users of computers without Korean fonts installed can now view the documents of the National Assembly as well.

Last but not least, the cost of database implementation is now much less. For example, the minutes of meetings cost about 100 million Won annually just for providing SGML service. However, after implementing the electronic minutes of meetings automation system through Tagged PDF, there are no additional costs for the minutes of meetings database.

Mr. Kim Jin Hong in the Legislative Information Systems Officer’s Office of the National Assembly Secretariat, first suggested the implementation of the Adobe PDF solution in the National Assembly and researched many documents and case studies for several months prior, expressed his satisfaction of the Adobe PDF solution. He said, “Almost every user is responding favorably to the transformation of the National Assembly’s website, and colleagues in other divisions within the National Assembly come to us with unsparing compliments.”

SYSTEM CONFIGURATION

Adobe Acrobat
Adobe Acrobat Distiller Server
ezPDFgate
ezPDFspooler
ezPDFfilter
Hangul 2002 (the National Assembly stenography version)
IBM S80, IBM s85, AIX, Oracle
Compaq Proliant 8000

THE ADOBE PDF TECHNOLOGY USED FOR THE LEGISLATIVE INFORMATION SYSTEM

Font Embedded PDF
PDF Highlight Search
Fast Web View
XML-based Tagged PDF

ADOBE SOLUTION PARTNER

Unidocs, Inc. (www.unidocs.co.kr)



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