



Data & AI

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Agenda

- › Becoming an intelligence driven organization
- › Data Platform perspective
- › Concrete usecases
- › Getting the foundation right

Intelligence Driven Organizations...



Becoming an Intelligence Driven Organization



What we have learned from the world's leading businesses



Executive Strategy & Culture

Align it with new market and industry conditions, couple it with the culture based on intelligence driven tasks



Technical Capabilities

What capabilities are needed, where and when in order to drive strategy execution?



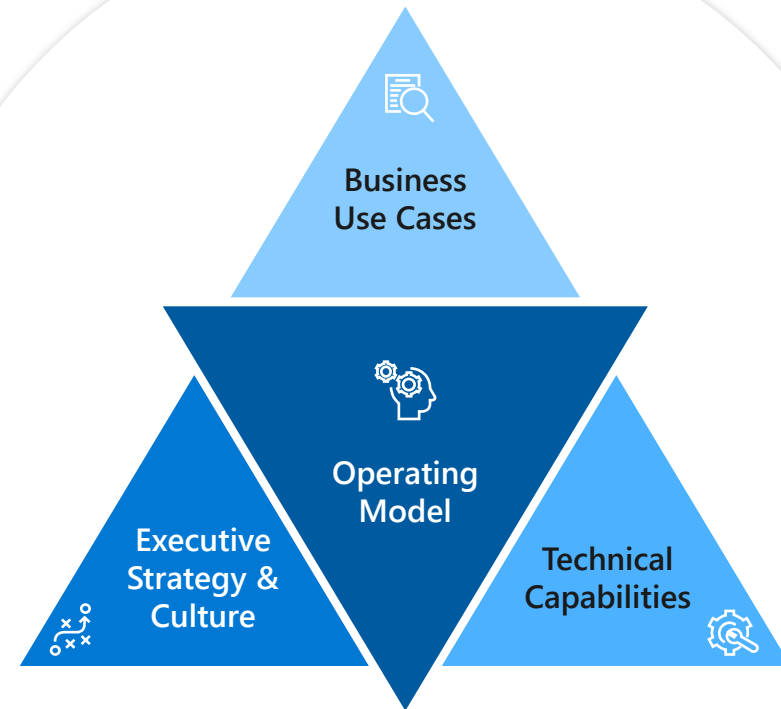
Operating Model

Organized for significantly higher level of agility, flexibility and scalability



Business Use Cases

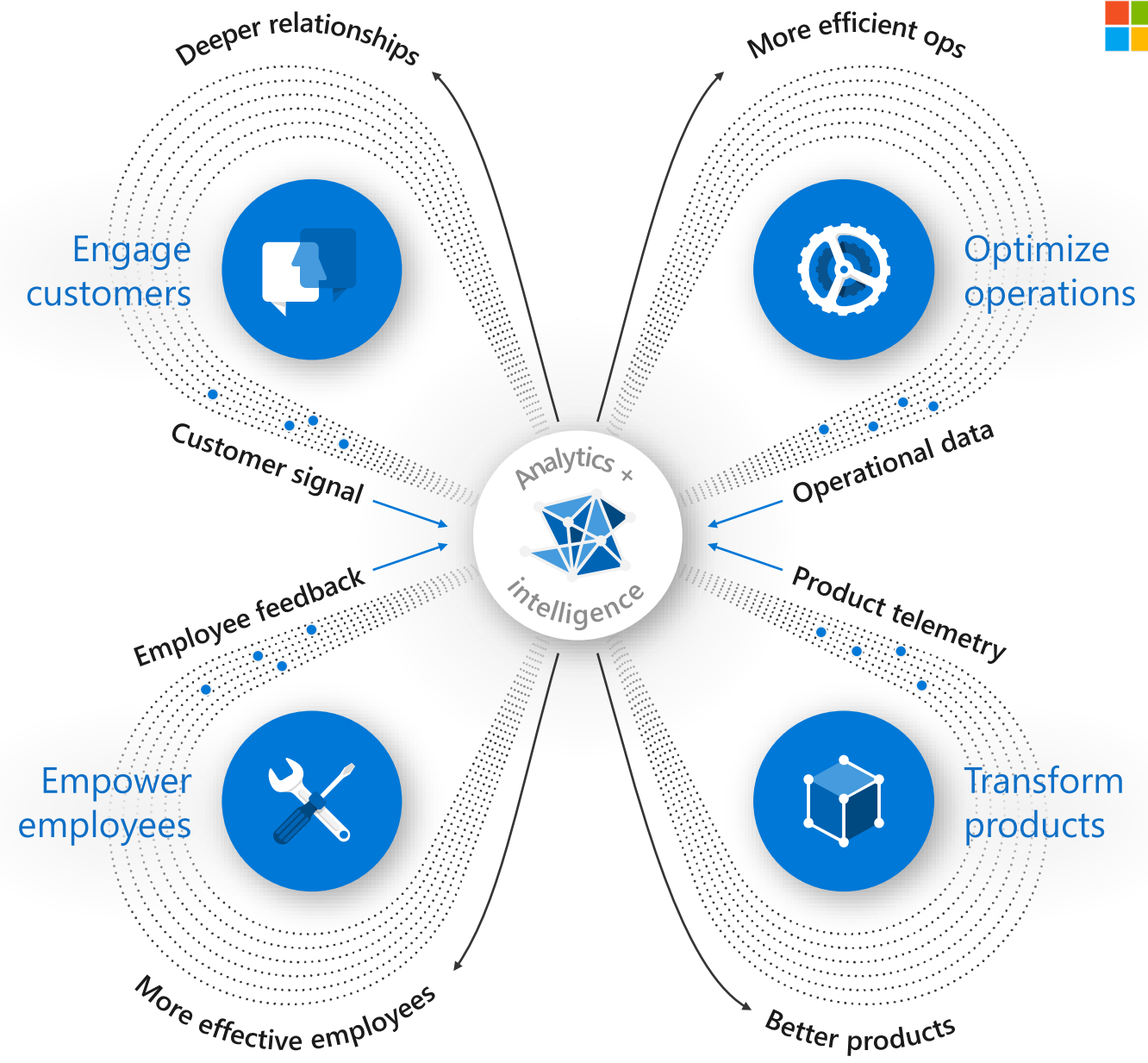
Identified and prioritized to implement the strategy and yield the desired functional and business outcomes



Major disruptions, driven by Digital Transformation or crisis like COVID-19, create a sense of **urgency** for business to respond and transform themselves to the new reality, requiring every organization to **re-evaluate** those four dimensions...



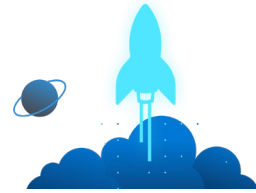
Intelligent driven organization requires a different mindset on data platform enablement



Data Science and Business Analytics

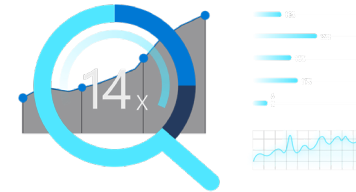
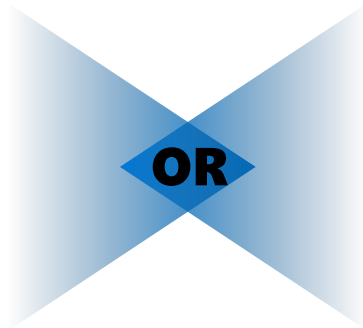


View data in very different ways



DATA SCIENCE

- Big data
- Experimentation
- Fast exploration
- Semi-structured



BUSINESS ANALYTICS

- Relational data
- Proven security & privacy
- Dependable performance
- Structured



DATA LAKE

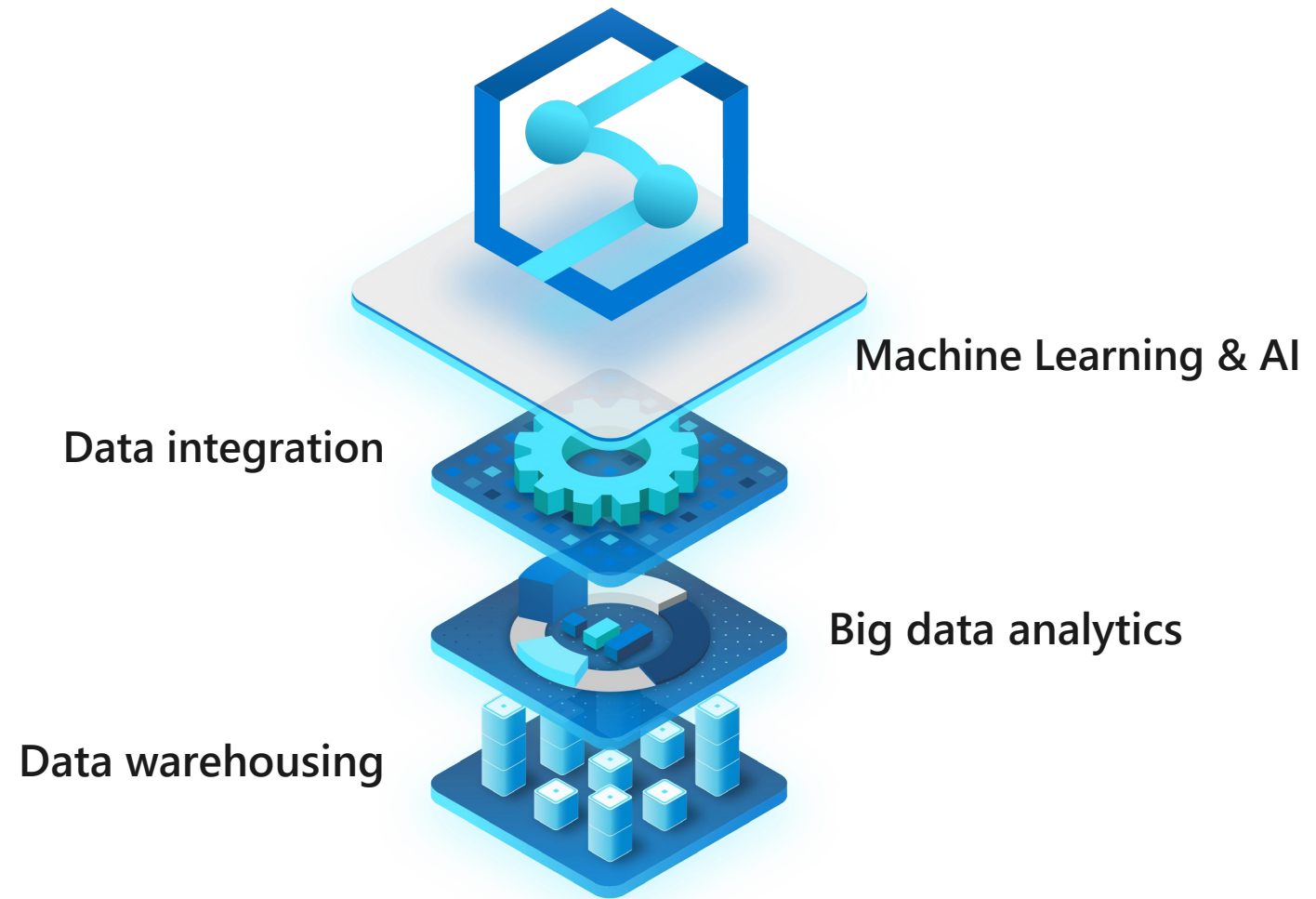


DATA WAREHOUSE

Azure Synapse Analytics

The first unified, cloud native platform for converged analytics

Azure Synapse is the only unified platform for analytics—blending big data, data warehousing, and data integration into a single cloud native service for end-to-end analytics.



Selected data platform cases

Coloplast building a new Data Platform in Azure



Anders Reinhardt • 1st
Senior Director of Business Intelligence, Global IT at Coloplast
10mo • 🌐

At Coloplast we have come far in our efforts to build a modern data platform based on Microsoft Azure. Over the last two years we have moved more than 81 data solutions to our cloud platform. This would not have been possible without a fantastic BI team and a very engaged business, that want to change the way they work with data. We have also begun working on the first solutions based on streaming data from sensors and building a foundation for more advanced analytics. A great journey with an amazing team!
[#data](#) [#analytics](#) [#azure](#) [#coloplast](#) [#bestteamever](#)

Migration

Migration goal	185
Migrated	81
Migrated to be closed	10
Working on	12
Left to migrate	94

Migrated total: 81
Pending closure: 104
Total closure: 185

Anders Reinhardt • 1st
Senior Director of Business Intelligence, Global IT at Coloplast
7mo • 🌐

This month we reached Power BI user number 3.000. This means that approximately 25% percent of all Coloplast employees are using Power BI on a regular basis. This is not just due to my great team, but also a testimor ...see more

Overview of Power BI Usage Related to AI

12M 6M 3M 1M

What I own

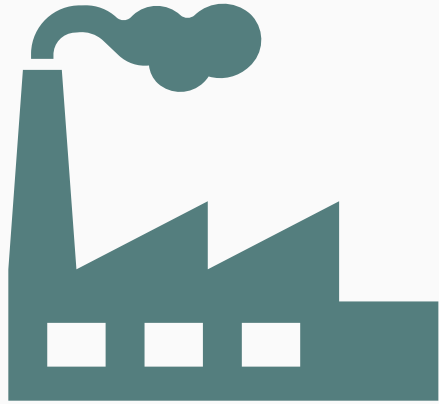
Workspaces	234
Reports	837

How it is being used

By Whom

Unique Users of the Reports: 3004

👍 🌐 🍷 281 • 17 comments



Manufacturing company Top 10 in DK

- Leading manufacturing company whit-in its branch globally
- Global high transaction sales
 - Own website(s), Own shops and shops in general, Walmart, Amazon etc.
- Multiple manufacturing sites across the world
 - High volume production line
 - High volume of product variants

Solution

- Advisory and management support from a solution perspective
- Dialog and sparing with IT and Manufacturing sites directors
- Cloud development and operation (DevOps) based on Azure PaaS platform and Azure DevOps
 - Creating a global data platform targeted manufacturing process
 - Connecting SCADA/PLC and other production relevant data sources
 - Establishing a local datahub
 - Connecting hubs to the cloud
 - Creating a uniform data conversion process for data input from secondary systems
 - Excell, Access, work scheduling systems etc
 - Security
 - Visualization in PowerBI & Power Apps
 - Insights and drilldown in production data
 - Data insights for optimization of unit passthrough/planning & selection
 - Best performing production – site, line or machine
 - Optimizing PLC config. based on optimal modelling and insights
 - Aggregated data gives optimizations options cross factory sites
 - Livedata input to help distribution planning to end-customers / destinations
 - Waste, water and electricity reduction - Smaller Co2 footprint



DATA PLATFORM

Data driven solution to support the green transformation

Clever

Modern data platform in Azure to keep track of the transaction history and power consumption from the many charging stations to support the internal and external business processes



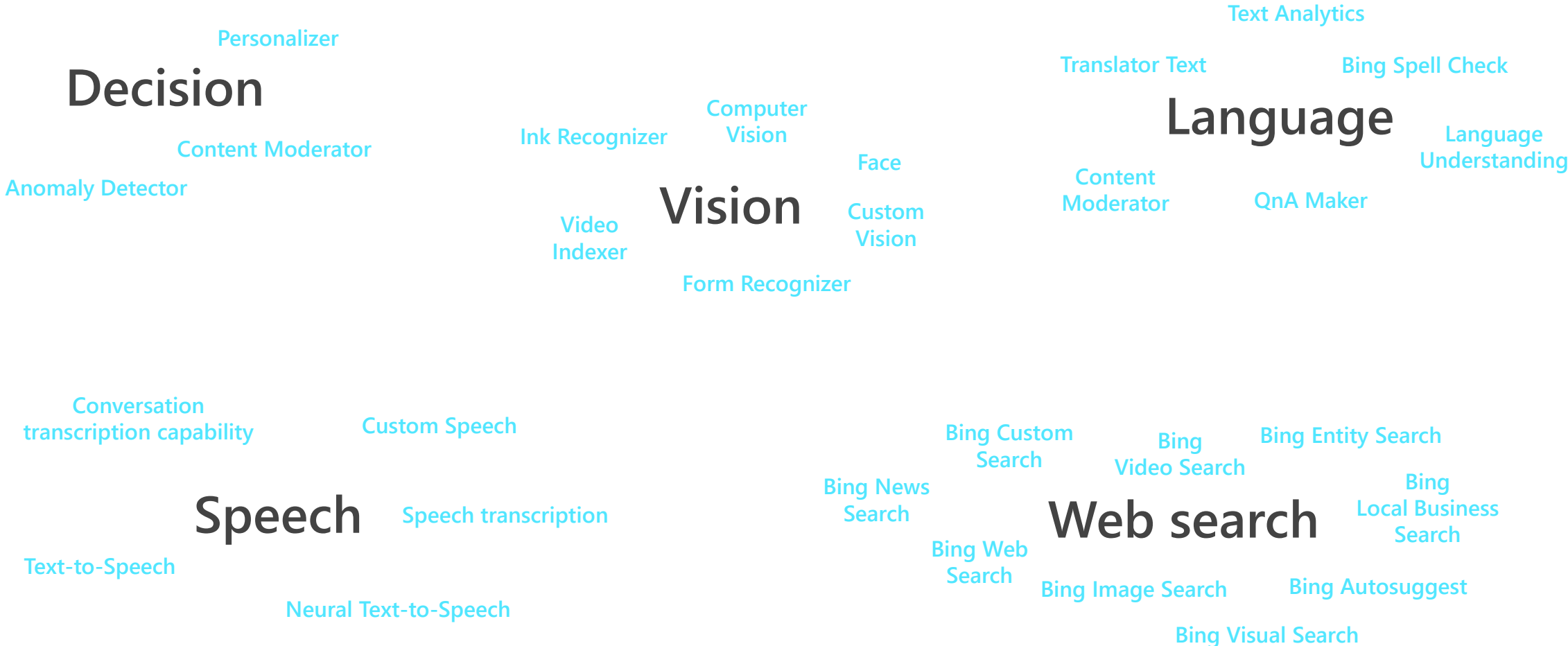
How can you build intelligent AI apps on top of a strong data platform foundation?



Azure Cognitive Services – pretrained AI



The most comprehensive pre-trained AI



Bühler

Customer context

Just one grain infected with a highly carcinogenic mold called aflatoxin can be all it takes to poison the whole harvest and sicken or even kill people and animals, not to mention the waste of having to throw out the lot when contamination isn't found in

Solution overview

Buhler has built LumoVision, a data-driven optical sorter that's connected to the cloud for data analysis and uses powerful

Impact

LumoVision's real-time identification and elimination keeps toxins from spreading and infecting even more kernels

Reduces the amount of healthy grain that gets wasted in the process to less than 5 percent, from as much as 25 percent with



We're not only going to get economic results, but hopefully we can transform and save lives at the same time."

– Ben Deefholts,
Bühler's senior research engineer for digital technologies

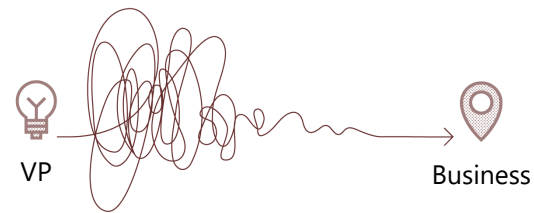


What to do when you have a great value proposition that doesn't naturally fit in?

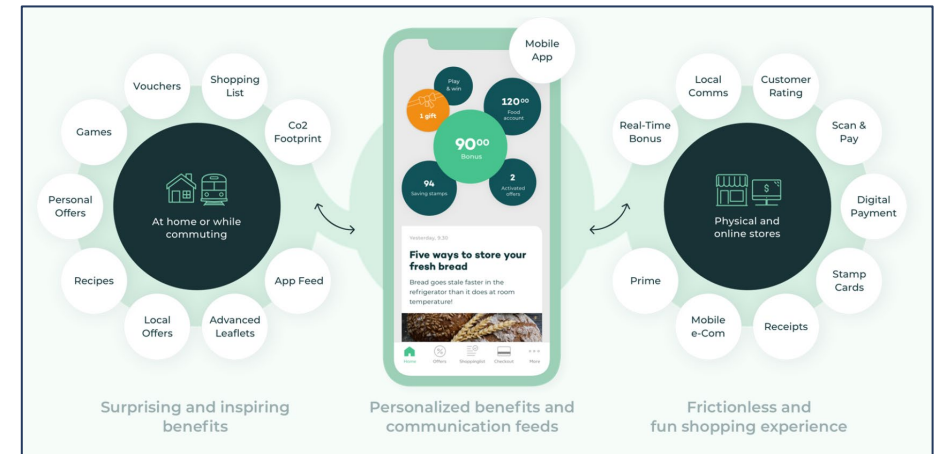


Retail loyalty app for internal use, driving retail store traffic and building customer loyalty across Coop stores

Microsoft ISV partner transformation



Diverging VP into a separate entity



Azure-based SaaS offering aimed towards other FMCG retailers that wants to increase digital presence and maintain relevance.

[Check them out here!](#)

Example of an Intelligent App



knowledge mining?

Uncover latent insights



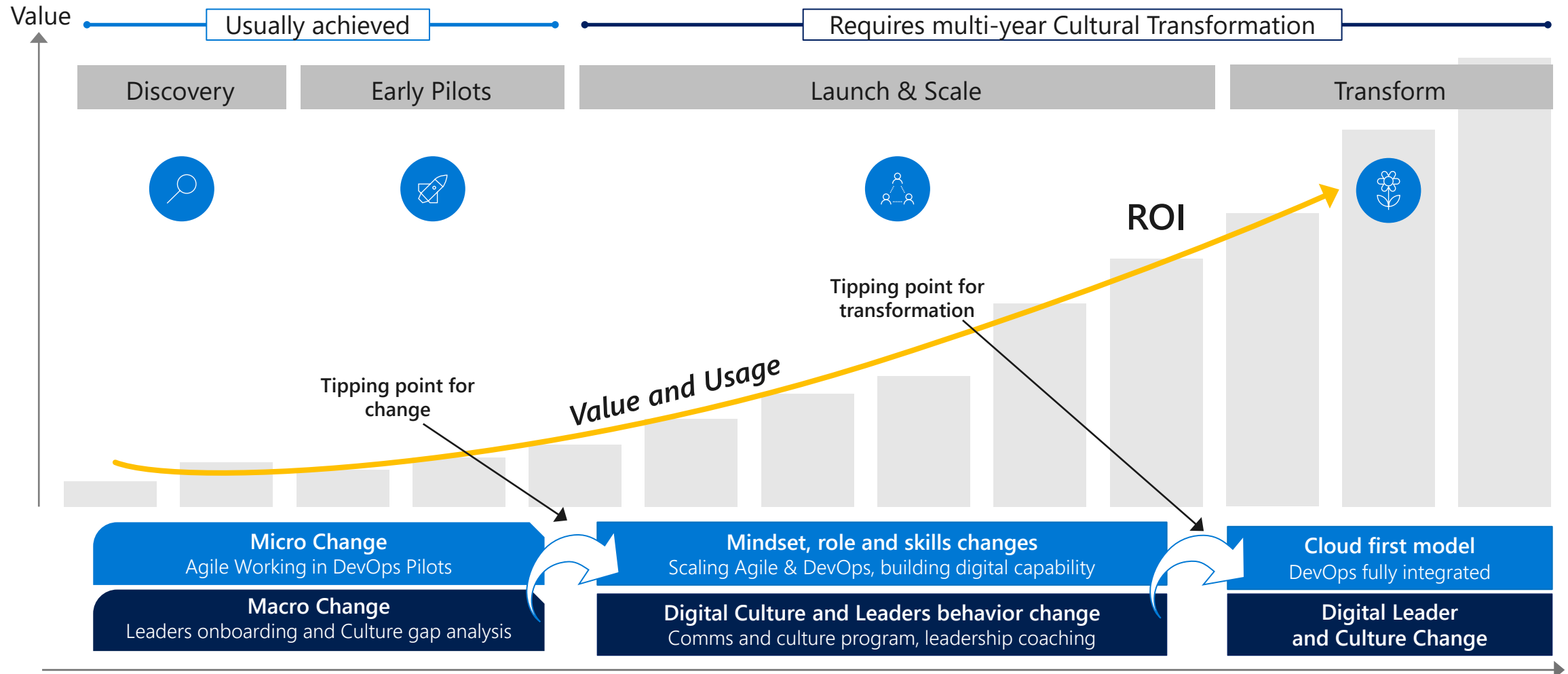
Demo: JFK Files



Getting the foundation right

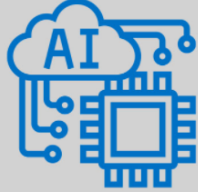







There is no Digital Innovation without a Cultural Transformation Microsoft

Accelerating value by driving Digital Culture and Leadership Change to increase customer innovation, agility and digital capability

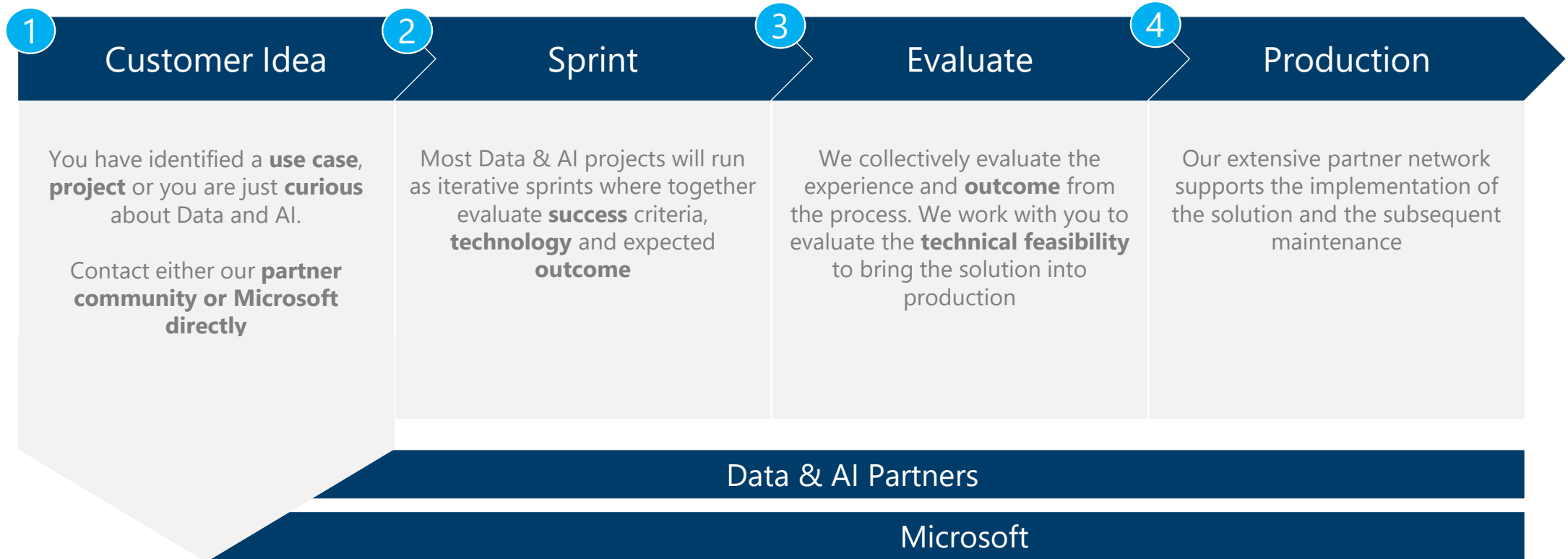


Tech intensity & skilling



 <p>Azure AI Engineer Associate Learn how to analyze, design and implement AI solutions that are scalable and perform.</p> <p>LEARN MORE ></p>	 <p>Azure AI Fundamentals Learn about Machine Learning and AI and how they can be implemented using Microsoft Azure.</p> <p>LEARN MORE ></p>	 <p>Azure Data Engineer Associate Find out how to design and implement the management, monitoring, security, and privacy of data.</p> <p>LEARN MORE ></p>	 <p>Azure Data Fundamentals Learn to work with data in the cloud and implement it using Microsoft Azure Data Services.</p> <p>LEARN MORE ></p>
 <p>Azure Data Scientist Associate Discover how to implement and run machine learning workloads using Azure Machine Learning.</p> <p>LEARN MORE ></p>	 <p>Azure Database Administrator Associate Learn how to use a variety of methods and tools to perform day-to-day operations.</p> <p>LEARN MORE ></p>	 <p>Azure IoT Developer Specialty Learn to implement designs for Azure IoT solutions, as well as manage and transform data.</p> <p>LEARN MORE ></p>	 <p>Data Analyst Associate Discover how to design and build scalable data models and enable advanced analytics capabilities.</p> <p>LEARN MORE ></p>

How to get started





Thank you