Lift your data platform

We enable your data products

Adapt
and
Enable

LIFT YOUR DATA PLATFORM

WHY

- Companies want to **become data-driven**
  - … by exploiting all **available data**
  - … by taking **informed decisions**
  - … by **embedding AI services** into daily operations
- Existing **data platforms**
  - … can have **scalability issues**
  - … can have **slow processing times**
  - … can have a **high cost** (software & people)

WHAT

- Together we **design** and **implement** a data platform with **state-of-the-art technologies**
- We **gain trust** by iteratively realizing **business cases**
- We **empower your team** to build **data products** independently
- We establish a **practical governance framework**, enabling effective (data) management and control on the platform

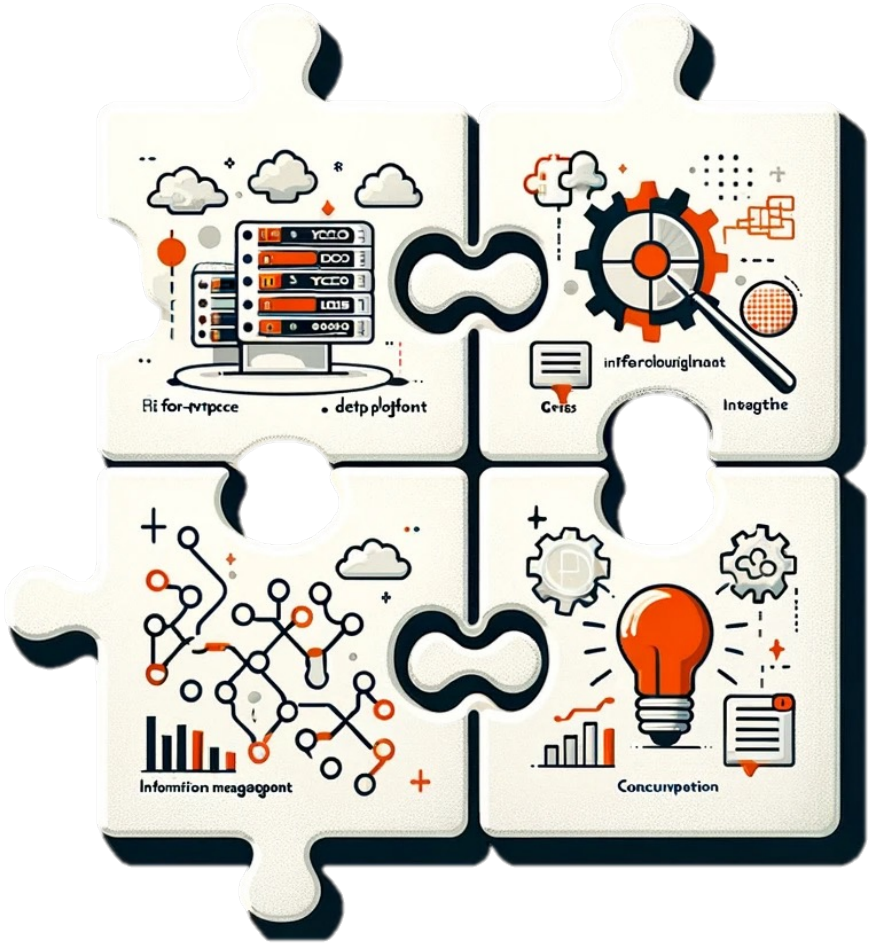
REACH YOUR **DATA DESTINATION**

Data Platform

A fit for purpose data platform provides the right technology to build and scale your data products.

Data Strategy

A business-driven data strategy and cultures aligns the different data initiatives.



Data Product Thinking

A pragmatic application of the F.A.I.R. principles for your data optimizes data product consumption.

Agile Data Operations

An automated set data operations promotes a faster time-to-market for your data projects.

OVERCOME YOUR **OBSTACLES**

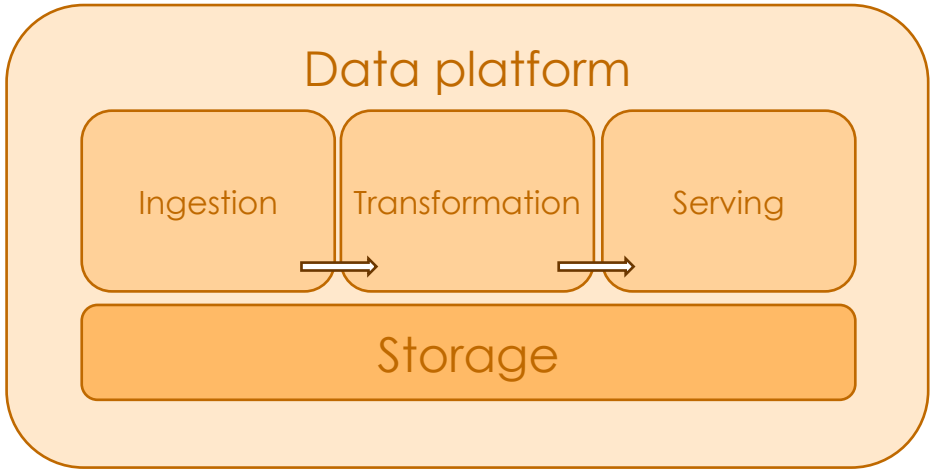
- Data insights take too long
- Your teams depend on IT to create new products
- Your data lives in silos
- You lose valuable time on manual work
- Your data is of poor quality
- Your platform is not ready for AI
- Nobody dares to touch the legacy
- Hard to find skilled people

OUR **SHARED GOALS**

- Reduced time to data insights
- Empowerment of your teams
- Productize your data
- Automate your work

OUR VISION ON A DATA PLATFORM

- We start from **reference architectures** and tailor it based on your needs
- We go for a **modular design**: technologies can be swapped
- We apply **software engineering** best practices (CI/CD, testing, cloud-native, infra-as-code, …)
- We **empower your teams** to create data products independently, leveraging their existing skills (e.g. SQL)
- We go for a pragmatic and efficient **data management framework**



HOW DO WE WORK

- Target architecture
- Implementation roadmap
- Platform KPIs

- Implement platform
- Prove business value
- Empower your team

- Day-to-day operations
- Training and support of different user groups

PROXIMUS CASE

Real-time data platform

Business Context

The Proximus Group is a provider of digital services and communication in Belgium and the international markets. In Belgium, its main products and services are offered under the Proximus, Scarlet, and Mobile Vikings brands.

Proximus wants to become a data-driven company that can make the right decisions for its customers, based on the valuable insights of their data platform.

Challenge

The data platform of Proximus was batch-oriented. To address today's challenges, it was required to create a real-time component on this data platform. It would allow a real-time monitoring of critical infrastructure, do a real-time follow-up of new business campaigns and to allow real-time steering of business objectives.

Outcome

In co-creation with Proximus, we have setup a real-time platform based on state-of-the-art streaming technologies, allowing to create real-time data products based on incoming data.

This data can be embedded from a variety of sources: TV boxes, phone data, operational applications, point of sales, … and supplied towards a variety of consumers.

LCM CASE

Data Science Platform

Business Context

The Landsbond der Christelijke Mutualiteiten (LCM), commonly known as the Christelijke Mutualiteit (CM), is a Belgian health insurance fund that groups together two regional mutual insurance funds. With its four and a half million members, CM is by far the largest health insurance fund in the country.

CM has evolved over time into a dynamic organization that is active in many areas.

Challenge

LCM wants to proactively use its data for providing a better user experience for its members, for improving its operational work and for digitalizing its service portfolio.

The existing on-prem infrastructure puts a limit on the possibilities of embedding new data science cases and providing timely insights to business users.

Outcome

In co-creation with LCM, we implemented a new data science platform on the cloud. Data scientists could easily setup experiments from notebooks, create AI-driven applications and push these applications towards production.

Business owners can create reports on top of curated data sets within their favorite visualization tool.

GS1 CASE

Data Integration Platform

Business Context

The sound of a beep at the checkout counter. The GS1 barcode launched a digital revolution that forever changed the way the world does business. With a simple scan a product could be identified and connected to a computerized system.

Companies of all sizes need barcode numbers to correctly identify and sell their products in stores or online. The power of the data captured through the barcode is helping to solve large and complex industry challenges.

Challenge

The challenge of GS1 was three-fold: Achieve and maintain high data quality standard, rebuild a fragmented, siloed application landscape into a micro-services landscape with a small IT department and finally monetize available data

Outcome

Business applications are fit into micro-services at GS1. We have implemented a data integration platform that integrates all flows of data between these micro-services. The platform integrates several data sources and makes them seamlessly available to all microservices. On top of that, data quality challenges are addressed by a shift-left approach: the quality of incoming data is measured from the first moment and corresponding feedback is looped back to data producers.

E-POWER CASE

Modern Data Warehouse

Business Context

The story of e-power modestly begins in 1990 in the barn of a family farm in the rural village of Nieuwerkerken, close to Sint-Truiden. Over the years, the company evolves to a global player and becomes the largest manufacturer of small generating sets and welding generators in the Benelux.

The secret of this success lies in 2 core values: the constant drive to customer satisfaction and delivering the highest quality.

Challenge

Supply chain management and demand forecasting is crucial in a manufacturing company as e-power. The responsible managers started to use self-collected data sets from operational systems to build Power BI dashboards.

The limited historical data in these operational systems, the cumbersome manual export process and the poor data modelling make it hard to create accurate predictions.

Outcome

AE has set up a modern data warehouse. Data from different operational data sources are automatically collected, historized and transformed into a performant star schema. e-power can now make better predictions of incoming orders and the necessary supply for these.

THANK YOU

www.ae.be
inspire@ae.be

+32 16 39 30 60
Interleuvenlaan 27b
3001 Heverlee