

Case Study - Business Challenge

Description:

A leading Hydraulic Valves Manufacturing company in USA, having presence in 9 different locations out of which 6 are manufacturing plants and 3 are the regional controlling offices looking after the overall operations including Production, Finance and Sales. Company manufactures 3 different types of valves supplying it to 12 countries. The basic challenge for the top management was to keep a close eye on the manufacturing plants for their operations. On the other hand, there was a difficulty in reporting and reconciliation of the reports that are generated by the Plant heads and 3 regional controlling offices. Another vital area for the reports was accurate sales figures for 12 countries to which they were supplying the valves.

The pain areas of the client were



Existing MIS was unable to provide a comprehensive reporting that supports the decision making

Reconciliation of the report generated by two types of sources, i.e., Plant heads and offices was a challenging task for the business heads

Informative representation of sales statistics was highly essential.

Process

eLuminous closely observed the overall working of the manufacturing plants and the controlling offices.

We identified the real pain areas of the top management and discussed the hurdles which were making decision-making a tough job.

We concluded to provide an effective reporting and reconciliation of reports and focused our BI solution towards a cutting-edge data representation



Solution



Using Pentaho, we designed the ETL process required for the report generation and designed the OLAP cubes for the same to reconcile reports submitted by 2 different sources i.e Plant heads and controlling offices.

Sales, Production and Cost were the 3 important dimensions for the ANALYTICAL REPORTS and this was taken care by Pentaho analytics tool.

Management was provided with a comprehensive dashboard and report generation facility which ultimately benefited the management in terms of Strategy Making for Cost Reduction and over all database management.

Benefits to the client

After successful implementation of the BI solution, the observed cost reduction was 5.1% which was a Key Success Area for the client.

Flexible report generation provided meaningful insights and was made so easy that it saved thousands of work hours for the client.

Our BI solution helped the client to get precise and timely information which eventually increased their business productivity by 7% approx.

