

Need: Better data for decision making

Data-driven businesses today require more comprehensive information for supporting data insights, analytics and self-service BI. Data is originally generated and located in multiple business systems, from where no single truth or single-set-of-numbers can't be easily provided. Data needs to be transformed and stored centrally to achieve e.g.

- Unified view across multiple source systems
- Parallel perspectives or versions for information
- Data snapshots describing the change
- Long term trends (history, forecasts incl. data from old business systems) and pre-calculated KPIs
- Reference data from external sources
- AI/ML/algorithm-based data processing, storing and providing of results

Solution: Azure Data Platform and Power BI

Modern Cloud based Data Platform providing consistent data for data-driven decision making, analytics and self-service BI with Power BI visualization capabilities, enabling use cases like

- Management KPIs and dashboards
- Reporting and analysis needs from business and support functions
- Cost and profitability calculations and performance reporting
- Actuals against forecasts and goals monitoring and analysis

Architecture

Microsoft Azure Data platform with Power BI provides scalable services for data aggregation, storing (data lake and data warehouse) and management to be used with the Power BI visualization tool and analytics.. Architecture can later be extended for implementing and running data-driven analytics (AI / ML).

The main components of the technical implementation are the following Azure/Microsoft services

- Azure Data Factory
- Azure Data Lake Storage Gen2
- Azure SQL Database or Azure Synapse Analytics
- Azure DevOps Services
- Power BI service

Service content

The service covers configuration of the Azure Data Platform and definition and implementation of the first analytics use case:

- Data flows from a single source system to DW

- Data Vault 2.0 based DW modelling and implementation
- Data Mart layer implementation
- Power BI based visualization
- CI/CD pipelines implemented with Azure DevOps services

PRICING AND SCHEDULE

The workload varies depending on the scope of the study. Typically, the price is around 60 000 € (excluding VAT). At the opening meeting, the scope is decided, and the workload is confirmed accordingly.

The pricing is estimated, final pricing will be determined based on customer scenario's complexity and size.