The TURIN ASL 3 chose SpagoBI to help innovating its budget card distribution system to all operational units of hospitals and territorial districts.

Turin ASL3
In the Italian National Health Service, the local health care institutions are called ASL (Azienda Sanitaria Locale). Turin ASL 3 born in 1995; it manages two city hospitals (Amedeo di Savoia and Maria Vittoria) and covers the primary health care (ambulatory, general practitioners, consulting room, test house, ...) in two territorial districts including several quarters of the city of Turin. The aim of the ASL 3 is to manage activities of prevention and cure in order to guard the health of all citizens present in its territory.

Due to the rationalization of the Piemonte Region health care system, starting from 2008, ASL 3 will be unified with ASL 4, in order to create a new bigger local health care institution. The SpagoBI portal designed for the ASL 3 will be worked up at the new ASL, improving the use rate and defining new goals to be reached.

The Need for Budget Card Distribution and Health data analysis

The main need of ASL 3 was to distribute the budget card to all the hospitals and territorial operational units. Before SpagoBI introduction, this process was manually managed with paper document; this duty was requesting a considerable amount of time with a high engagement of human resources, who were blocked to face their decision-making activities.

Another goal was to extend the data analysis domain to the health information (admission, territorial outpatient clinic, drug distribution, ...) in order to obtain markers and ratios, for supporting the operational units and the management in their decision-making activities.
The Architecture of the System

The solution imposes a significant behavioural model to outline the users of various sections (Management and Quality Control, Informative System, Operative Departments and Units and Enterprise Management) and diversifying by role the portal environment, the availability of analytical documents, the visibility of data. The analytical base supports various analyses (OLAP, reporting, QbE, dashboard), all the economic dimensions and the detailed information regarding the services and the admissions.

Nowadays, the portal is used by about 60 different operational units, with an high frequency of logins from the hospital wards and the territorial units.

Main analysis classes are:
- budget card and assessment work
- case mix studies
- reciprocal relation between outcome and absorbed resources
- marker and ratios
- trend studies

The queries to the DWH are managed both by static and interactive reporting.

Implementing SpagoBI improves the decisional process:

- The budget management is now a completely automated and controlled process while in the past it was mainly manual and not integrated; a wider range of hospitals and territorial district has been reached by the process.
- Thanks to the behavioural model of SpagoBI, the right information is provided to the right people according to their own profiles.

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, Syno4j, 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.

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