Artificial **I**ntelligence
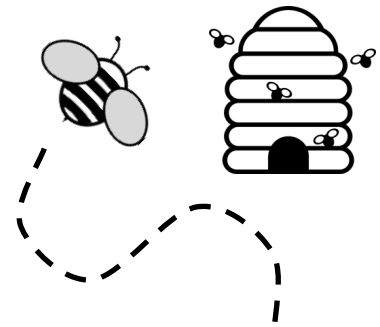
BiG **D**ata **A**nalytics

AI-BDA
AST ARTIFICIAL INTELLIGENCE
BIG DATA ANALYTICS

DISCOVER the untapped potential of your DATA to improve your Business

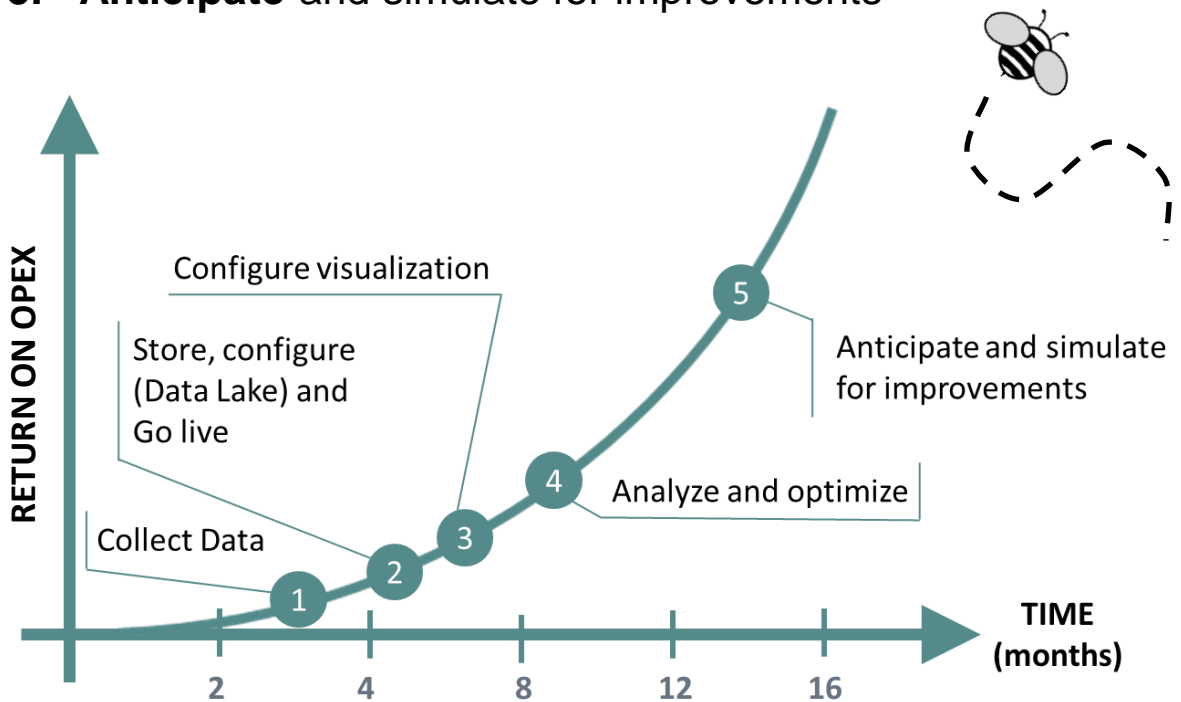**BEES – example of sustainable optimization**

As bees are vital to a healthy environment and economy, Artificial Intelligence (AI) is now vital to navigate through complexity and bring your company new opportunities to improve, towards healthier and more sustainable economics.

AI-BDA PROJECT STEPS:

1. Collect Data (from the historic data to real time data)

2. Store, configure (Data Lake) and Go live

3. Configure visualization (information visual interfaces, i.e. dashboards, reports, databases, etc.)

4. Analyze and **optimize** (fine tuning the Digital Twin)

5. **Anticipate** and simulate for improvements

RETURN ON OPEX

Configure visualization

Store, configure (Data Lake) and Go live

Collect Data

Analyze and optimize

Anticipate and simulate for improvements

TIME (months)

2   4   8   12   16

EMPOWER
your experts with the best capabilities of predictive modeling and simulation

WHY AI-BDA

- To use 100% of your collected data

- To understand in depth your processes and to link them to your global objectives (for example financial, operational excellence, regulatory, learning & growth, etc.).

- To find solutions to unsolved problems, widening and elevating the scope of the analysis

GLOBAL OPTIMUM

- ➢ AI-BDA works on global optimum as well as single machine's one.

- ➢ Global optimum for a process is never the sum of each machine's optimum!

- ➢ Using AI-BDA you can focus on optimizing the process as a whole.

DATA SECURITY FIRST

At AST Technology we know that your DATA are amongst your most critical and sensitive assets.

Therefore, we use the most secured cloud service providers to ensure you the highest standards of data protection, daily used by governmental agencies, financial services and healthcare providers worldwide (AWS - Amazon Web Services is frequently used). Nevertheless, if you have specific data security requirements or a cloud service that you use or prefer to use, we will meet your requests, up to the complete on-premises application (usually adopted when it comes to Homeland Security).

COSTS AND TIMING

AI-BDA Solution is a SaaS (Software as a Service), means that there is no CAPEX and consequently this solution is risk-free for the customer.

Average time to finalize a project is usually less than 10 months, but first savings start only a few weeks after kick-off, because the early steps of implementation enable experts to save time in their daily tasks.

WHAT AI-BDA BRINGS YOU

- Fast results

- Opex - no Capex

- Easy and immediate switch On/Off thus Risk-free

- High return from the first step
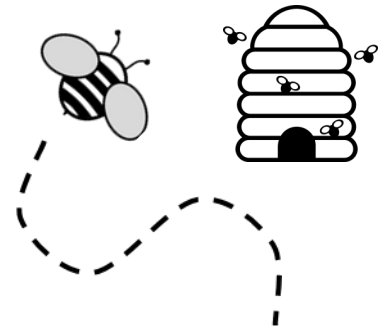
- Leading far ahead of your competitors

FAST & RISK FREE

OBJECTIVES

- ➤ QUALITY: improve final products' properties

- ➤ SUSTAINABILITY: reduce emissions, reduce waste, increase recycling, improve working conditions

- ➤ ECONOMICS: yield or output increase, cost savings, earnings increase

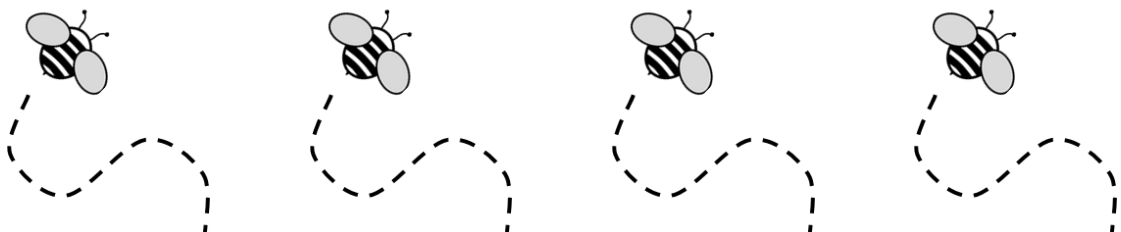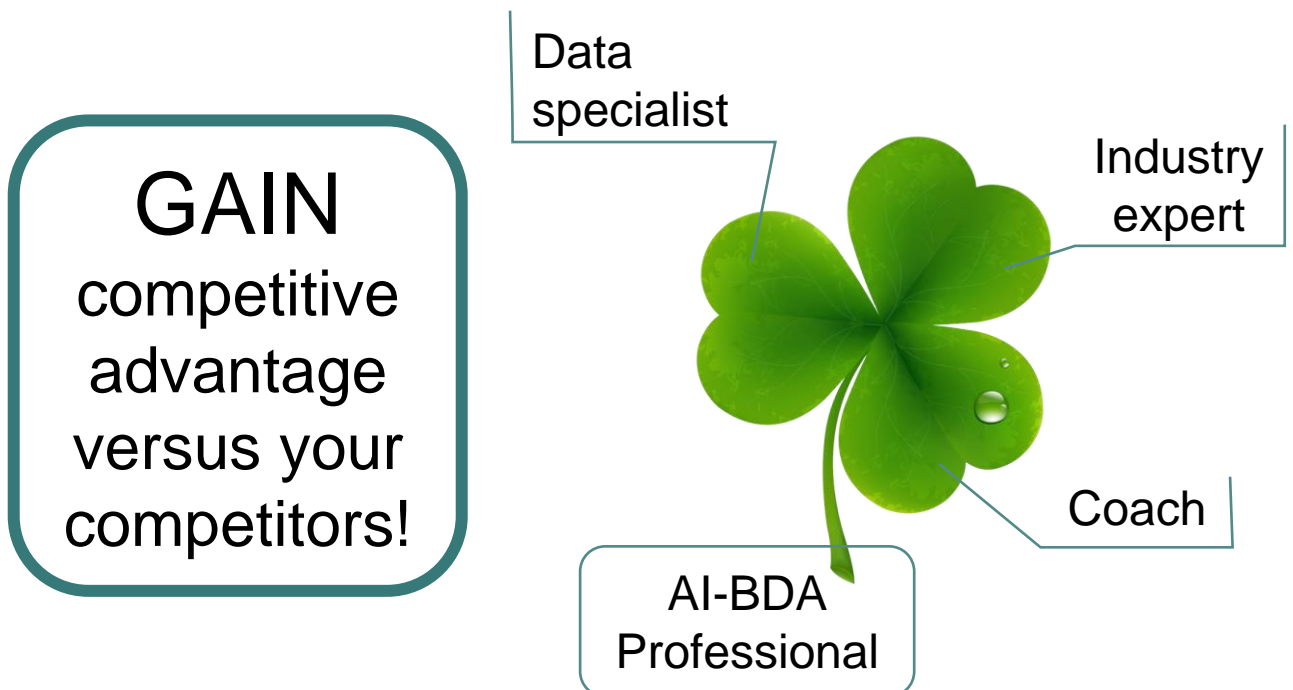# AI-BDA versus OTHER AI SOLUTIONS

Data analysis expertise

- Our team started to work in the AI data analysis since the beginning of its industrial practice
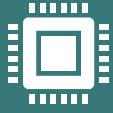
Industrial expertise

- Our data experts are also industrial processes' experts, thus they can build a better data lake in shorter time

Coaching

- We help customers' experts to handle these new tools and approach, as well as to become autonomous

GAIN
competitive
advantage
versus your
competitors!

Data specialist

Industry expert

Coach

AI-BDA Professional

HOW AI-BDA HELPS YOUR BUSINESS

Control

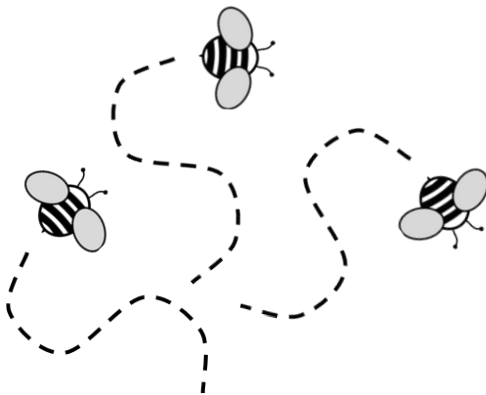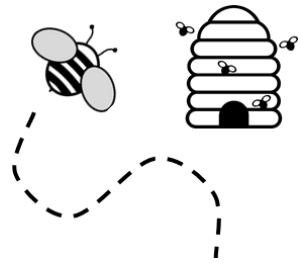Control and view data from multiple sources using our software solution

Perform

Using advanced data analytics you make faster and smarter business decisions

Anticipate

Identify risks and solve potential problems before they happen

Exceed your EXPECTATIONS!

PROVEN RESULTS

We know it works, based on success cases across Metals, Power generation and Chemical industries. Our proven method brings an **average of 2-5% global improvement**.

Artificial **I**ntelligence

BiG **D**ata **A**nalytics

AI-BDA

AST ARTIFICIAL INTELLIGENCE
BIG DATA ANALYTICS

Geneva

Montréal

Boston

San Jose

Fos s mer

Linz

Canberra

- AST Headquarters
- AST Entities
- AST Branches

AST Technology Footprint

CERTIFIED

ISO 9001 - 2015
ISO 14001 - 2015
ISO 45001 - 2018
ISO 26000 - 2010
ISO 28000 - 2007

INTEGRATED MANAGEMENT SYSTEM

Contact AST Technology team for specific questions or to request a **FREE demo!**

Email us at: ai-bda@ast-artificial-intelligence.com
Visit our website at: www.ast-artificial-intelligence.com