# ElitModern Data Platform

Elitmind for Business

Microsoft Partner
Gold Data Analytics
Gold Cloud Platform
Gold Data Platform
Gold DevOps
Gold Datacenter
Microsoft

We help to build a **framework** for **digital transformation**

# Are you familiar with these problems?

How to get rid of **data silos**?

How to use **data lake** for analytics?

How to get rid of **reporting chaos**?

How to run managed **self-service** analytics?

How to **model data** effectively?

How to **integrate** the worlds of unstructured and relational data?

How to **operationalize** Machine Learning models?

# How to enable Modern Analytics power?

Platform ready for **all data**

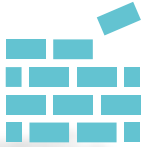Scalability depending on your needs, thanks to **cloud platform**

Enrich analytics through **innovative approaches**

# Platform ready for **all data**

**Integrate data from all your business** areas despite of format and source of your data

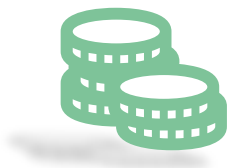Respond to **quickly changing business requirements**
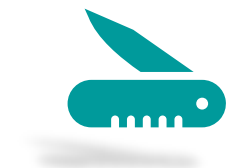
**Securing data** is mandatory

Creating a **modern data catalog** is key to finding and connecting siloed enterprise data

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# Scalability depending on your needs, thanks to cloud platform

**Cost-effectiveness.** The cloud allows us to set up the resources when we need them. This enables a completely new and effective approach to cost management.

**Flexibility.** Modern analytical platforms based on the cloud enable the use of a set of necessary tools delivered basically "on the spot".

**Implementation speed.** By using cloud services, we can create the necessary environment in one day and start development the next day. This is a significant improvement, thanks to which we can deliver the required functionalities much faster and start monetizing the benefits.

# Enrich analytics through **innovative approaches**

Development of a **scalable environment architecture** for analytics and reporting platform.

Customize insights thanks to **Power BI** compatibility

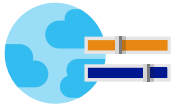**Data science** empowers us to go farther. **AI/ML** creates smarter organizations

# Integrated solution developed by Elitmind based on analytical services from Microsoft Azure platform

## Unified analytics platform

Perform data integration, data exploration, data warehousing, big data analytics, and machine learning tasks from a single, unified environment.

## Serverless and dedicated options

Support both data lake and data warehouse use cases and choose the most cost-effective pricing option for each workload

## Choice of language

Use your preferred language, including T-SQL, Python, Scala, Spark SQL, and .Net—whether you use serverless or dedicated resources.

## End-to-end management and monitoring

Simplify the monotonous, but necessary, data tasks that each team must do—secure your Synapse workspace and we'll take care of the rest.

## Enterprise data warehousing

Build your mission-critical data warehouse on the proven foundation of the industry's top-performing SQL engine.

## Data lake exploration

Bring together relational and nonrelational data and easily query files in the data lake with the same service you use to build data warehousing solutions.
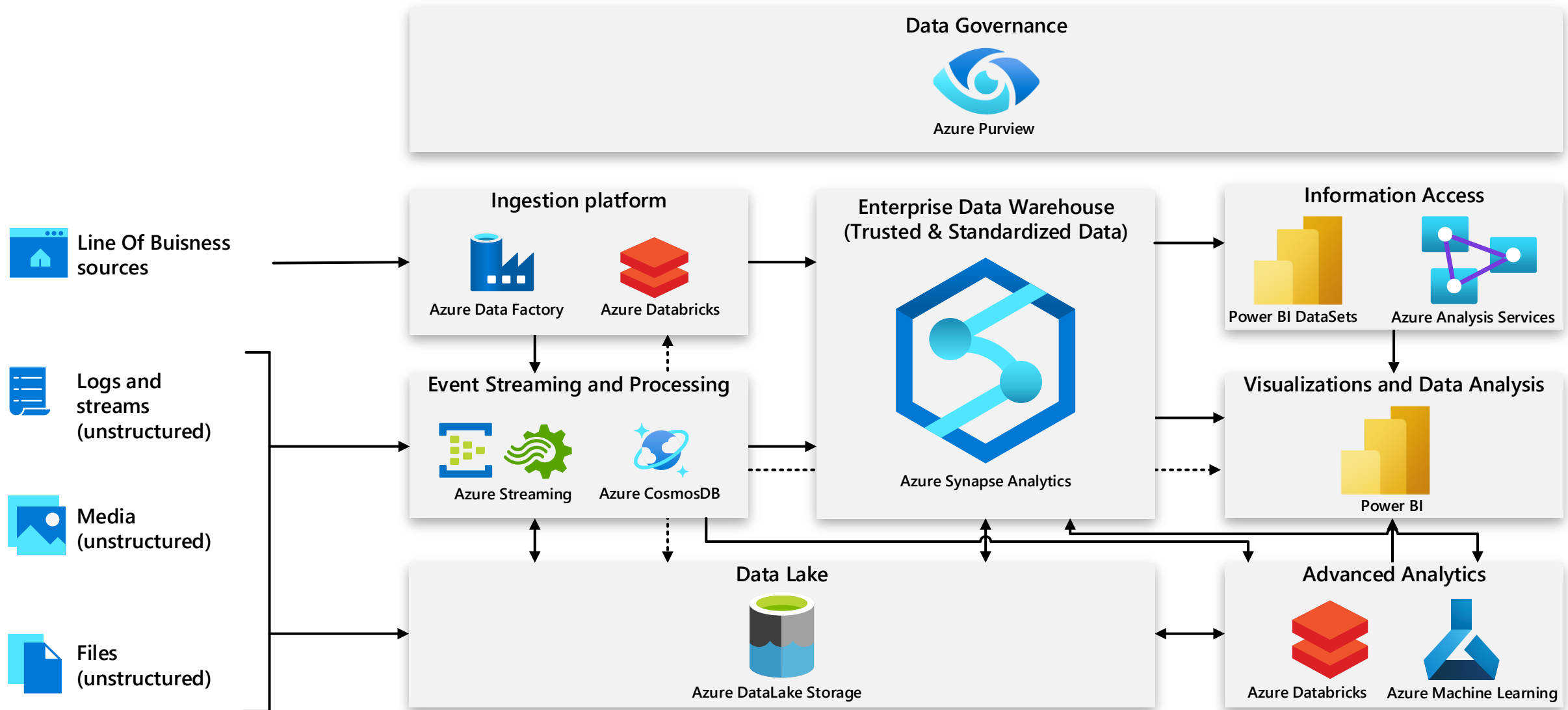
## Integrated AI and BI

Complete your end-to-end analytics solution with deep integration of Azure Machine Learning, Azure Cognitive Services, and Power BI.

# Solution architecture

# Business Story
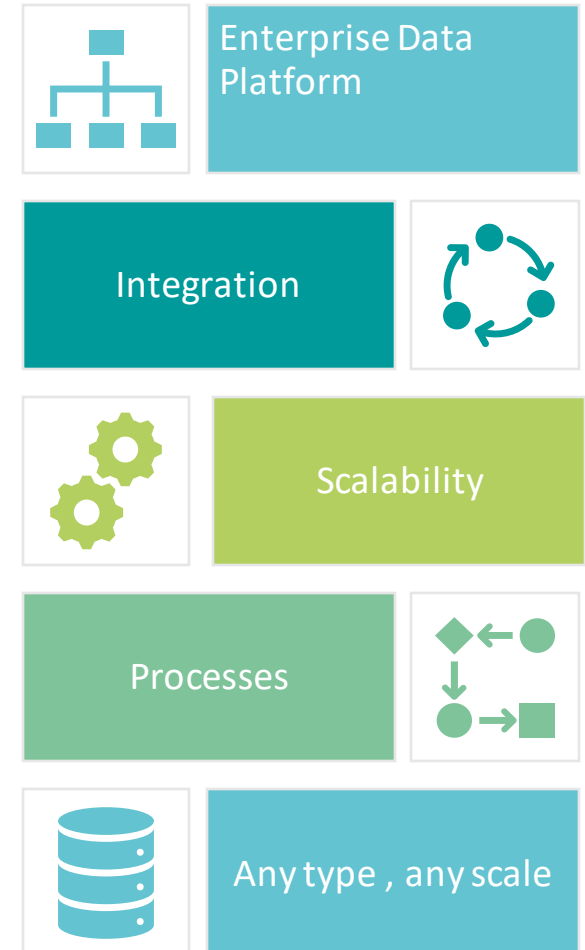## Large international Utilities company

**Problem**: Design **comprehensive, end-to-end data platform** enabling data analysis of any type at any scale.

**Solution**:

- **High- and low-level design** of data platform architecture with thorough documentation of every component.
- **Case driven architectures** for each type of data processing.
- Consolidation of all **advantages and disadvantages** of Azure technologies.

**Business value**:

- Clear direction of **what, when and how** to use for **every buisness scenario** involving data analysis.
- Collection of **best practices** for each data analytic scenario including **processes**.
- Fully guided **road maps for technology adoption** ensuring that every new project fits the **standard** of new architecture at every level.
- Set of recommendations for **Cost Optimization** and **Scaling Strategy** (Vertically and Horizontally).
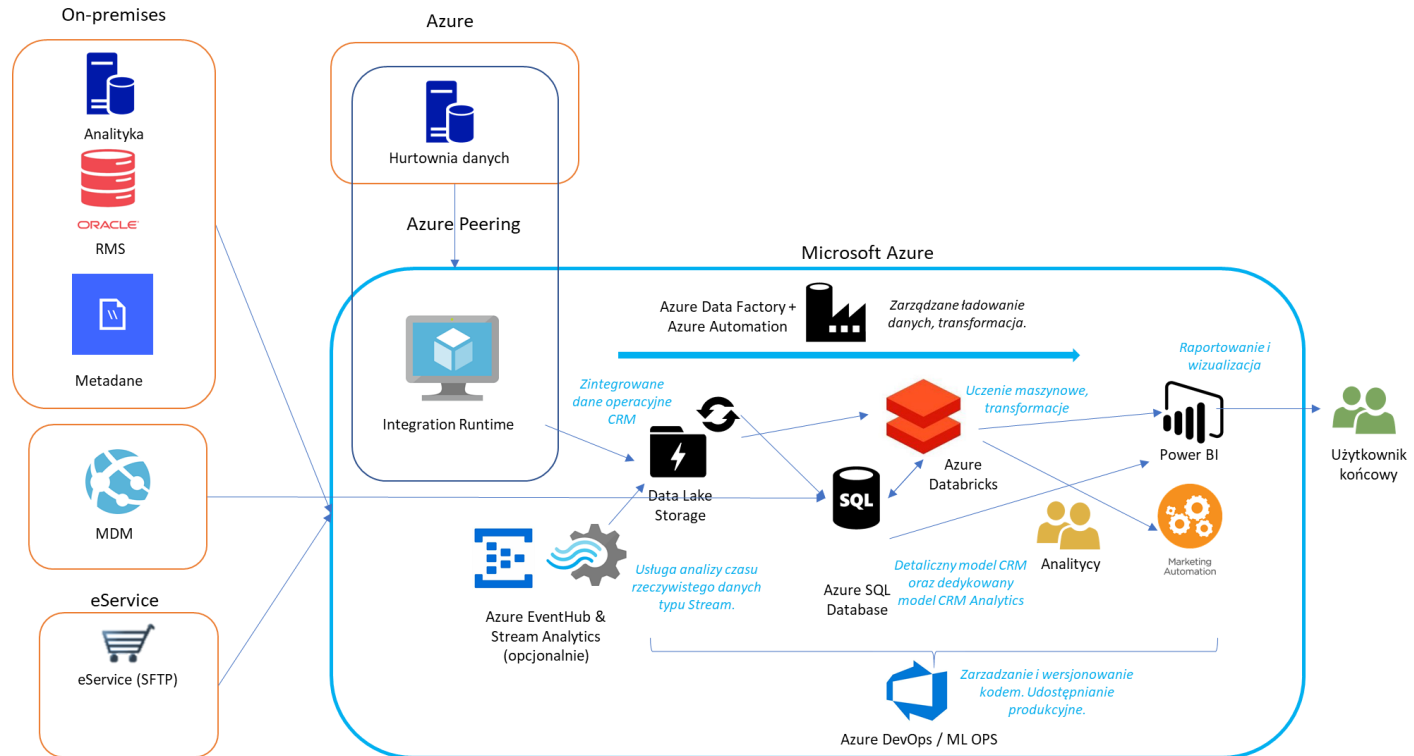
Enterprise Data Platform

Integration

Scalability

Processes

Any type , any scale

# Business Story
## Marketing analytics platform

**Problem**: **manual** and **error-prone** process of handling and preparing marketing campaigns.

**Solution**: **automatic** process of data integration from business systems and reporting campaign effectiveness in **near real time**, thematic **data warehouse**, **predictive** models for customer segmentation and churn analysis, **integration with marketing automation**.

**Business value**: **time saving**, elimination of errors in reports, possibility of **immediate reaction** to problems in campaigns.

On-premises

Analityka

RMS

Metadane

MDM

eService

eService (SFTP)

Azure

Hurtownia danych

Azure Peering

Integration Runtime

Microsoft Azure

Azure Data Factory + Azure Automation

*Zarządzane ładowanie danych, transformacja.*

*Zintegrowane dane operacyjne CRM*

*Raportowanie i wizualizacja*

Data Lake Storage

Azure Databricks

*Uczenie maszynowe, transformacje*

Power BI

Użytkownik końcowy

Azure EventHub & Stream Analytics (opcjonalnie)

*Usługa analizy czasu rzeczywistego danych typu Stream.*

Azure SQL Database

*Detaliczny model CRM oraz dedykowany model CRM Analytics*

Analitycy

Marketing Automation

Azure DevOps / ML OPS

*Zarzadzanie i wersjonowanie kodem. Udostępnianie produkcyjne.*

# Business Story
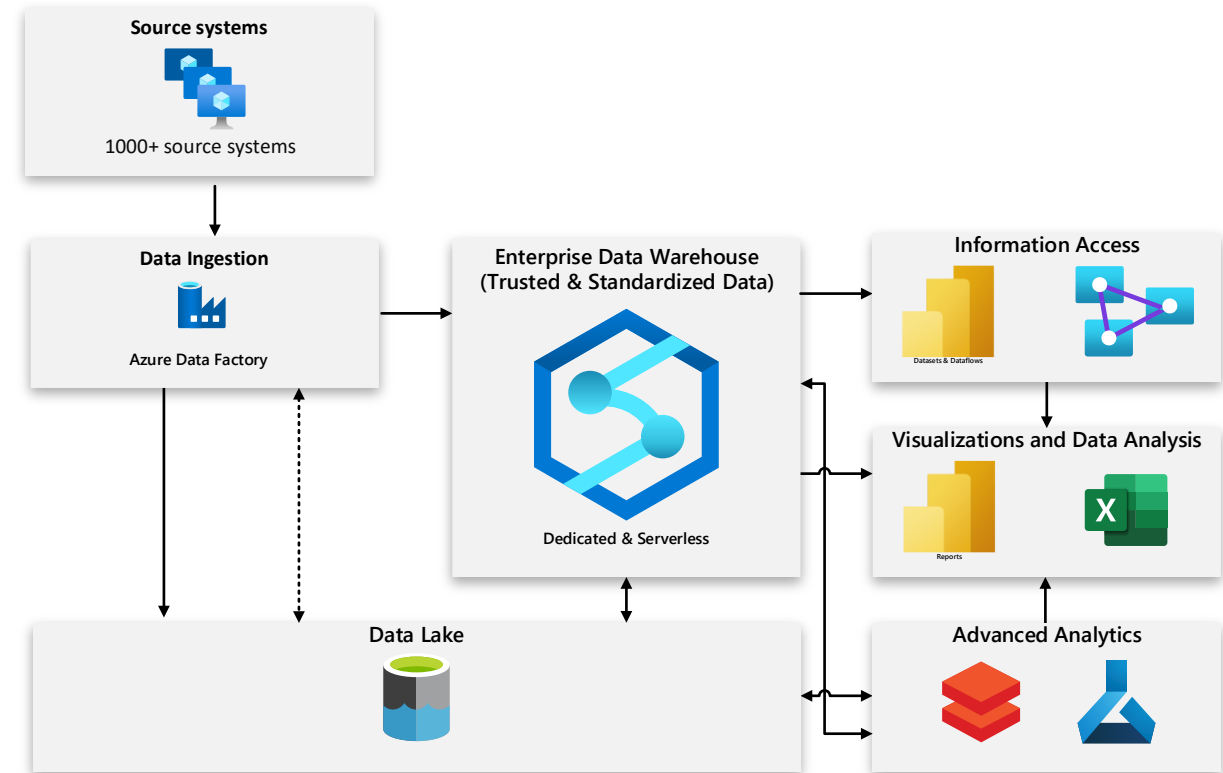## Analytics platform for large Polish chain of pharmacies

**Problem**:

Lack of data change history. Hard to develop business model. Lack of stable data structure in source systems. Dispersed source systems

**Solution**: One common Data Analytics platform integrating data form 1000 + pharmacies. Modern reporting capabilities. Advanced analytics purposes (recommendations, clustering, churn, forecasting)

**Business value**: **time saving**, elimination of errors in reports, new possibilities in analytical tools

**Source systems**

1000+ source systems

**Data Ingestion**

Azure Data Factory

**Enterprise Data Warehouse**
**(Trusted & Standardized Data)**

Dedicated & Serverless

**Information Access**

Datasets & Dataflows

**Visualizations and Data Analysis**

Reports

**Data Lake**

**Advanced Analytics**

# Choose your path to Modern Data Platform

## Envisioning workshops

- Provide workshops showing Azure Service analytics components
- Discuss about use cases
- Envision best suited architecture based on customers requirements
- Propose Implementation Roadmap
- Estimated cost – **5.000$**

## Proof of Concept

- Starting from **1 month**
- Provide solution for chosen business area
- Provide Data Lake ingestions
- Provide Data Warehouse Layer
- Provide Reporting layer
- Provide Advanced Analytics integration
- Additional payments for MS Azure platforms utilizations
- Estimated cost – **20.000$**

## Full Implementation

- Additional data Business areas to fullfill data scope
- Additional Machine Learning models
- Additional Power BI reports
- Additional Data preparation layer
- Additional Business applications
- Estimated cost – **50.000$** (Extensions' cost depends on requirements and scope)

## Maintenance

- starting from **2.000$ per month**

# Roadmap of Building Modern Data Platform

**elitmind**

## Collect Big Data

- Combine data from many sources to build **one storage** with all necessary information

- Build reliable **real-time** data processing workflows

- Provide **Data Management**

## Build Analytical Platform

- Build an **Analytical Platform** with **Machine Learning** that will give valuable insight to your business

- Choose the **best Cloud Provider that will fit your needs** and cost calculations

- **Prepare your team skillset** for a new analytic requirement

- Build **information management strategy**

## Use Advanced Analytics

- Use customer 360 view to **optimize business decisions**

- **Reduce the risk** of customers Churn

- **Personalize offer** by using segmentation

- Use recommendation boxes to **increase upsell and cross sell**

## Adopt Power BI

- **Scalability** and cost effectiveness

- **Secure** data access for granted users

- **Complex** development process

- **Effective** collaboration in teams

- **Flexible** and efficient data models

- **Business value** provided on demand

We help to build a **framework** for **digital transformation by delivering:**

- Platform ready for all data
- Scalability depending on your needs, thanks to cloud platform
- Enrich analytics through innovative approaches

**By choosing  your path to Modern Data Platform**

# How we make it **work**

## Fast & Agile

- **Scrum** methodology with **Azure DevOps**

- **Faster and frequent delivery** of products to customer by integrative delivery

- **Less formalism** by using tools and developed practices

## Reliable Team of Experts

- **We deliver what we promised**

- Our **team is individually selected** to meet the needs of the project

- **95%** of consultants **Microsoft certified**

- **9 years of experience** on average

## Quality and Partnership

- We always **think strategically** and build **long term partnerships**

- We use our **frameworks** to make projects **predictable and measurable**

- We use **experience** to provide the **highest quality standards**

MVP Microsoft® Most Valuable Professional

Gold
Microsoft
Partner

Microsoft

# About **Elitmind**



**We BUILD the world of data for our Partners**

- We **save time and money** by automating data processing.

- We **increase company efficiency** through tailor-made analyzes and reports and by adopting self-service analytics.

- We **build competitive advantage** by predicting the future based on the past.

# Selected Customers

# Digital Advisors



Radoslaw.Kepa@elitmind.com

**Founder & Digital Advisor**

Phone: +48 505 191 532



Robert.Wozniak@elitmind.com

**Founder & Digital Advisor**

Phone: +48 605 269 855



Maciej.Chojnacki@elitmind.com

**Digital Advisor**

Phone: +48 513 998 469

www.elitmind.com