



The Commercialization of AI

MLaaS™

“ This well-educated, well-paid, and highly motivated individual will comb your organization looking for places to apply AI technologies, effectively making the goal to use AI rather than to solve real problems successfully ”

– Harvard Business Review on hiring a Chief AI Officer

Timeline



Educating the market

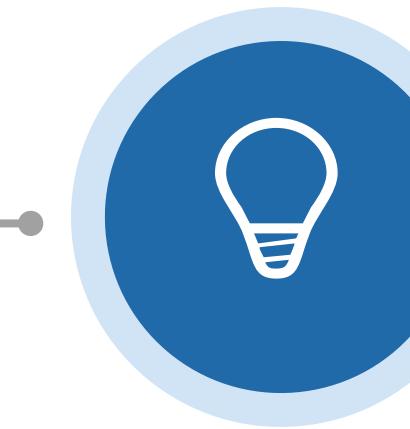
Productization

Scaling



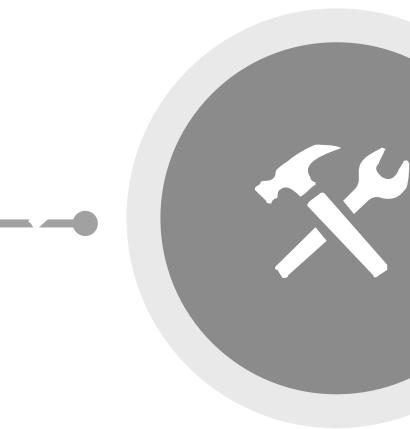
2011

Began platform
development



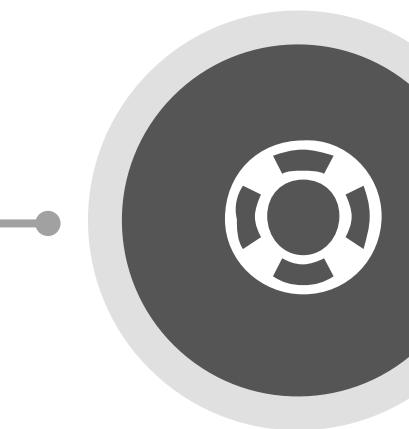
2013

Added Deep Learning



2014

MLaaS predecessor
launched



2016

MLaaS v1 launched



2017

MLaaS v2 launched

Making AI successful



Stay focused on business outcomes

Remove the bias of internal ML teams

Realize that 80% of work involved is not ML



The MLaaS™ Platform



Data Integration

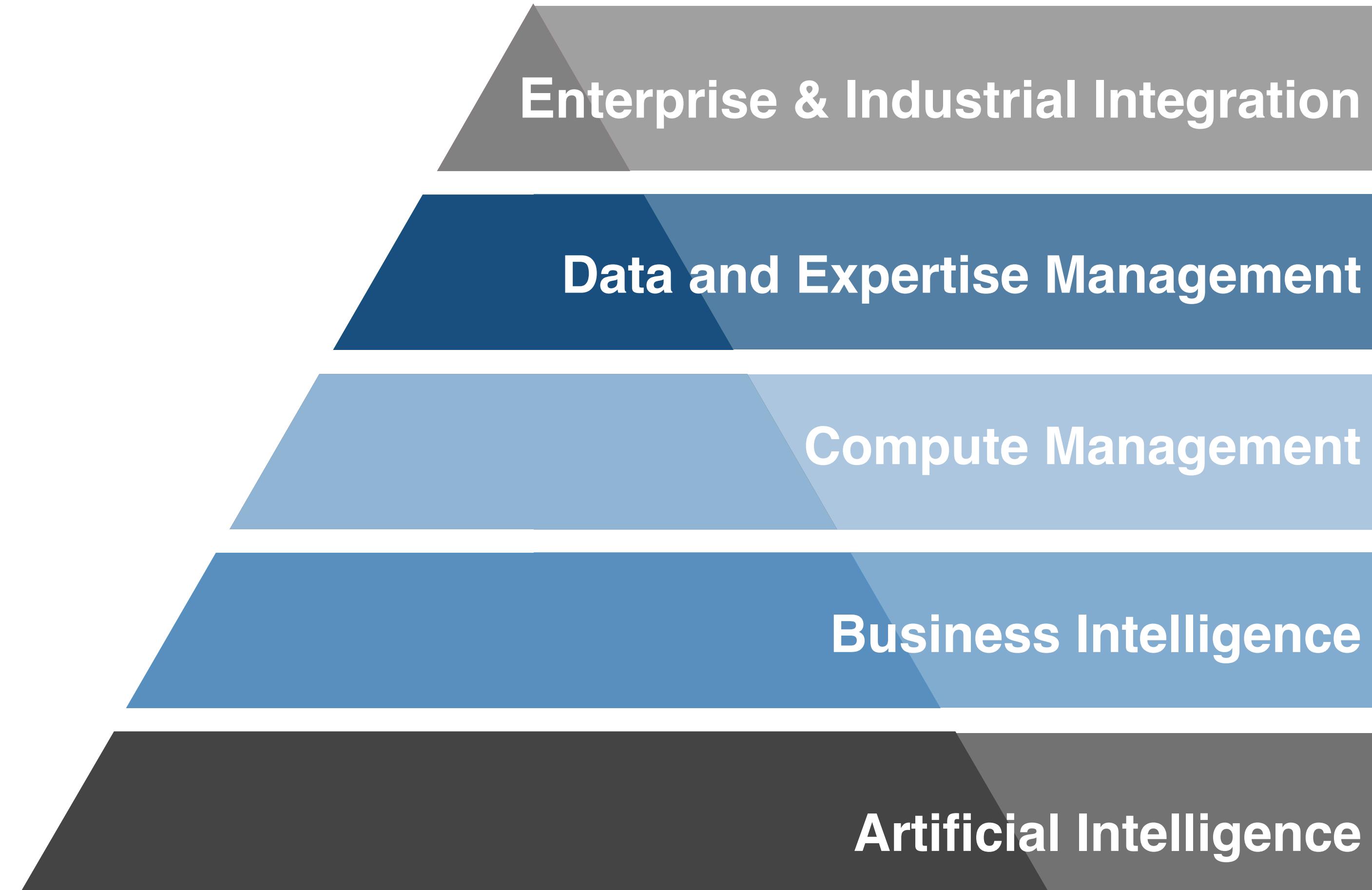
Full Spectrum AI

Deployment

The building blocks of MLaaS™



A full stack enterprise platform to embed AI into any business process



The building blocks of MLaaS™



Enterprise & Industrial Integration

Data and Expertise Management

Compute Management

Business Intelligence

Artificial Intelligence

Large toolkit of deep learning
and machine learning
algorithms

Theano, PGM and
TensorFlow models supported

The building blocks of MLaaS™

8



Enterprise & Industrial Integration

Data and Expertise Management

Compute Management

Business Intelligence

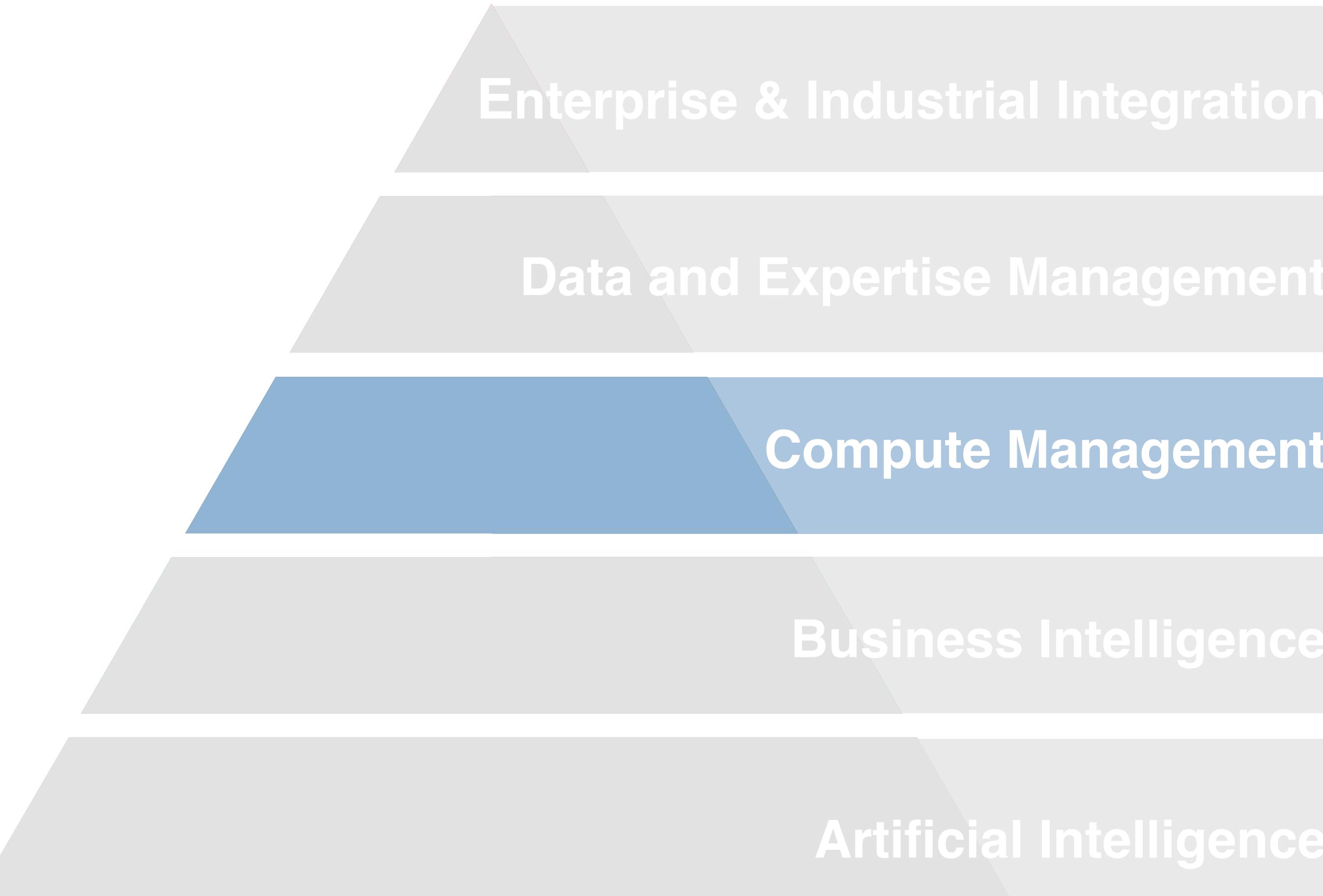
Artificial Intelligence

AI with BI combined to realize the goals of Informative, Diagnostic, Predictive and Prescriptive Analytics

Robust reporting dashboard to provide necessary insights for data driven organizations



The building blocks of MLaaS™



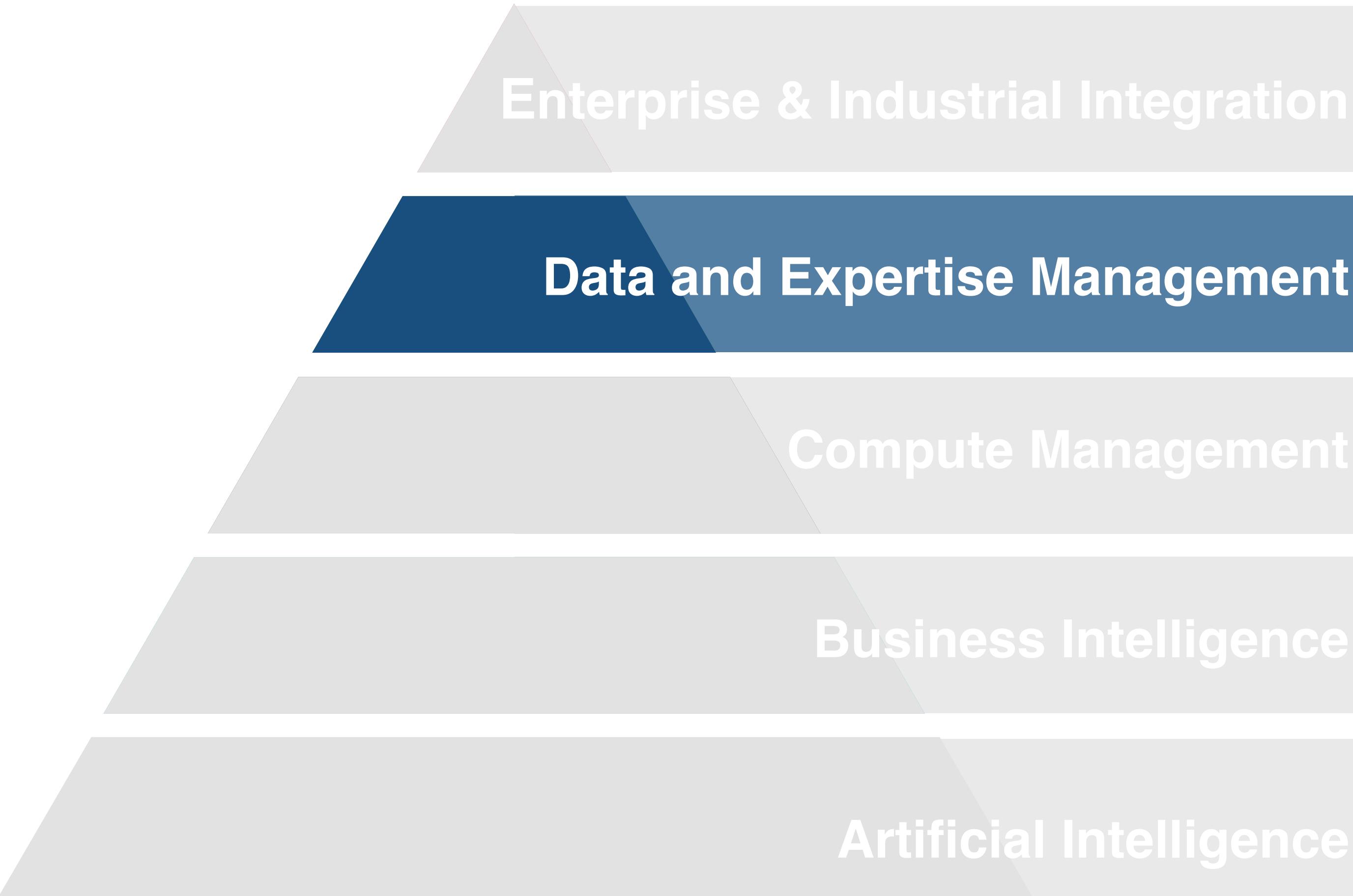
Multiple simultaneous ML model training and testing jobs launched through the web interface

High Performance Computing environment, both GPU and CPUs supported.

AI model tuning can be done directly in the interface with limited knowledge of AI required

The building blocks of MLaaS™

10



Bring humans and expertise into the loop with data annotation and groundtruthing capabilities built into the ML project workflow.

Domain expertise can be injected into the ML workflow prior to training or as part of model optimization.



The building blocks of MLaaS™

11



Enterprise & Industrial Integration

Data and Expertise Management

Compute Management

Business Intelligence

Artificial Intelligence

Support for Big Data platforms in Enterprise and Industrial settings.

Industry 4.0 compatible with support for industrial sensors and software control systems

On-premise, Hybrid and Cloud deployments



MLaaS™ Application Components



**Visual
Classification**

**Entity
Profiling**

**Entity
Builder**

**Genetic
Pathway**

**Sensor Fusion
IOT**

Repeatable Machine Learning workflow templates for rapid and scalable machine learning deployments



MLaaS™ Application Components



Visual Classification

Classification of 2d, 3d image and video data such as manufacturing quality inspection

Entity Profiling

Entity and Relationship understanding for prediction and outlier detection such as opioid fraud detection

Entity Builder

Entity creation automation such as claims processing

Genetic Pathway

Genetic information analysis for infectious disease and biosecurity applications

Sensor Fusion IOT

Sensor data streams integrated for other 4 use cases to be applied



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Sensor Fusion IOT

Sensor data streams integrated for IOT and IIOT applications



Industries



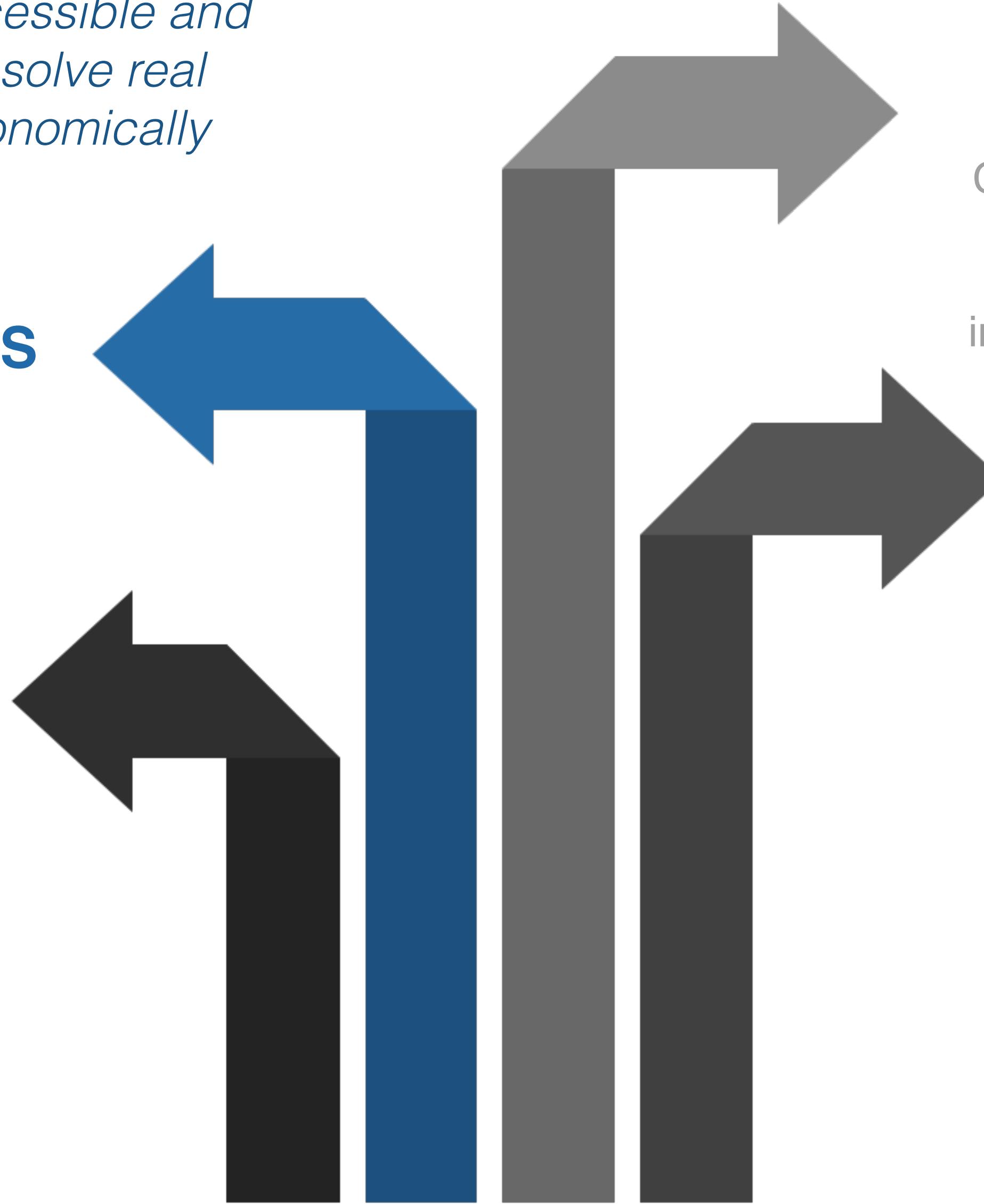
MLaaS makes AI functionality accessible and practical for Domain Experts to solve real business problems fast and economically

BIOLOGICAL SCIENCES

HIV resistivity analysis
Allergy causality analysis
Bio-security

MANUFACTURING

Visual Quality Inspection
Supply Chain optimization
IIoT for Computer Integrated Manufacturing (CIM)



INFRASTRUCTURE

Change detection and variance analysis
Augmented Reality 3D mobile interface integrated with MLaaS

ENTERPRISE

Insurance entity building and profile analysis
Customer profile analysis



A black and white aerial photograph of the New York City skyline, featuring the Empire State Building in the center. The city is densely packed with skyscrapers of various heights and architectural styles, stretching towards the horizon under a cloudy sky.

Thank you

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