

the Decision Support System of the Power Supply Company of Longkou County

MANAGERS OF THE POWER SUPPLY COMPANY MAKE THEIR DECISIONS WITH OW2 SPAGOBI

Key Words :

- Business Intelligence
- Decision Support
- Power Supply

The Power Supply Company of Longkou County chooses SpagoBI to build their decision support system with heterogeneous data from legacy systems.



Organization

The Power Supply Company of Longkou County

Market

Energy

Status

Completed

Mission

To build a Business Intelligence and OLAP system.

Objective

To help end users analyse data and find the most important information.

Country

China

OW2 Project

SpagoBI

Summary of the Company

The Power Supply Company of Longkou County is one of the branches of the State Grid Corporation of China. The company is responsible for the electronic power supply of production and daily living of 630,000 residents. The energy supplied in 2006 is more than one billion KW.H.

The company has built 20+ information systems to support their daily work. These systems include energy management, substation automation, work management, human resource management, financial management and so on. There are lot of business data accumulated in these systems.

The Need for a Business Intelligence Software

With increasing business, the managers require more intelligent information system to help them mine the most valuable data to support their decisions. They want to analyse data in any dimension or arbitrary combined dimensions as well as data drilling. In another word, they need a Business Intelligence and OLAP system.

But the traditional OLTP technology applied inside current systems only provides simple query functions. It is not suitable for purpose.

The users want to build a new system to provide Business Intelligence and OLAP functions based on the legacy systems and data, while a low cost solution is preferred.

The objective is to build a Business Intelligence and OLAP system for the Power Supply Company of Longkou County. The system aims at data analysis and decision supporting.

How to Satisfy the Requirement

Having compared several BI and OLAP softwares, developers selected SpagoBI to build the system. SpagoBI provides a framework to integrate some other open source softwares such as Mondrian and Jpivot. With SpagoBI and integrated softwares, developers can model multidimensional cubes conveniently according to the business requirement. These cubes describe the business with dimensions as well as drill hierarchy of every dimension. When user issues an analysis request, the engine provided by SpagoBI creates the SQL statements dynamically with parameters and the relative cube to access database. SpagoBI also provide amazing view components to display the result.

烟台龙口市供电公司人事信息		人数		人数所占比例(%)	
		女性	男性	女性	男性
个人身份	专业	人数	人数	比例	比例
查看全部	查看全部	\$1,170	\$1,169	\$200	\$970
工人	查看全部	\$1,042	\$1,041	\$167	\$875
干部	查看全部	\$127	\$127	\$33	\$94
(空)		\$6	\$6	\$6	\$6
中文系		\$1	\$1	\$1	\$1
企业管理		\$3	\$3	\$3	\$3
会计		\$2	\$2	\$2	\$2
体育学		\$1	\$1	\$1	\$1
信息管理与信息系统		\$1	\$1	\$1	\$1
安全		\$1	\$1	\$1	\$1
军事理论		\$1	\$1	\$1	\$1
农业电气化		\$2	\$2	\$2	\$2
医疗		\$1	\$1	\$1	\$1
参谋		\$1	\$1	\$1	\$1
发电厂及电力系统		\$2	\$2	\$1	\$1
发电厂及自动化		\$1	\$1	\$1	\$1
国际贸易		\$1	\$1	\$1	\$1
基层指挥		\$1	\$1	\$1	\$1
工业电气		\$1	\$1	\$1	\$1
工业管		\$1	\$1	\$1	\$1
工商管理		\$1	\$1	\$1	\$1
应用数学		\$1	\$1	\$1	\$1
建筑工程		\$1	\$1	\$1	\$1
技术数学		\$1	\$1	\$1	\$1
护士		\$1	\$1	\$1	\$1
数学		\$1	\$1	\$1	\$1
无机非金属材料		\$1	\$1	\$1	\$1
机械化		\$1	\$1	\$1	\$1
机械		\$1	\$1	\$1	\$1
机械		\$4	\$4	\$1	\$3

The system was built more easily and quickly with SpagoBI.

- Leaving the complicate technology of creating SQL statements dynamically to SpagoBI, the developers pay more attention on the business logic and modelling cubes.
- The workload for developing user interface is light. Only few lines of code are required to embedded the view component into the JSP.
- It is a powerful but CHEAP solution because SpagoBI is open source and free.

The Results

Implementing the decision support system promotes end users' management.

- The managers can analyse data more flexible and powerful. Many analysis functions are hard to be implemented in legacy systems. It helps them to find the potential problems or business opportunities.

Professional Support SpagoBI

www.spagobi.com

- SpagoBI is an integration platform focused on business intelligence needs at the enterprise level.
- It's a full open source solution.

OW2

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About OW2

Founded in January 2007 as a result of the merger of ObjectWeb and OrientWare communities, OW2 is an independent industry consortium dedicated to developing open source code middleware and to fostering a vibrant community and business ecosystem. Building on the legacy of ObjectWeb and OrientWare, OW2 federates more than one hundred organizations and 6000 developers in Europe, Asia and the Americas. OW2 hosts over one hundred technology Projects, including Lomboz, Sync4j, eXo Platform, XWiki, SpagoBI and JOnAS. Several of the OW2 projects are combined into market-driven Initiatives, such as the ESB/SOA Initiative and the Business Intelligence Initiative, which facilitate their implementation by systems integrators, OEMs and end-users. A typical global open-source organization, OW2 aims to bring together grassroots communities across all continents through Local Chapters. [More information about OW2 is available at http://www.ow2.org.](http://www.ow2.org)

