Business Intelligence: Dashboard of financial performance indicators for oil trading and services companies. A Multidimensional View to support decision making

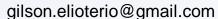
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Abbreviated abstract: Currently, companies face a new reality in which competition is increasingly fierce and the market is increasingly demanding. In this scenario, data analysis has been increasingly used in companies as a foundation for strategic and operational decision-making. BI solutions have gained more and more space, as they allow the transformation of data into useful information, in order to obtain insights to make strategic decisions and have become indispensable for organizations.

Related publications:

KIMBALL, R. The data warehouse toolkit (1994)
INMON, W. H. Building The Data Warehouse (2005)



Problem, Data, Previous Works

Today, many corporates do not use data-driven insights as a foundation for decisionmaking.

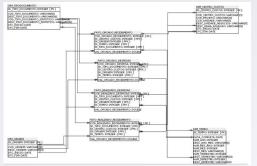
In this scenario, we propose to build and provide a Business Intelligence (BI) solution to Fluxo Soluções Integradas, a company that has been operating for almost 50 years in the oil trade, solutions and services market, to support decision-making through a Panel of Indicators of financial performance that can be the company identifying potential improvements.

For this, we will describe all stages of the BI solution, from surveying needs to building the dashboard of indicators, which will allow the company to monitor and measure its formance in an easy and intuitive way.

Methods

Steps

- Understand the business;
- Definition of Indicators;
- Survey of needs;
- Data mapping;
- Datawarehouse Modeling;
- Data loading;
- Data visualization.









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Results and Conclusions

As a result, we expect the company to benefit from the implementation, using it as a foundation to structure and improve its internal processes based on the analysis of its data, monitor its financial performance indicators through the generated insights, minimize risks, make strategic decisions and more assertive operations, in addition to responding more quickly to market changes, improving productivity, efficiency and reducing costs.





