

MODERN DATA WAREHOUSE FOR A RETAIL COMPANY

In order to complete the need of processing, modeling, and reporting a retail company data set, Noesis' team created a Data Warehouse solution in order to centralize information from the business in the cloud.

Azure services combined with Power BI enable to connect and analyze the entire data, and easily share insights across the organization.



Sector:
Retail

Business Unit:
Data Analytics & AI

Solution:
Azure & Power BI

 **100+**
KPI

 **2**
Consultants

 **20+**
Dimensions

100%
Cloud



THE CHALLENGE

Retail companies have large distribution networks, which includes chains of several stores with different dimensions and locations all across the globe. The amount of data produced by this kind of companies are huge, and have origin in all business areas, like marketing, sales or finances.

These different sources of information can lead to disorganization with data spread in different software and databases. For that reason, the challenge to control and manage information is crucial to improve company's performance.

GOALS

The main goal of this project was to create a Business Intelligence platform with an agile Data Warehouse in order to:

- › Ease information management process with a platform always available;
- › Reduce overall cost of ownership by providing teams with the right tools to improve collaborative work;
- › Enable to scale the amounts of data that are managed in the platform;
- › Refresh of the standard reports consumed by business teams;
- › Provide a user-friendly design with analytical dashboards that integrate spread data and information across the business areas;
- › Ensure security of data and information.

SOLUTION

Our Data Analytics & AI Team have designed and implemented a modern Data Warehouse in order to centralize information from sales, financial and market in Azure Cloud. This solution has guaranteed a set of data models in Power BI for the retail company's reporting.

The solution's main features are:

- Scalability of all resources, allowing the solution to easily adapt to the volume of ingesting and transforming data;
- Centralization of all data from distinct data sources and different business areas;
- Ease collaboration between teams all over the company;
- Market share information integrated to compare business growth with direct competitors;
- More than 100 KPIs implemented over 20+ analysis dimensions;
- Users ability to perform ad-hoc data analysis and report design.



Founded in 1995, Noesis is a leading international technology consultant, offering services and solutions to support its customers in digital transformation and business development. In order to create sustainable value across all sectors, Noesis provides solutions focused on IT infrastructure, software development, quality management and people.



Noesis and Microsoft have established a partnership that is based on the exchange of experiences, technological advice and continuous training, and that ensures an offer with access to the best technological platforms and the excellence of quality of services that are characteristic of these two organizations.

THE RESULT

The developed solution allowed that:

- Most of teams across the company are already using the Data Warehouse as the source of truth to extract insights;
- Data is refreshed daily without the need for manual intervention: all processes are now automatized;
- High-level adoption by users of the front-end solutions developed;
- Reduction of new projects' development time;
- Analytics is more accessible than ever – from desktop, web or mobile devices.



With Microsoft's Power BI it is easy to unify data from many sources to create interactive, immersive dashboards and reports that provide actionable insights and drive business results.