

paiqo
The Platform & AI Company

AI.S²
SOLUTIONS FOR THE FUTURE

Demand Forecasting with Artificial Intelligence

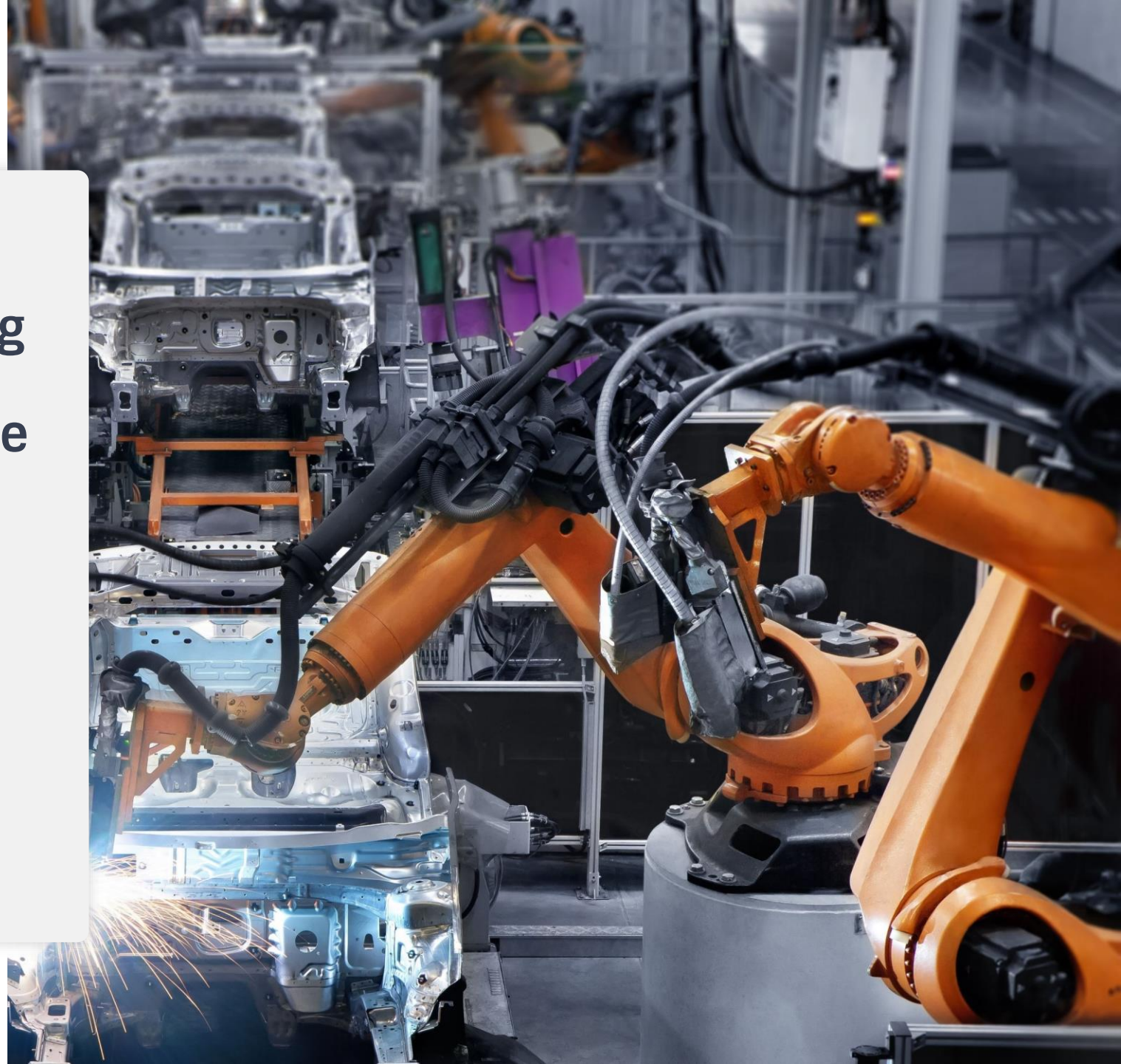
Manufacturing

Webinar

Michael Danninger, AI.S²

Dr. Timo Klerx, paiqo

27.06.2023



Recording of the webinar

This session will be **recorded**.

If you do not wish to appear in the recording, please turn off the **camera** and **microphone**.

However, you are always welcome to ask **questions** in the **chat**.

Introduction



Dr. Timo Klerx
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Agenda

- | Company Overview
- | Why Demand Forecasting with AI?
- | AI Demand Forecasting in Manufacturing
- | AI Demand Forecasting Solution Demo
- | Your way to AI driven Demand Forecast
- | Questions

Company Overview

About paiqo

+ 50 Customers

In the field of (online-)retail, healthcare and fitness, manufacturing

> 10 Years

Experience with focus on data platform & AI

+ 40 Experts

Data Scientists, Data Engineers and Business Developers with years of experience in successful delivery of data science projects for many well-known companies.



Newcomer of the Year 2022



Data & AI
Azure

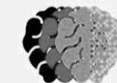
Specialist
Analytics



The Platform & AI Company



databricks



KI BUNDESVERBAND

Know-How

Methodological and technical (e.g., Spark, Azure ML, In-Memory, Machine Learning)

Background

computer scientists, mathematicians, statisticians, engineers, economists

Projects

A variety of projects including MLOps, Operationalization, Data Management, Pricing, Recommender, AI Assistance Systems, Demand Forecast, Operating Services, Coaching



Why Demand-Forecasting with AI?

Why Demand Forecasting with AI?



FUTURE

The better we anticipate the **future**, the better the company runs



EFFORT

Bottom-up Forecasting takes a lot of **sales power**



COMPLEXITY

Market volatility makes **manual planning** more complex



PRODUCTION

Avoidance of **over- and underproduction**



COSTS

Significant **cost savings**



MANUAL

Significantly less **manual effort**



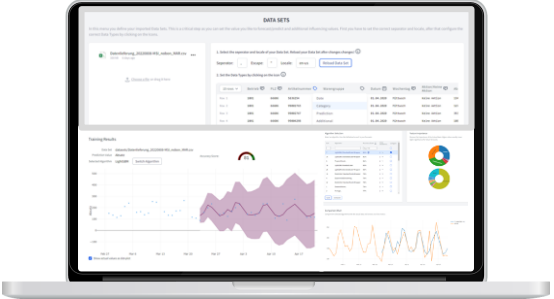
INSIGHTS

Identification of **drivers** for sales and demand



PROCESSES

Along the entire **value chain**, AI can be used to significantly improve processes



CUSTOMER REFERENCE

95% Forecast Accuracy with AI

How a manufacturer improves production and supply chain planning by forecasting orders in different countries for different products (e.g., excavators or wheel loaders).



CUSTOMER REFERENCE

15% less waste due to AI demand forecasts

How Spar Austria, with over 1,500 stores, continuously optimizes sales planning of its product range, associated costs and food waste with AI.

Microsoft [Stories](#)



Planning **errors** decrease **sales** and customer **satisfaction**
Frequent **out-of-stock** situations and **overstocks**
Changing product range and **complex** market structure
Complex **manual** demand planning

Initial Situation




AI-based **weekly forecast** for several **million** combinations of market/article/day
Integration with existing planning system
State-of-the-art AI models based on Microsoft Azure

Our Solution



Better forecasting results compared to common planning tools:
>90% accuracy
Cost reduction through **15% less waste** and less manual effort
Higher **customer satisfaction**

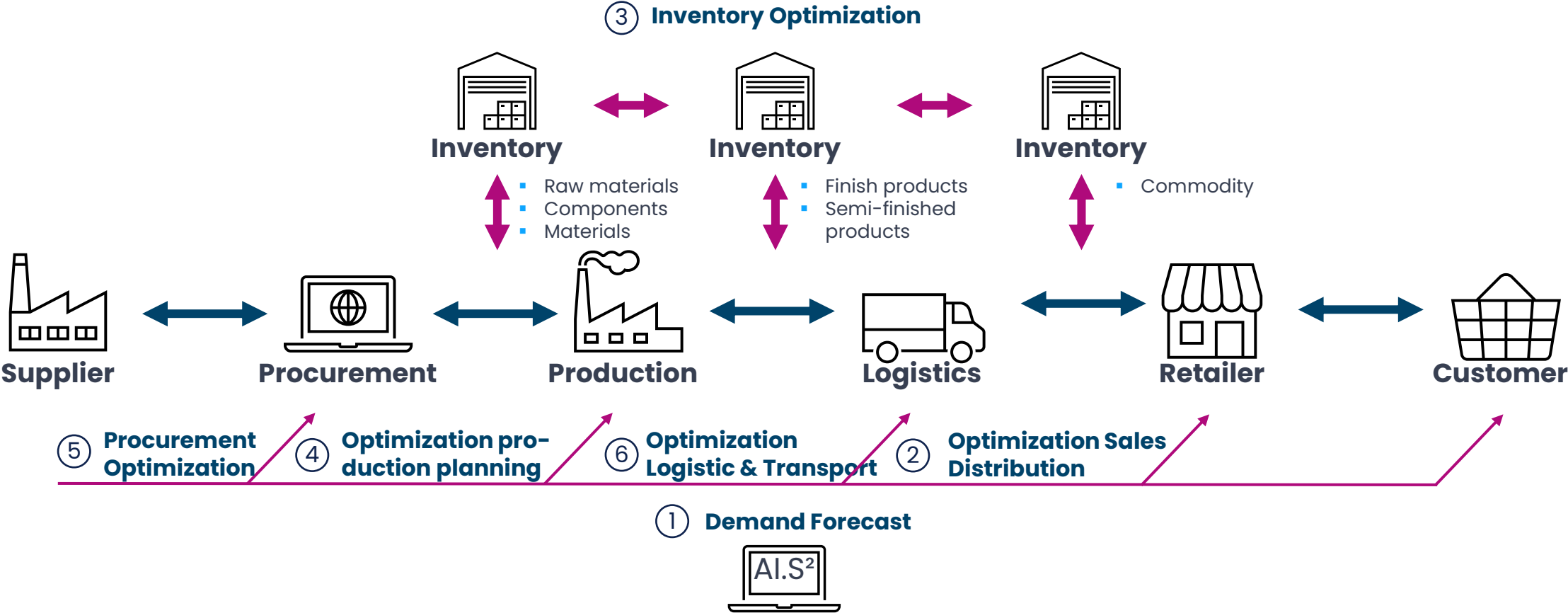
The Benefit



AI Demand Forecasting in Manufacturing

OVERVIEW

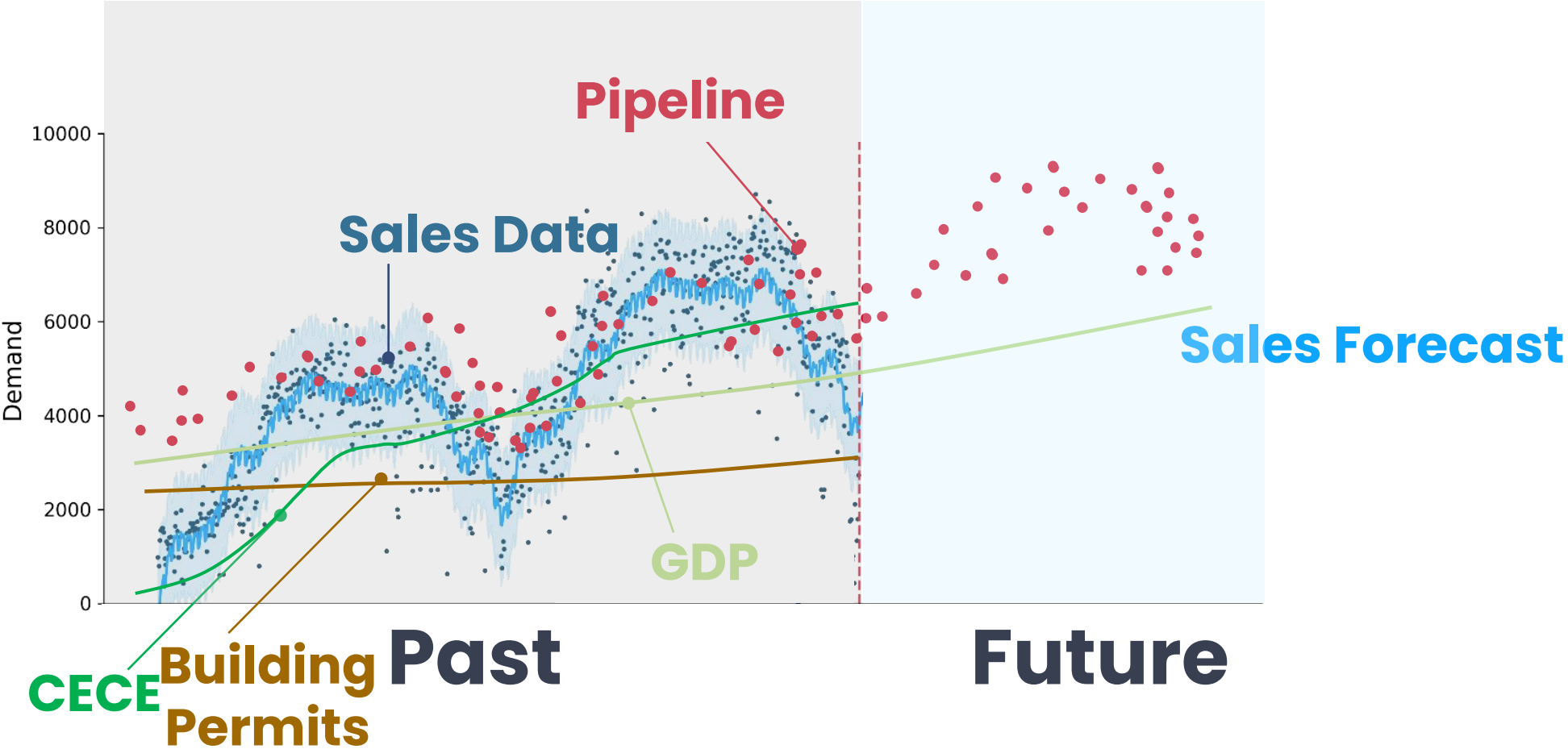
Optimize the value chain with AI



Microsoft Azure Platform

REFERENCE CASE – MACHINERY

Step by Step Forecast Modelling









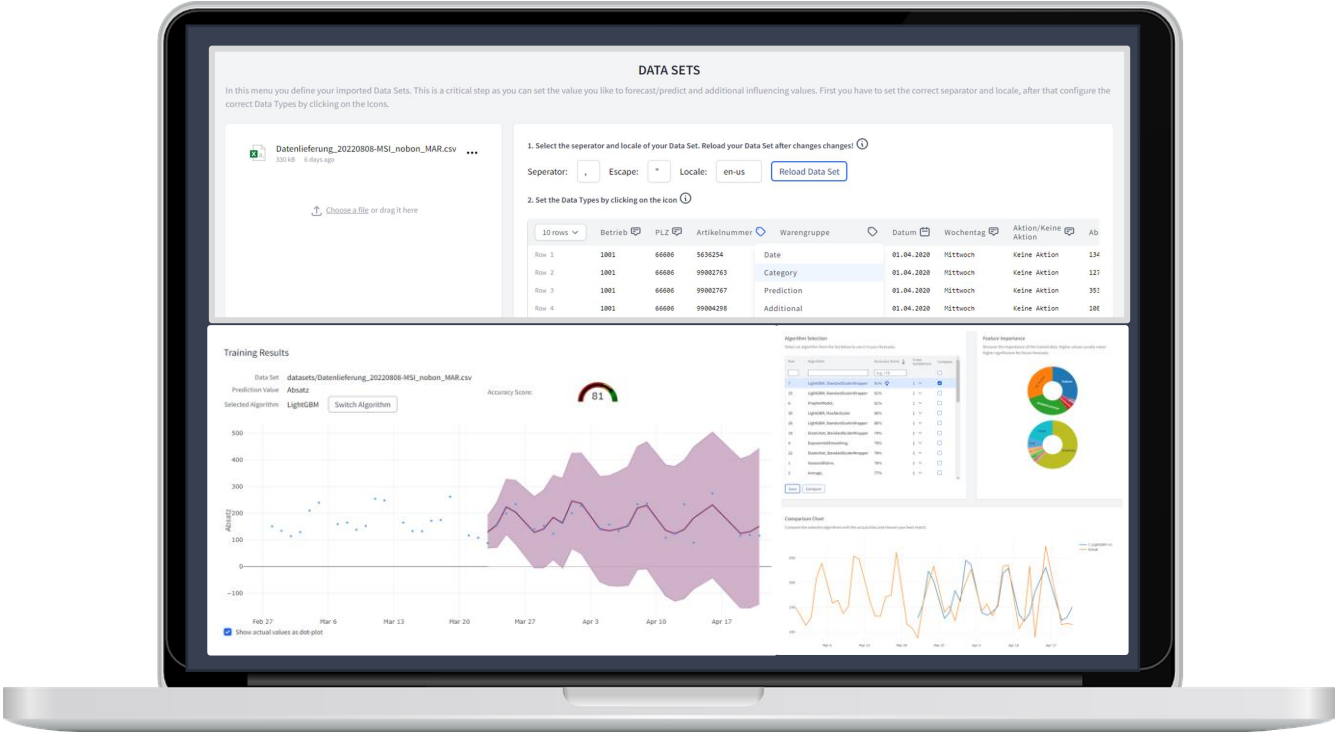


Demo

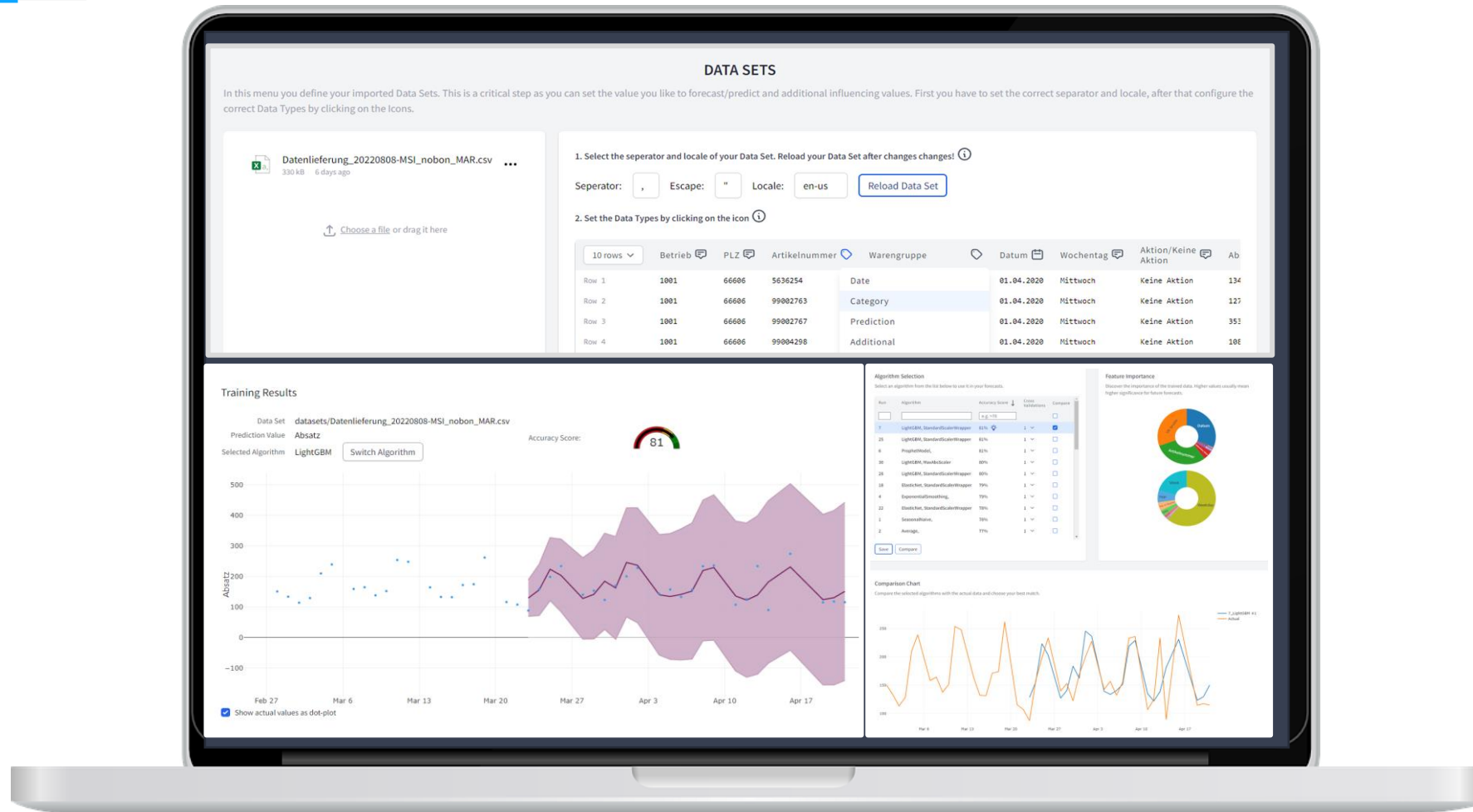
PRODUCT

Demand-Forecasting is ready to use

-  **industry-specific templates**
-  **user-friendly UI**
-  **Cloud ready**
-  **scalable versions**
-  **State-of-the-art AI**
-  **excellent accuracy**



Demand-Forecasting is ready to use



Microsoft Azure Marketplace

PRICING AND VERSIONS

Pricing

The image displays three pricing cards for the paiqo AI.S² service. Each card is a rounded rectangle with a distinct color and contains the plan name, price, frequency, and a brief description of the plan's features.

Plan	Price	Frequency	Description
STANDARD	€ 1.075	Monthly	Our ready-to-go with access to all solutions.
PROFESSIONAL	€ 4.350	Monthly	Get this if you want to be able to use multiple models and up to 1 Mio datapoints, automate process steps and gain access to our external sources
ENTERPRISE	Contact Sales	Monthly	Get unlimited access to the data-lake and make the most of your forecasted models

Additional Pricing Information

- Prices do not include azure setup & consumption fees
- Number of Users is unlimited
- Licenses are per Legal Entity
- First 12 months are mandatory

PRICING AND VERSIONS

Pricing

	STANDARD	PROFESSIONAL	ENTERPRISE
	<p>€ 1.075</p> <p>Monthly</p>	<p>€ 4.350</p> <p>Monthly</p>	<p>Contact Sales</p> <p>Monthly</p>
# of operational forecasts	1	Up to 5	Unlimited
Historical Data Import per Model	Up to 10.000 lines Up to 10 columns	Up to 50.000 lines Up to 20 columns	Unlimited
Different Training-sets per Model	1	Up to 3	Unlimited
Future Forecast Horizon	Up to 1 Year	Up to 3 years	Unlimited
Use our External Sources	-	Up to 2	Unlimited
Advanced Algorithm Settings	-	Included	Included
Access to the Datapool API	-	Included	Included



Your way to AI driven Demand Forecasting

Steps to AI driven Demand Forecasting



COSTS

Predictability Check

Total cost for
Predictability Check:

€ 4.800,-



DATA

Initial Data
Analysis



CHECK

One feedback-
loop if data is not
appropriate



ENRICHMENT

Enriching data
with additional
external data



TRAINING

Demand Forecast
Training with
state-of-the-art
AI models



ACCURACY

Analysis of
accuracy per
segment



FEEDBACK

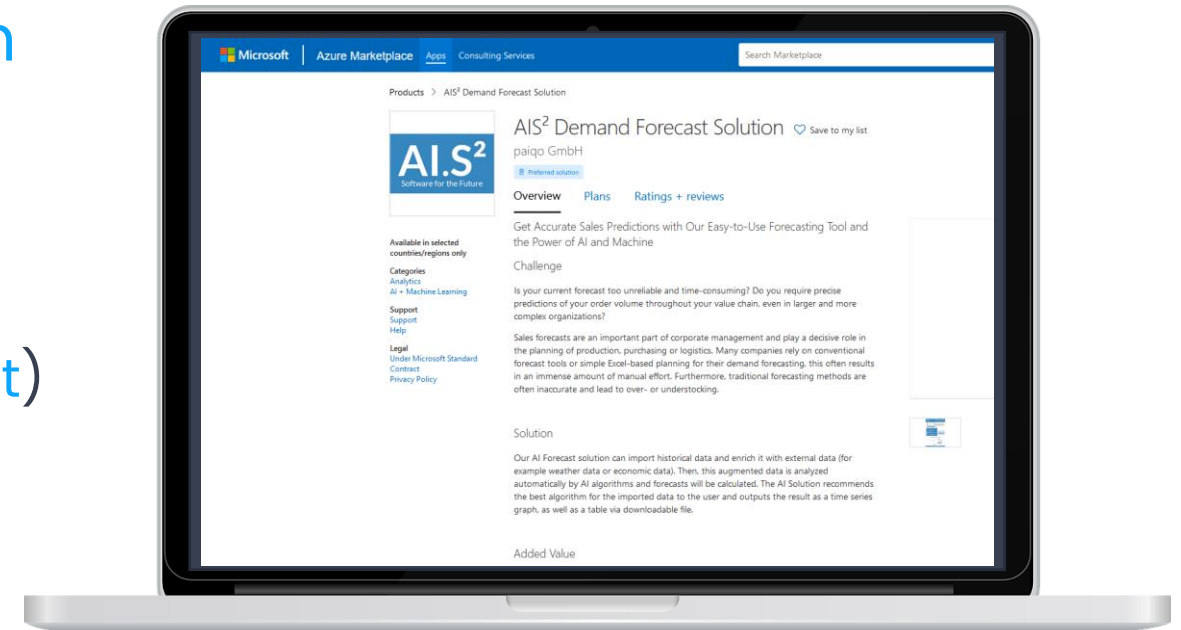
Feedback meeting
with you

Microsoft Funding for Predictability Check

- Microsoft provides **funding** for certain customer activities like POC's, envisioning, etc.
- For the **first 5 customers** that decide to go for the **Predictability Check**, we would try to get this funding from Microsoft for you.
- To **limit** the **risk** for you: If we don't succeed, we will bear 50% of the cost.
- **Contact** us within the **next 2 weeks** with reference to this Webinar to get onto the list!
 - Please send a mail to predictabilitycheck@paiqo.com

How to get AIS² Demand Forecast Solution

- Go to:
azuremarketplace.microsoft.com
- Search for:
[paiqo.ais_demandforecastsolution](https://azuremarketplace.microsoft.com/search?q=paiqo.ais_demandforecastsolution)
- If you have an EA (Enterprise Agreement) with Microsoft, you can use your EA-commitment





Your Questions

Feedback

We would appreciate your feedback

<https://forms.office.com/e/j6PjxnbjGT>

Your Contact



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