

Data Director

[QNT]



Enable the monetization of company data, improving company decision making

Main benefits

Decision-making, efficiency, monetisation: “data is the new oil”

Data Director is S2E’s logical data warehouse in response to the needs of companies to extract value from heterogeneous data sources, overcoming ‘silo’ logic. An integrated process of collecting, enriching and analysing business data allows the company to make informed strategic decisions in uncertain environments, gaining confidence and agility in taking the company’s strategic posture. Data Director is the solution for the flexible management of every aspect of the data collection and transformation chain into monetisable information.

Scope

Companies characterised by the intensity, quantity and variety of the data produced require an evolved approach to meet the organisation’s information needs. The presence of data generation sources in the company requires a structured approach to harmonise and standardise their transformation process into usable insights. The stratification of applications based on different technologies makes a unified, continuous and reliable flow of data impossible, compromising the reliability and effectiveness of business intelligence and analytics activities.

Challenges facing companies

Traditional data management solutions are characterised by a low level of integration between data warehouse, data lake, and business intelligence and analytics technologies. This not only constitutes a high total cost of ownership, but also compromises the reliability and quality of the information produced, reducing the time-to-market of the process of transforming data into information. The traditional approach is often unsuitable for dealing with technological evolution and extracting information from new types of complex and unstructured data, such as text, images and audio.

The advantages offered

Data Director produces positive externalities on the entire organisation, at a strategic level. The company’s top management benefits from complete, reliable and fast information that can guide business strategy or capture market developments and critical issues. The corporate CIO ensures that the process of transforming data into information is secure, scalable and integrated. Enterprise data experts, such as business analysts and data scientists have real time processed data at their disposal.



S2E: approach and proposed methodology

S2E's logical data warehouse, Data Director, is the answer to the need to harmonise the flow of corporate data for the monetisation of quality information. Thanks to our expertise and mastery of the world of Big Data and data analytics, we are the right partner for the scalability, adaptability and flexibility required for the realisation of logical data warehouses capable of adapting to the uniqueness of the customer's structural environment, both application and data produced. Data Director is realised through the selection of best of breed technologies, typically open source, selected and implemented to adapt to the client's technological environment. Our approach is technology agnostic, designed to integrate into any application and infrastructure context, oriented towards scalability, high computability and performance.

Priority reliance on open source technologies allows us to lower the total cost of ownership, guaranteeing quality of performance at low cost.

Future development benefits

The main advantages of Data Director from S2E are:

1. Improvement of information-based business decision-making.
2. Reduced total cost of ownership through reliance on open source technologies.
3. Speeding up the time-to-market process of transforming data into information.
4. Overcoming the silo logic typical of the traditional approach.
5. Enrichment of data quality by enabling data monetisation initiatives.

A process of structuring reliable and quality data is often the main obstacle to the extensive implementation of artificial intelligence initiatives in the enterprise. Data Director is the ideal guarantee for the deployment of AI-driven business strategies.

Offer model

Data Director is an S2E offer realised on a project basis according to the customer's needs. Through an assessment phase, we analyse the type, variety and quantity of data volumes produced by the organisation, as well as their origin, storage needs, and current processing methods including the transformation and enrichment steps that make up the data processing chain.

At the end of the analysis phase, our team of experts will design the appropriate solution for the processing and performance needs according to the logical data warehouse model.