

Decision-making process with SpagoBI

## SPAGOBI FOR THE DECISION-MAKING PROCESS OF G.E.I. (TUNISIA)

### Key Words :

- Business Intelligence
- Integration
- Open Source
- Management Process

*Generale d'Equipelement Industriel (Tunisia) supports its decision-making process by means of SpagoBI*



### Organization

Generale d'Equipelement Industriel

### Market

Commerce

### Status

Private Company

### Mission

Household electrical appliances

### Objective

Wholesale trade of electrical appliances

### Country

Tunisia

### OW2 Project



/\* the Business Intelligence Free Platform \*/

### Generale d'Equipelement Industriel

Generale d'Equipelement Industriel (G.E.I.) is an important company operating in the wholesale trade of household electrical appliances.

### BI Platform Supporting the Management Process

BIForDecide, the first Tunisian open source business intelligence integrator in North Africa, has deployed SpagoBI for Generale D'Equipelement Industriel.

The project realized by BIForDecide, called "Projet Co-PILOT", offers the managers of G.E.I. a set of supporting tools to be used in the decision-making process, such as dashboards, reports and OLAP cubes.

The project includes different open source BI tools, such as: MySQL database, Talend ETL, SpagoBI platform including JasperReports and Mondrian/Jivot.

Before the introduction of CoPilot, decision makers in G.E.I. were manually extracting and analysing data locally, thus running risk of generating inconsistent data and analysis.

The data consolidation into a DWH reduced this risk and introduced a monitoring platform characterised by completeness of information and easy usage.

## System Architecture

CoPilot is build around two OW2 projects: Talend Open Studio and SpagoBI. Data is collected from the SAGE ERP, normalized and loaded into a DWH where several analysis are done using:

- Reports
- OLAP Analysis
- Dashboards (refreshed at short intervals)

CoPilot provides an original module to define and manage an action plan to suggest corrective actions.

CoPilot fully exploits the navigational capabilities of SpagoBI to link information and cross navigate among it.



The analysis are focused on:

- Performance Dashboard:** Dashboard showing real-time values of main indicators: selling, service rate, service selling, delivery delay
- Supplier analysis:** to analyse the reliability of suppliers, cross-navigating through all information in a secure way.
- Customer analysis:** to analyse the customer service and revenues from different points of view and dimensions (OLAP analysis).
- Alerts:** instant or programmatic alerts; automatic detection of anomalies
- Action plan:** generating and managing action plans to solve detected problems

**The Results** Thanks to CoPilot, the solution made by BIForDecide by means of SpagoBI, the decision makers in G.E.I. can follow their indicators in real time, access to analytical data with a higher frequency, navigate through different analysis to investigate the reasons of problems and inefficiencies in order to rapidly take corrective actions.

### Professional Support



- Engineering Ingegneria Informatica provides the core development team of the SpagoBI platform, professional services and technical support.
- BIForDecide, Tunisian partner of SpagoBI, provides the domain competence and the analytical documents development

### 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 Lombos, 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)

