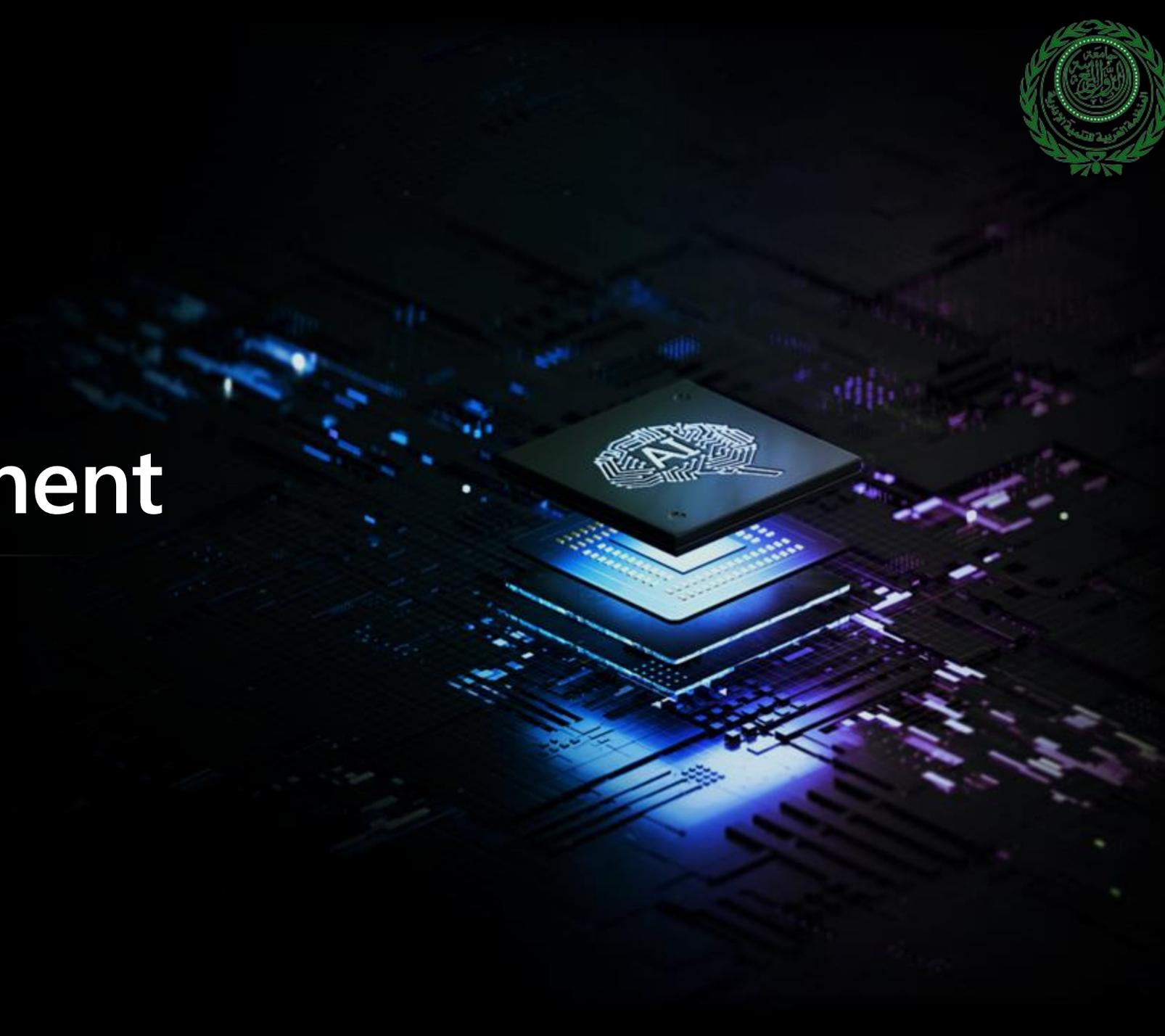


AI in Government

Power your AI transformation

Mohamed Sami El-Tahawy

WW Gov | Regional Industry Advisor



Mohamed Sami



18+ years
in Government Strategic
Transformational Programs

- ✉ email – mohamed.eltahawy@microsoft.com
melsatar@melsatar.blog
- in [LinkedIn](https://www.linkedin.com/in/melsatar) – [linkedin.com/in/melsatar](https://www.linkedin.com/in/melsatar)
- W <https://melsatar.blog/>

Government
Enterprise Architect

Design Thinking

Cloud

Banking

Mega Projects

Transformation

Business Analysis

Data Management
Tax

Trade-off
Analysis

Insurance

Coding
Digital
Consulting

Strategy
Product Thinking

Manufacturing



Cairo University
Bachelor of Bio-Medical Engineering)



Nile University
Master of Software Engineering



International Management
Institute
General Management
Program



Teaching Professor

05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Present
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---------



Arab Republic of Egypt
Ministry of Communications and
Information Technology

Emerging Technology Manager &
Enterprise Architect



Prindit - Software Officer



Presales Senior
Architect



Enterprise
Solutions Architect



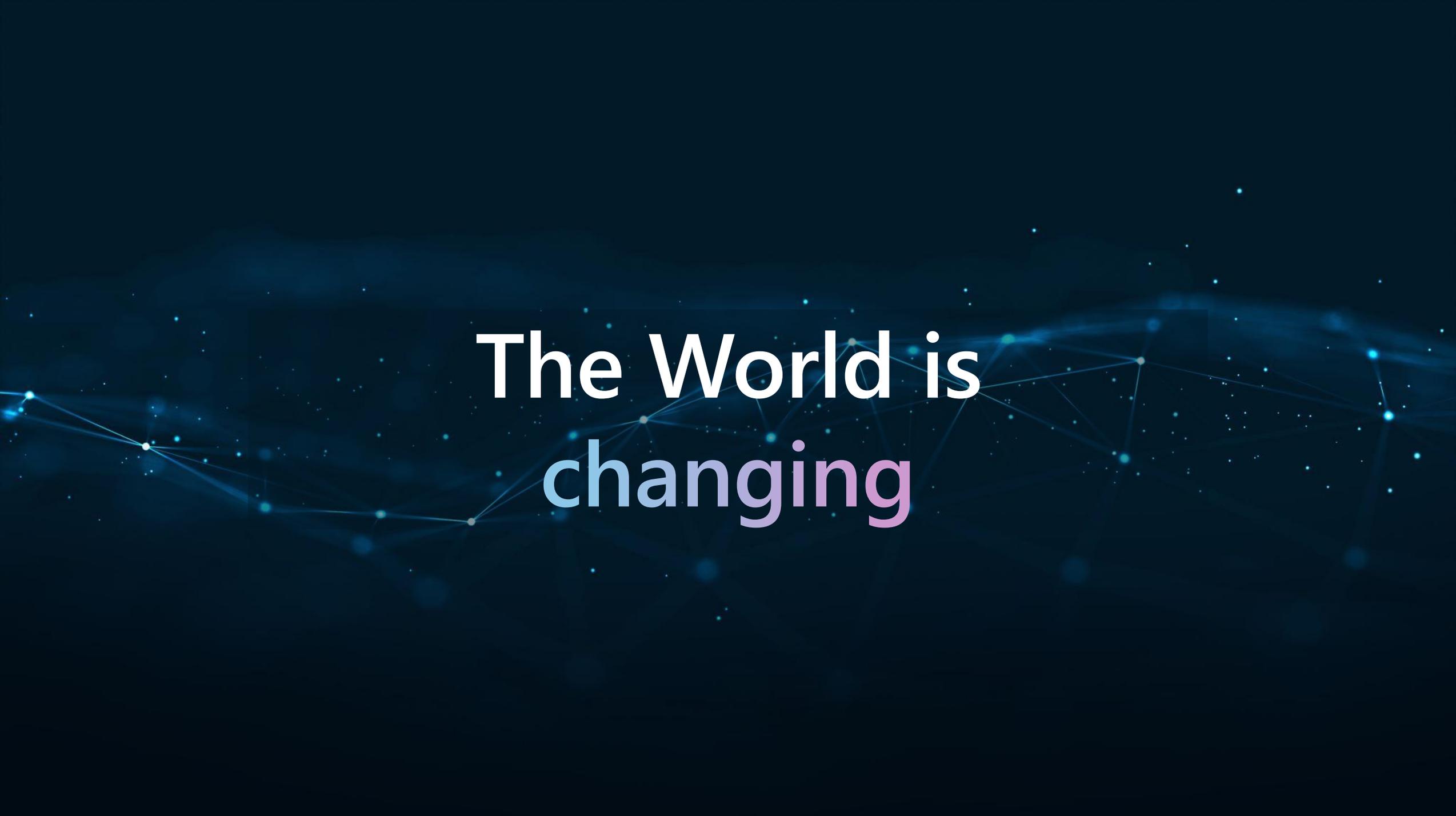
Digital Consultant



Digital Advisor Regional Industry
Community Co-Lead

Agenda

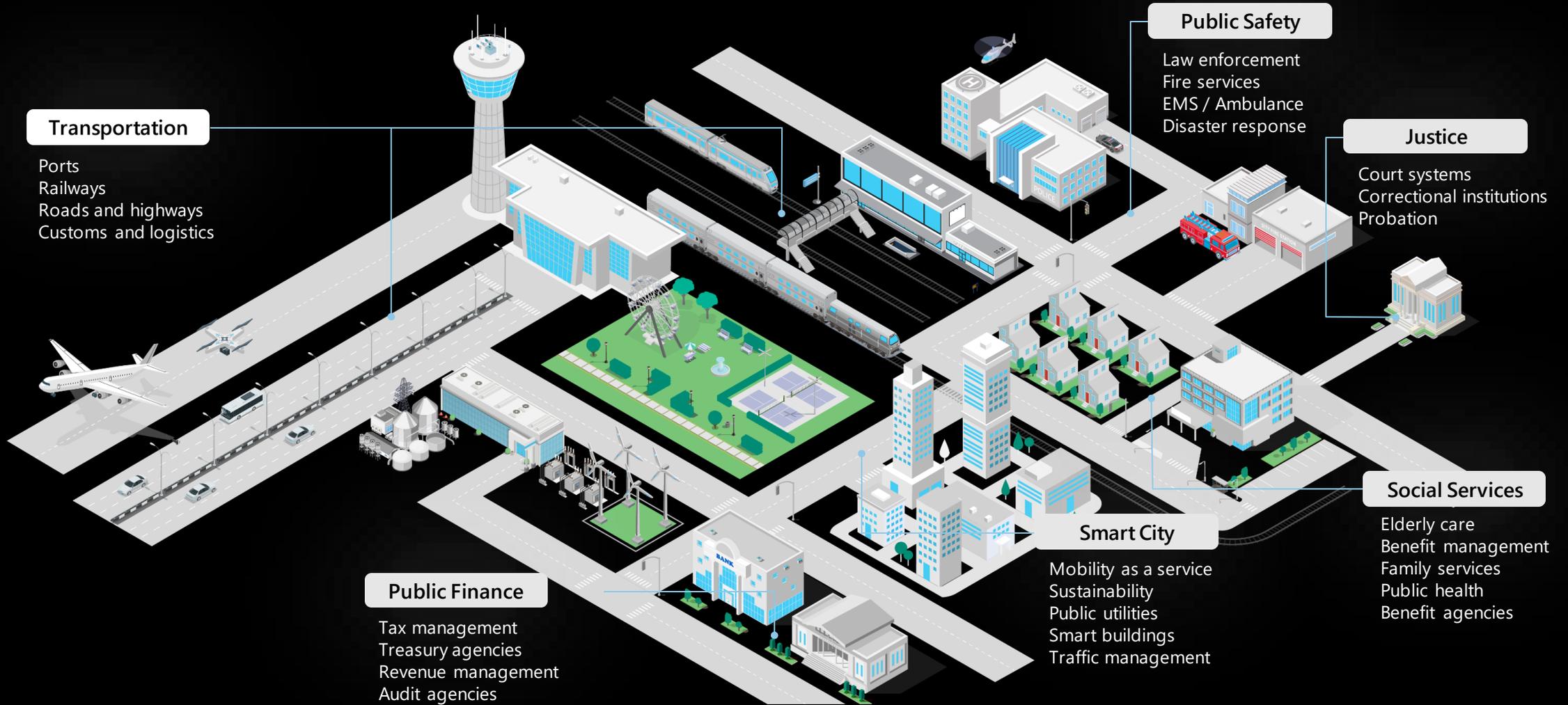
- Why Artificial Intelligence (AI)?
- How can Microsoft enable your AI Transformation?
- Impact of AI in Government
- Microsoft runs on trust
- How to start your AI Journey

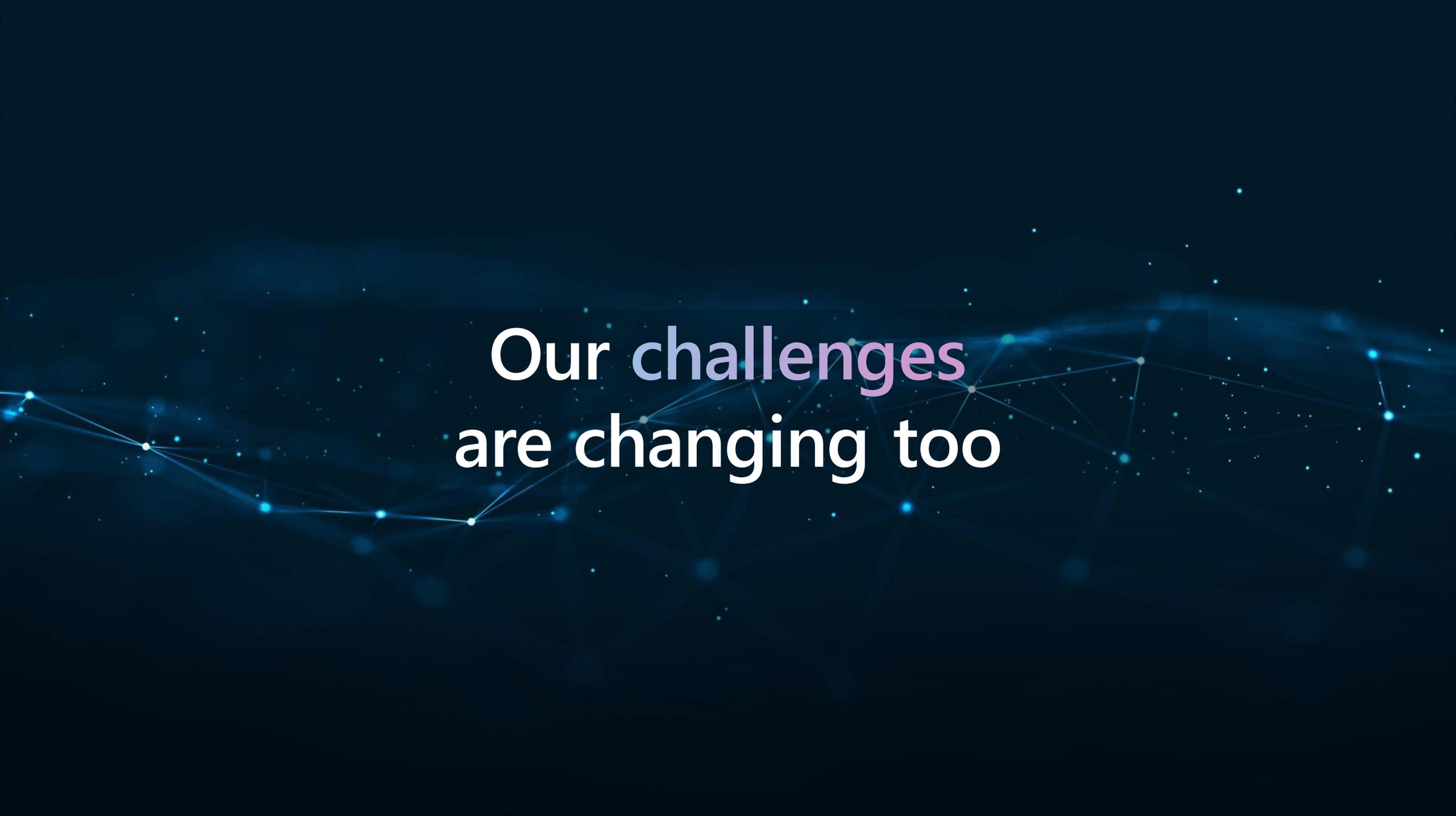


The World is
changing

The world we live in

The world is more connected than ever





Our challenges
are changing too

Going from crisis to multi crises makes public sector defocused

Energy crises

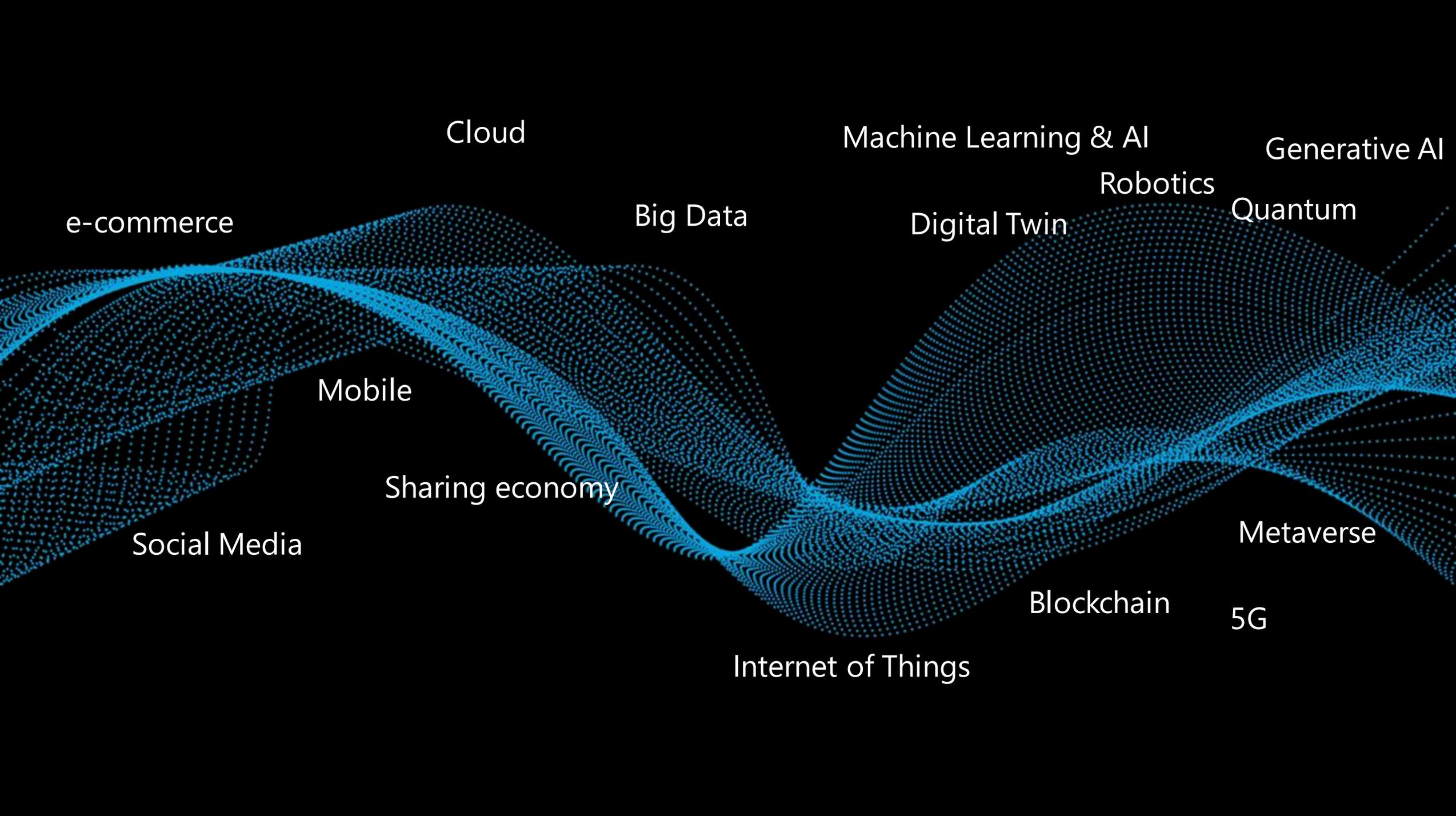
Inflationary &
Productivity
Pressure

Geopolitical unrest

Transition to
green

Security threat

Skill shortage



Cloud

Machine Learning & AI

Generative AI

e-commerce

Big Data

Digital Twin

Robotics

Quantum

Mobile

Sharing economy

Social Media

Metaverse

Blockchain

5G

Internet of Things

Digital debt is costing us innovation

64%

of employees don't have
enough time or energy to
do their job

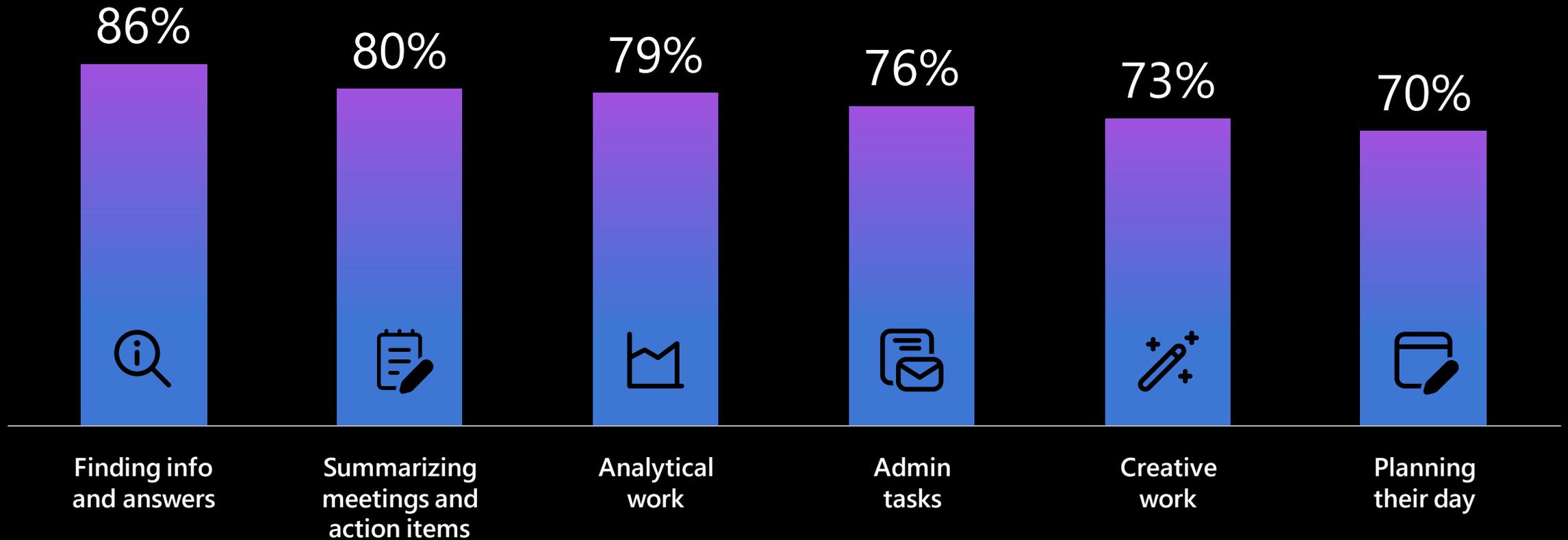
57%

of employees' time is
spent communicating

43%

of employees' time is
spent creating

What employees want from AI



AI is shifting business today

Every
individual

Every
team

Every
industry

For every \$1 a company invests in AI,
it is realizing an average return of

\$3.5

14 months

Average time it takes for organizations to
realize a return on their AI investment

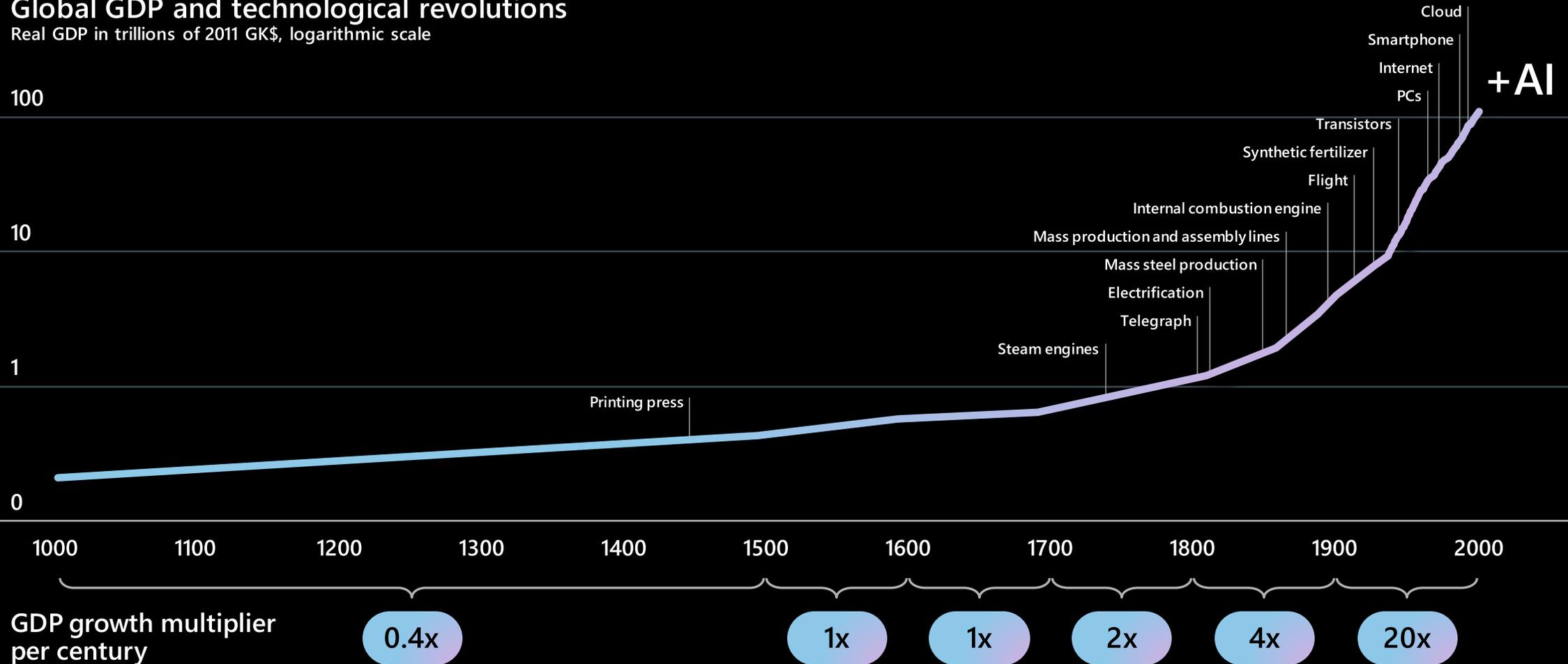
83%

of enterprise decision makers plan
to increase AI spend this year

Technology drives GDP growth, and the pace of change is accelerating

Global GDP and technological revolutions

Real GDP in trillions of 2011 GK\$, logarithmic scale



Source: Maddison Project, Ourworldindata

The potential impact of Artificial Intelligence

AI is the greatest opportunity in global economic growth

UP
TO **14%**

AI's potential to significantly contribute to global GDP growth by 2030

\$15.7T

potential contribution to the global economy by 2030 from AI¹

37%

annual increase in the global AI market size from 2023 to 2030

\$300B

expected AI-centric system spending by 2026

AI high impact on below industries in the short term

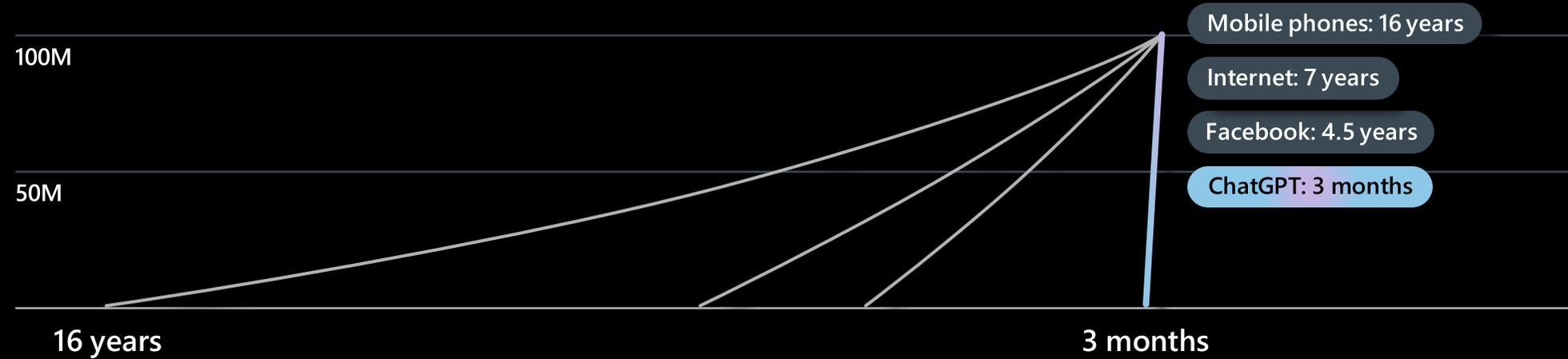


Sourced from PWC AI impact index evaluation report.
Potential scores range from 1-5, with 5 indicating the highest potential impact.

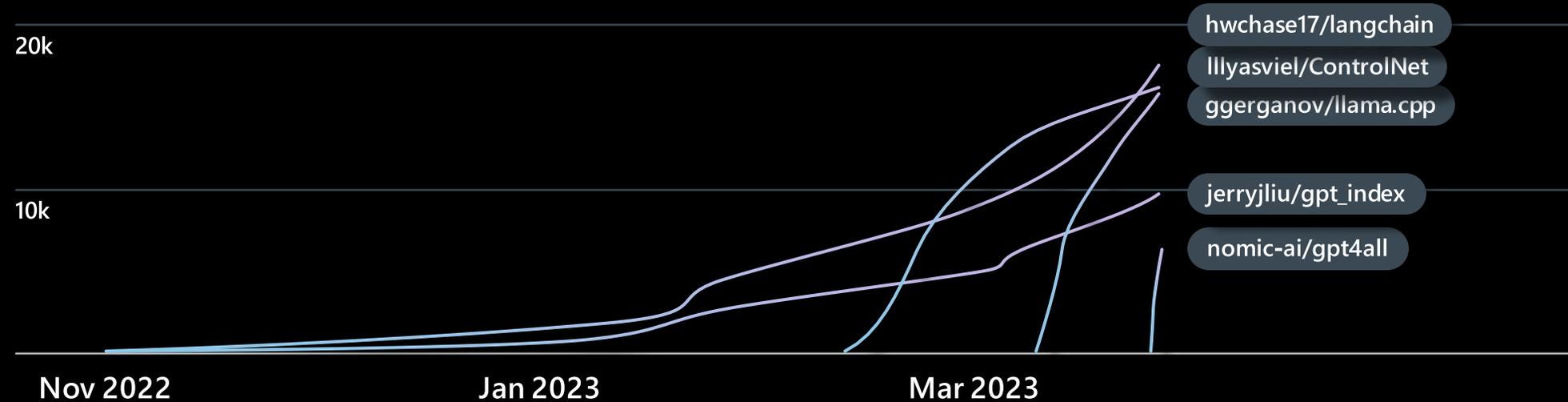
[Download the full report](#)

Vertical growth

Time to reach
100M users

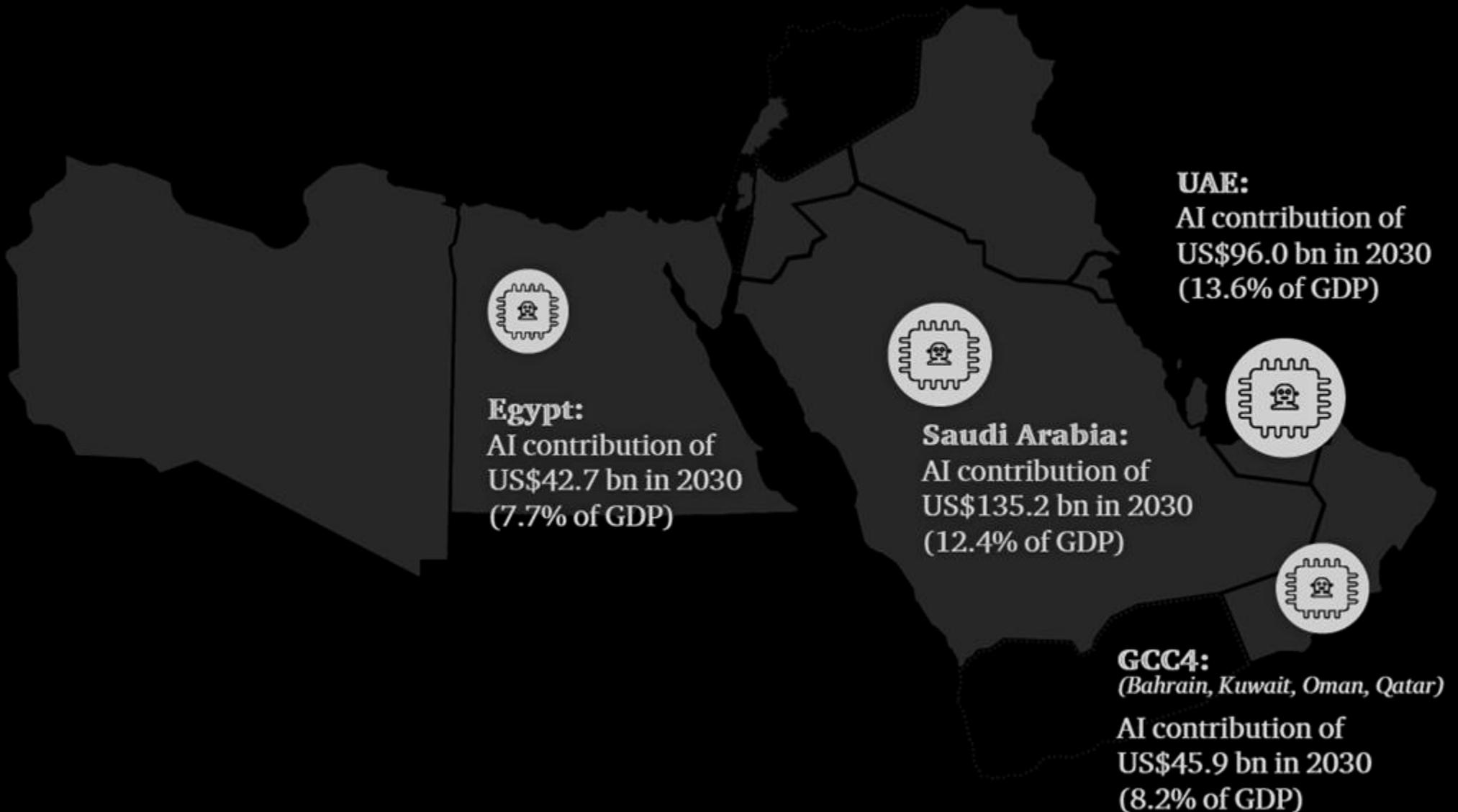


GitHub Repo
growth



\$1.75 T productivity gains per year in the public sector globally by 2033

US\$320 billion impact of AI for the Middle East



The Race for National AI Competitiveness is Increasing

National Strategies & Initiatives

Dedicated Ministry, Authorities, Councils, Collaboration Platforms (*in the GCC in particular*)

1 Public Sector Adoption

Promoting AI adoption within govt. and public sector organizations

2 AI Compute, Chipset Investments

Hundreds of millions of US\$ worth of accelerator chipset investments*

3 Local LLM development

Driven by universities, local AI firms, research institutes, supported by govt authorities

4 Developing AI Firms and Ecosystem

Scaling up indigenous AI providers; Building AI ecosystem; Accelerators for startups

5 Finding Balanced Regulatory Approach

Guidelines, toolkits; Finding the regulatory balance among innovation, security, and privacy

6 AI Skills Development

Education and training on AI; Attracting top global talents

HAVE YOU FIGURED
OUT HOW AI WILL
IMPACT OUR
BUSINESS?



WORKING
ON IT.



How will AI impact
our business?



There are many ways
that AI can impact

TOM
FISH
BURNE

© marketoonist.com

Why AI in Government



New ways of
engaging with
employees
and people



Generative AI
Explainable AI
Sustainable AI



Leverage AI driven
data insights
To deliver better
services



Smart business
innovation and
automation



Optimize
employee time
and skills



Essential part
of process
improvement
and business
decision making

← Security & Trust →

AI is impacting all sectors



Health

- Extracting insights from medical images
- Creating personalized treatment plans*
- Speeding up groundbreaking research*



Central Gov

- Public Services AI Assistant*
- Accelerating content generation*
- Personalized Citizen Engagement*



FSI & Finance

- Credit Scoring*
- Conversational finance*
- Smart Virtual Assistants*



Education

- AI Virtual Tutor*
- AI assistants for lesson planning*
- AI chatbots for student support*



Environment

- Biodiversity Conservation
- Environmental restoration*
- Land Use & Urban Planning
- Environmental education*



Transport & Logistics

- Real-Time Traffic Management*
- Smart Parking
- Demand forecasting*
- Route Optimization*



Cross Industry

- Intelligent Website & Applications*
- RFP Generator*
- Intelligent Contact Center
- Enterprise CoPilots (Semantic Kernel/LangChain)*
- Supply Chain optimization
- Financial Fraud (e.g., Tax, Public Funds etc.)
- Healthcare Fraud (e.g., Insurance etc.)
- Identity & Document Fraud (e.g., Identity Theft etc.)
- Communication & PR Content Generation*
- Survey Generation*

*Generative AI use case

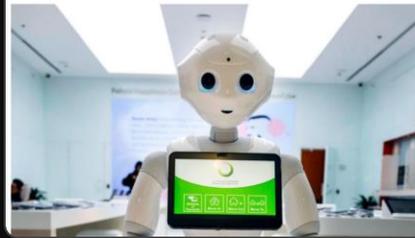


AI is disrupting and
impact is real

The AI technology is here

Dubai: 'Hello ChatGPT, how much is my electricity bill?' Dewa uses chatbot to provide 24x7 service

Integrating the AI tool with Rammas will allow users to feel as if they are communicating with a customer service agent



AI Generated image representing a concept of AI Government - ideopuregenerator.com

Unleashing the Power of AI: Governments Tap into ChatGPT to Drive Efficiency and Innovation in Public Service Delivery

Forbes

FORBES > INNOVATION > ENTERPRISE & CLOUD

What ChatGPT And Generative AI Mean For Your Business

CNN BUSINESS

Real estate agents say they can't imagine working without ChatGPT now

VentureBeat

Microsoft gives businesses a GPT boost in Teams and Viva Sales

USA TODAY

New Bing with ChatGPT brings the power of AI to Microsoft's signature search engine

COMPUTERWORLD UNITED STATES

NEWS

Microsoft's new Teams Premium tier integrates with OpenAI's GPT-3.5

Weeks after extending its multibillion dollar partnership with OpenAI, Microsoft has announced that new Teams AI capabilities will be underpinned by OpenAI's GPT-3.5 natural language model.

The Verge

MICROSOFT / TECH / ARTIFICIAL INTELLIGENCE

Microsoft launches Azure OpenAI service with ChatGPT coming soon / ChatGPT is coming to this Azure service soon, as businesses get to use new AI models in their own apps.

And the impact is real



With help from next-generation AI, Indian villagers gain easier access to government services



Ville de Laval speeds up community response systems with an Azure AI solution



Government of Albania recovers from cyberattack in three days, builds resilience with Microsoft Security solution



Government of Nunavut uses machine translation to promote Indigenous languages



Assisted by AI, Brazil Tax Agency optimized the tax audit process for fair and sustainable Tax environment



Generative AI tools are helping people with listening difficulties in Japan

And the impact is real



The Victorian Department of Premier and Cabinet embraces digital transformation with Microsoft Teams



Dominican Republic repels cyber attacks with the help of Microsoft Dynamics and Microsoft Azure



With the adoption of AI, The Brazil Attorney General's Office seeks to improve efficiency in legal proceedings



The City of Kelowna increases and speeds access to its 311 non-emergency municipal services with Azure AI



New York City Department of Environmental Protection pioneers chatbot innovation improving employee experiences and operational efficiency



AI Chatbot answers the call for efficient customer service in Aberdeen City Council



Welcome to the AI revolution

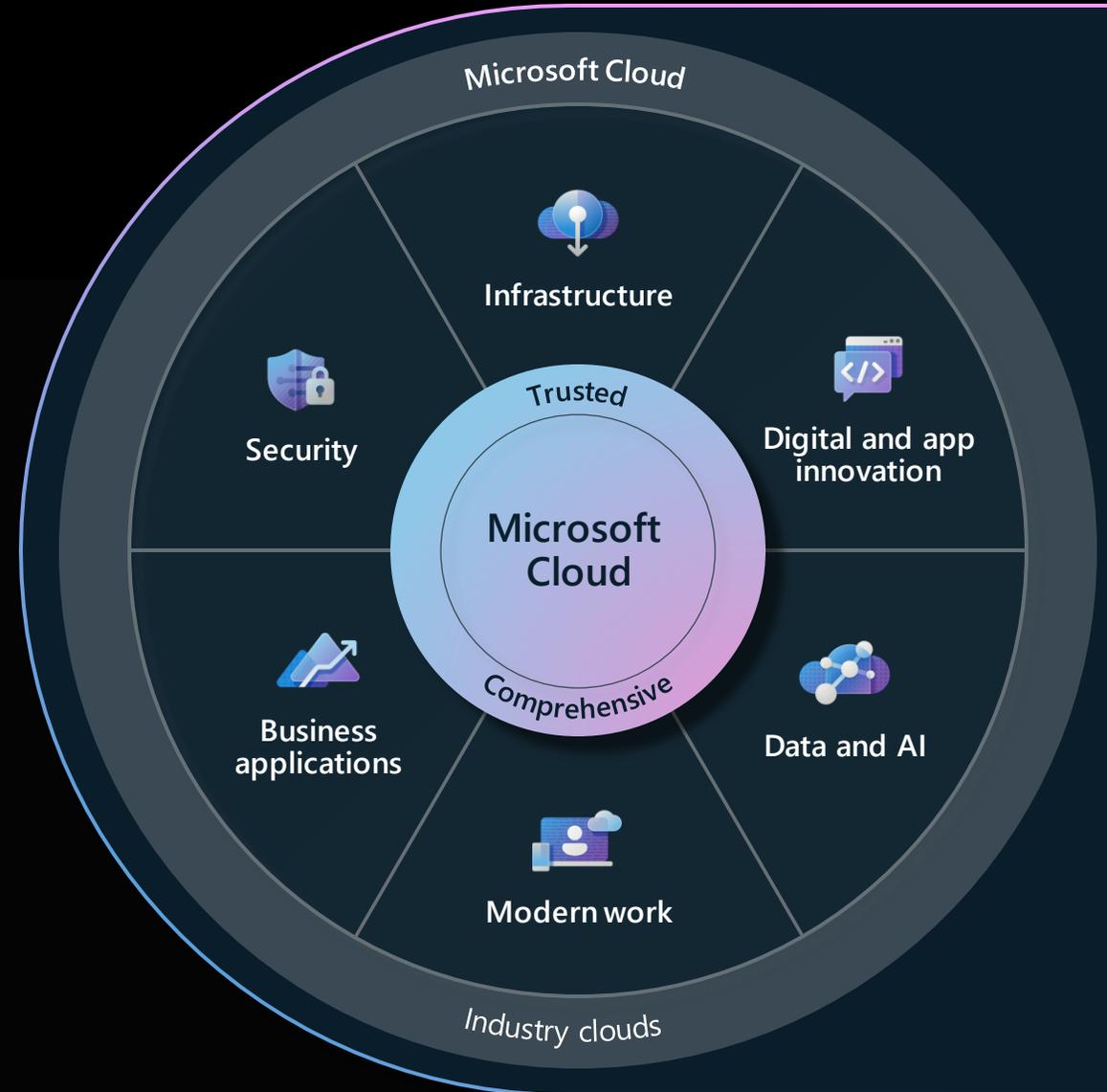
How to Enable your
AI Transformation?

Enabling AI transformation

Unlock productivity across your business with Microsoft Copilot

Build your AI capability with an open AI platform and partner ecosystem

Co-innovate with trust and safeguard your business

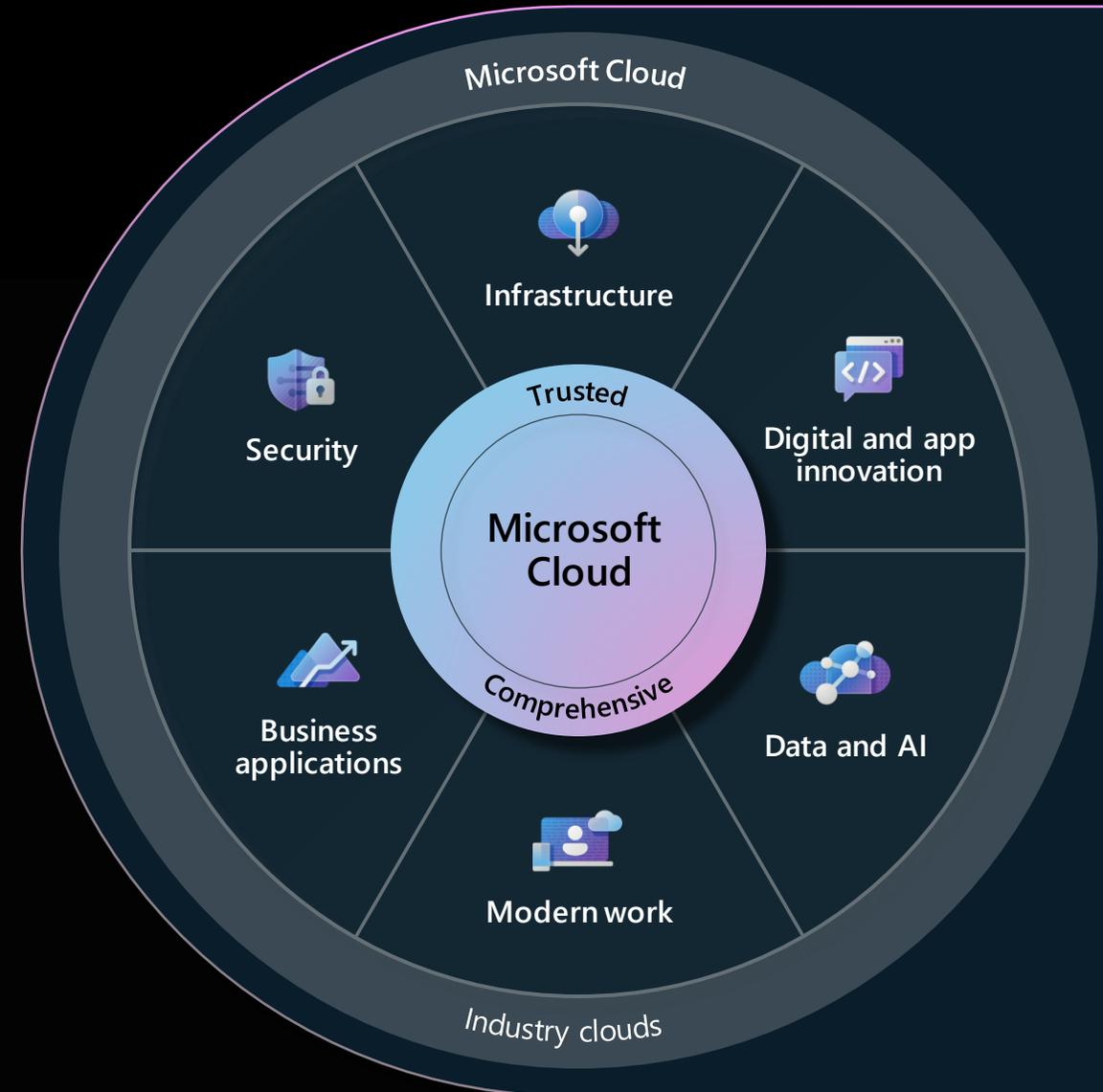


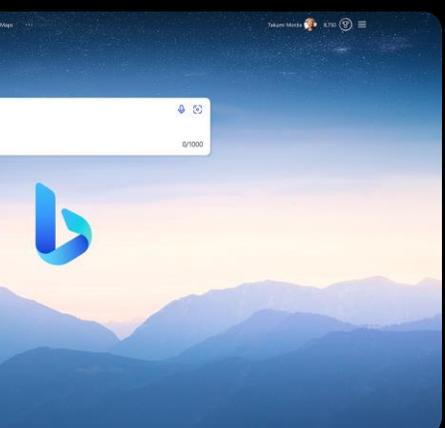
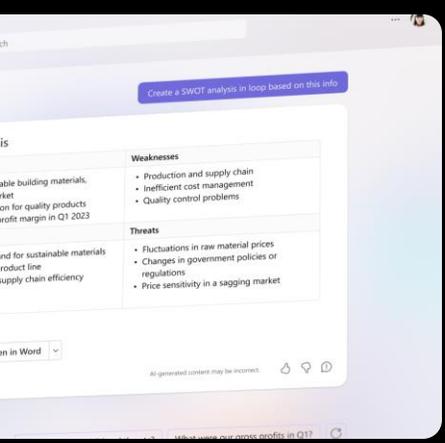
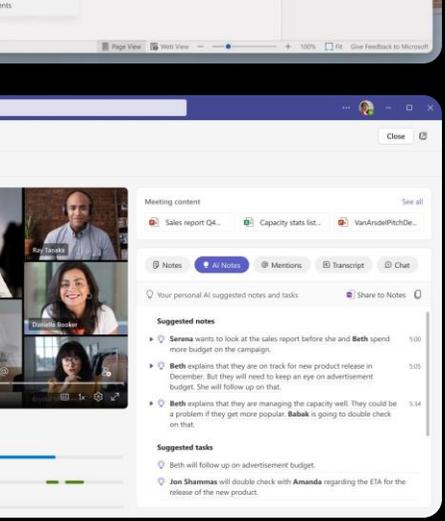
Enabling AI transformation

Unlock productivity across your business with Microsoft Copilot

Build your AI capability with an open AI platform and partner ecosystem

Co-innovate with trust and safeguard your business





Write unit tests for this function

```

import unittest
import datetime

class TestParseExpenses(unittest.TestCase):
    def test_parse_expenses(self):
        expenses_string = "2023-01-02 -34.01 USD\n2023-01-03 2.50 USD\n2023-01-04 -12.34 USD\n2023-01-05 56.78 USD\n2023-01-06 -9.01 USD\n2023-01-07 12.34 USD\n2023-01-08 -45.67 USD\n2023-01-09 78.90 USD\n2023-01-10 -23.45 USD\n2023-01-11 67.89 USD\n2023-01-12 -10.12 USD\n2023-01-13 34.56 USD\n2023-01-14 -78.90 USD\n2023-01-15 12.34 USD\n2023-01-16 -56.78 USD\n2023-01-17 90.12 USD\n2023-01-18 -23.45 USD\n2023-01-19 67.89 USD\n2023-01-20 -10.12 USD\n2023-01-21 34.56 USD\n2023-01-22 -78.90 USD\n2023-01-23 12.34 USD\n2023-01-24 -56.78 USD\n2023-01-25 90.12 USD\n2023-01-26 -23.45 USD\n2023-01-27 67.89 USD\n2023-01-28 -10.12 USD\n2023-01-29 34.56 USD\n2023-01-30 -78.90 USD\n2023-01-31 12.34 USD\n2023-02-01 -56.78 USD\n2023-02-02 90.12 USD\n2023-02-03 -23.45 USD\n2023-02-04 67.89 USD\n2023-02-05 -10.12 USD\n2023-02-06 34.56 USD\n2023-02-07 -78.90 USD\n2023-02-08 12.34 USD\n2023-02-09 -56.78 USD\n2023-02-10 90.12 USD\n2023-02-11 -23.45 USD\n2023-02-12 67.89 USD\n2023-02-13 -10.12 USD\n2023-02-14 34.56 USD\n2023-02-15 -78.90 USD\n2023-02-16 12.34 USD\n2023-02-17 -56.78 USD\n2023-02-18 90.12 USD\n2023-02-19 -23.45 USD\n2023-02-20 67.89 USD\n2023-02-21 -10.12 USD\n2023-02-22 34.56 USD\n2023-02-23 -78.90 USD\n2023-02-24 12.34 USD\n2023-02-25 -56.78 USD\n2023-02-26 90.12 USD\n2023-02-27 -23.45 USD\n2023-02-28 67.89 USD\n2023-02-29 -10.12 USD\n2023-03-01 34.56 USD\n"
        expected_output = [(datetime.datetime(2023, 1, 2), "-34.01"), (datetime.datetime(2023, 1, 3), "2.50"), (datetime.datetime(2023, 1, 4), "-12.34"), (datetime.datetime(2023, 1, 5), "56.78"), (datetime.datetime(2023, 1, 6), "-9.01"), (datetime.datetime(2023, 1, 7), "12.34"), (datetime.datetime(2023, 1, 8), "-45.67"), (datetime.datetime(2023, 1, 9), "78.90"), (datetime.datetime(2023, 1, 10), "-23.45"), (datetime.datetime(2023, 1, 11), "67.89"), (datetime.datetime(2023, 1, 12), "-10.12"), (datetime.datetime(2023, 1, 13), "34.56"), (datetime.datetime(2023, 1, 14), "-78.90"), (datetime.datetime(2023, 1, 15), "12.34"), (datetime.datetime(2023, 1, 16), "-56.78"), (datetime.datetime(2023, 1, 17), "90.12"), (datetime.datetime(2023, 1, 18), "-23.45"), (datetime.datetime(2023, 1, 19), "67.89"), (datetime.datetime(2023, 1, 20), "-10.12"), (datetime.datetime(2023, 1, 21), "34.56"), (datetime.datetime(2023, 1, 22), "-78.90"), (datetime.datetime(2023, 1, 23), "12.34"), (datetime.datetime(2023, 1, 24), "-56.78"), (datetime.datetime(2023, 1, 25), "90.12"), (datetime.datetime(2023, 1, 26), "-23.45"), (datetime.datetime(2023, 1, 27), "67.89"), (datetime.datetime(2023, 1, 28), "-10.12"), (datetime.datetime(2023, 1, 29), "34.56"), (datetime.datetime(2023, 1, 30), "-78.90"), (datetime.datetime(2023, 1, 31), "12.34"), (datetime.datetime(2023, 2, 1), "-56.78"), (datetime.datetime(2023, 2, 2), "90.12"), (datetime.datetime(2023, 2, 3), "-23.45"), (datetime.datetime(2023, 2, 4), "67.89"), (datetime.datetime(2023, 2, 5), "-10.12"), (datetime.datetime(2023, 2, 6), "34.56"), (datetime.datetime(2023, 2, 7), "-78.90"), (datetime.datetime(2023, 2, 8), "12.34"), (datetime.datetime(2023, 2, 9), "-56.78"), (datetime.datetime(2023, 2, 10), "90.12"), (datetime.datetime(2023, 2, 11), "-23.45"), (datetime.datetime(2023, 2, 12), "67.89"), (datetime.datetime(2023, 2, 13), "-10.12"), (datetime.datetime(2023, 2, 14), "34.56"), (datetime.datetime(2023, 2, 15), "-78.90"), (datetime.datetime(2023, 2, 16), "12.34"), (datetime.datetime(2023, 2, 17), "-56.78"), (datetime.datetime(2023, 2, 18), "90.12"), (datetime.datetime(2023, 2, 19), "-23.45"), (datetime.datetime(2023, 2, 20), "67.89"), (datetime.datetime(2023, 2, 21), "-10.12"), (datetime.datetime(2023, 2, 22), "34.56"), (datetime.datetime(2023, 2, 23), "-78.90"), (datetime.datetime(2023, 2, 24), "12.34"), (datetime.datetime(2023, 2, 25), "-56.78"), (datetime.datetime(2023, 2, 26), "90.12"), (datetime.datetime(2023, 2, 27), "-23.45"), (datetime.datetime(2023, 2, 28), "67.89"), (datetime.datetime(2023, 2, 29), "-10.12"), (datetime.datetime(2023, 3, 1), "34.56")]
        self.assertEqual(parse_expenses(expenses_string), expected_output)

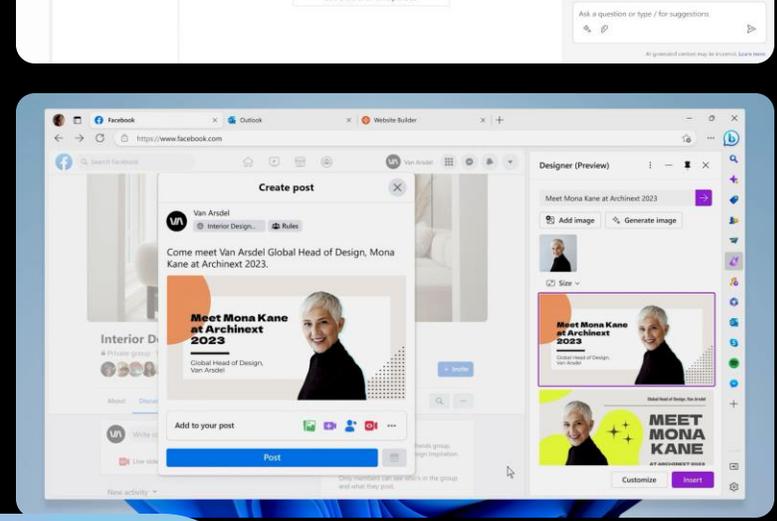
    def test_parse_expenses_with_comments(self):
        expenses_string = "# This is a comment\n2023-01-01 12.34 USD\n2023-01-02 -56.78 USD\n2023-01-03 90.12 USD\n2023-01-04 -23.45 USD\n2023-01-05 67.89 USD\n2023-01-06 -10.12 USD\n2023-01-07 34.56 USD\n2023-01-08 -78.90 USD\n2023-01-09 12.34 USD\n2023-01-10 -56.78 USD\n2023-01-11 90.12 USD\n2023-01-12 -23.45 USD\n2023-01-13 67.89 USD\n2023-01-14 -10.12 USD\n2023-01-15 34.56 USD\n2023-01-16 -78.90 USD\n2023-01-17 12.34 USD\n2023-01-18 -56.78 USD\n2023-01-19 90.12 USD\n2023-01-20 -23.45 USD\n2023-01-21 67.89 USD\n2023-01-22 -10.12 USD\n2023-01-23 34.56 USD\n2023-01-24 -78.90 USD\n2023-01-25 12.34 USD\n2023-01-26 -56.78 USD\n2023-01-27 90.12 USD\n2023-01-28 -23.45 USD\n2023-01-29 67.89 USD\n2023-01-30 -10.12 USD\n2023-01-31 34.56 USD\n"
        expected_output = [(datetime.datetime(2023, 1, 1), "12.34"), (datetime.datetime(2023, 1, 2), "-56.78"), (datetime.datetime(2023, 1, 3), "90.12"), (datetime.datetime(2023, 1, 4), "-23.45"), (datetime.datetime(2023, 1, 5), "67.89"), (datetime.datetime(2023, 1, 6), "-10.12"), (datetime.datetime(2023, 1, 7), "34.56"), (datetime.datetime(2023, 1, 8), "-78.90"), (datetime.datetime(2023, 1, 9), "12.34"), (datetime.datetime(2023, 1, 10), "-56.78"), (datetime.datetime(2023, 1, 11), "90.12"), (datetime.datetime(2023, 1, 12), "-23.45"), (datetime.datetime(2023, 1, 13), "67.89"), (datetime.datetime(2023, 1, 14), "-10.12"), (datetime.datetime(2023, 1, 15), "34.56"), (datetime.datetime(2023, 1, 16), "-78.90"), (datetime.datetime(2023, 1, 17), "12.34"), (datetime.datetime(2023, 1, 18), "-56.78"), (datetime.datetime(2023, 1, 19), "90.12"), (datetime.datetime(2023, 1, 20), "-23.45"), (datetime.datetime(2023, 1, 21), "67.89"), (datetime.datetime(2023, 1, 22), "-10.12"), (datetime.datetime(2023, 1, 23), "34.56"), (datetime.datetime(2023, 1, 24), "-78.90"), (datetime.datetime(2023, 1, 25), "12.34"), (datetime.datetime(2023, 1, 26), "-56.78"), (datetime.datetime(2023, 1, 27), "90.12"), (datetime.datetime(2023, 1, 28), "-23.45"), (datetime.datetime(2023, 1, 29), "67.89"), (datetime.datetime(2023, 1, 30), "-10.12"), (datetime.datetime(2023, 1, 31), "34.56")]
        self.assertEqual(parse_expenses(expenses_string), expected_output)

```

ChatGPT

Examples Capabilities

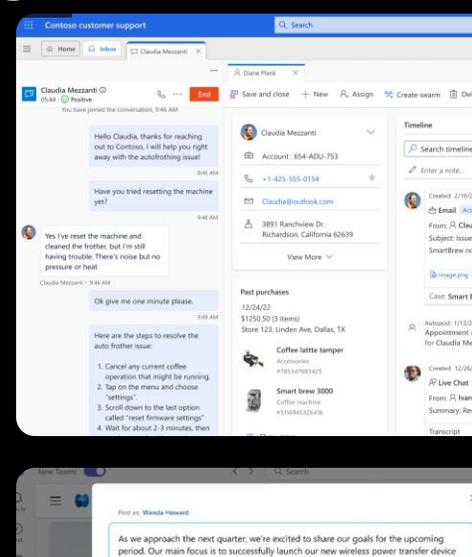
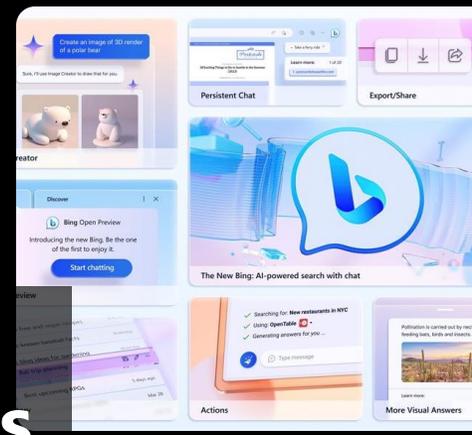
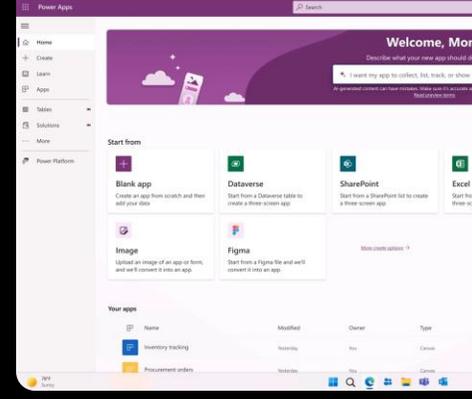
- "Explain quantum computing in simple terms" →
- Remembers what user said earlier in the conversation
- May occasionally generate harmful or inappropriate content
- "Got any creative ideas for a 10 year old's birthday?" →
- Allows user to provide follow-up corrections
- May occasionally generate harmful or inappropriate content
- "How do I make an HTTP request in Javascript?" →
- Trained on data up to 2021



```

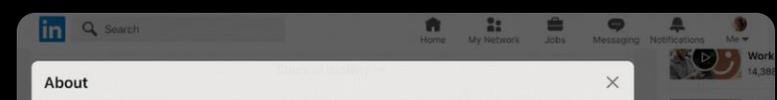
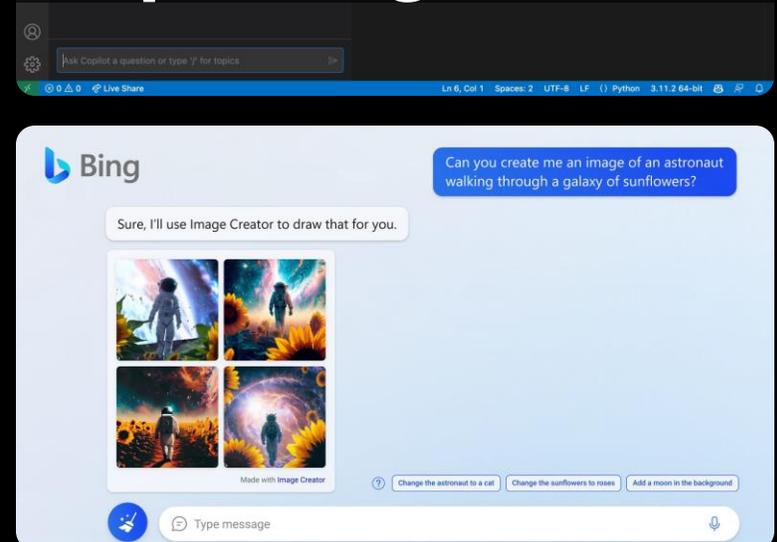
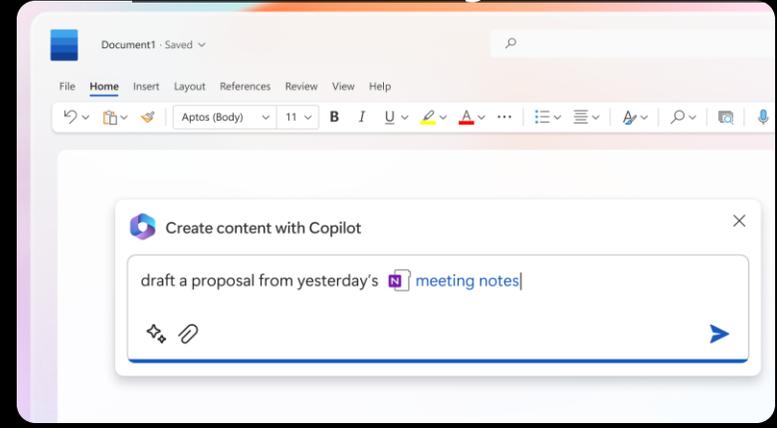
password.py
1
2 Password helper functions
3
4 import re
5
6
7

```



Copilot

An application using modern AI to assist you with complex cognitive tasks



Microsoft Copilot is **already** transforming work

75%

spent less time searching for information

71%

saved time on routine tasks

3.5x

faster at catching up on missed meetings

1.2

hours saved on average per week



77%

choose Copilot
over free lunch



Microsoft Copilot

empowers
every end user

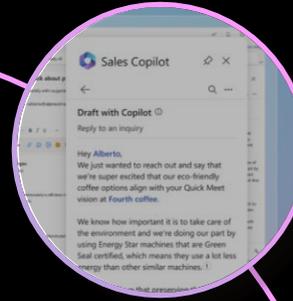
Customer service

Resolve 14% more customer issues per hour



Business operations

Streamline the process of checking and answering emails



Security operations

Respond to threats in minutes, not hours



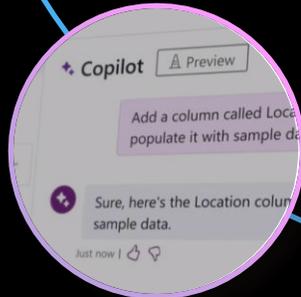
Software developers

Code 55% faster



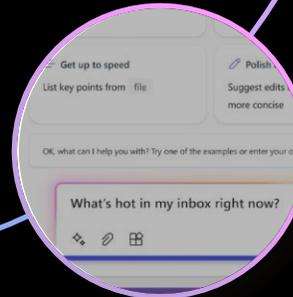
Data & IT pros

Create workflows in half the time



Knowledge workers

Complete tasks 37% quicker



Microsoft Copilots

Microsoft 365 Copilot



Bing

Better Q&A and task completion



Edge

Better interaction with web content

Copilots for web



Word

Better reading and writing assistance



Outlook

Better e-mail management



Excel

Better data analysis



PowerPoint

Better presentations



Teams

Better Meetings



M365 Chat

Better knowledge management



Designer

Better digital creations

Copilot for creativity



Windows Copilot

Better interaction with OS, apps, and files

Copilot for everyday



Sales Copilot

Better marketing, sales, and customer support

Copilots for business



Fabric Copilot

Better data analytics and business intelligence

Copilots for analytics



Security Copilot

Better threat detection, identification, and mitigation

Copilot for security



GitHub Copilot

Better code development

Copilot for development



Power Platform Copilot

Better creation of apps, workflows, and agents

Copilot for low/no code development

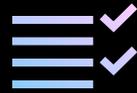
And coming features in Nuance, LinkedIn, Xbox, and others!



What every employee wants from AI



Finding info
and answers



Summarizing meetings
and action items



Creative
work



Analytical work



Planning their day



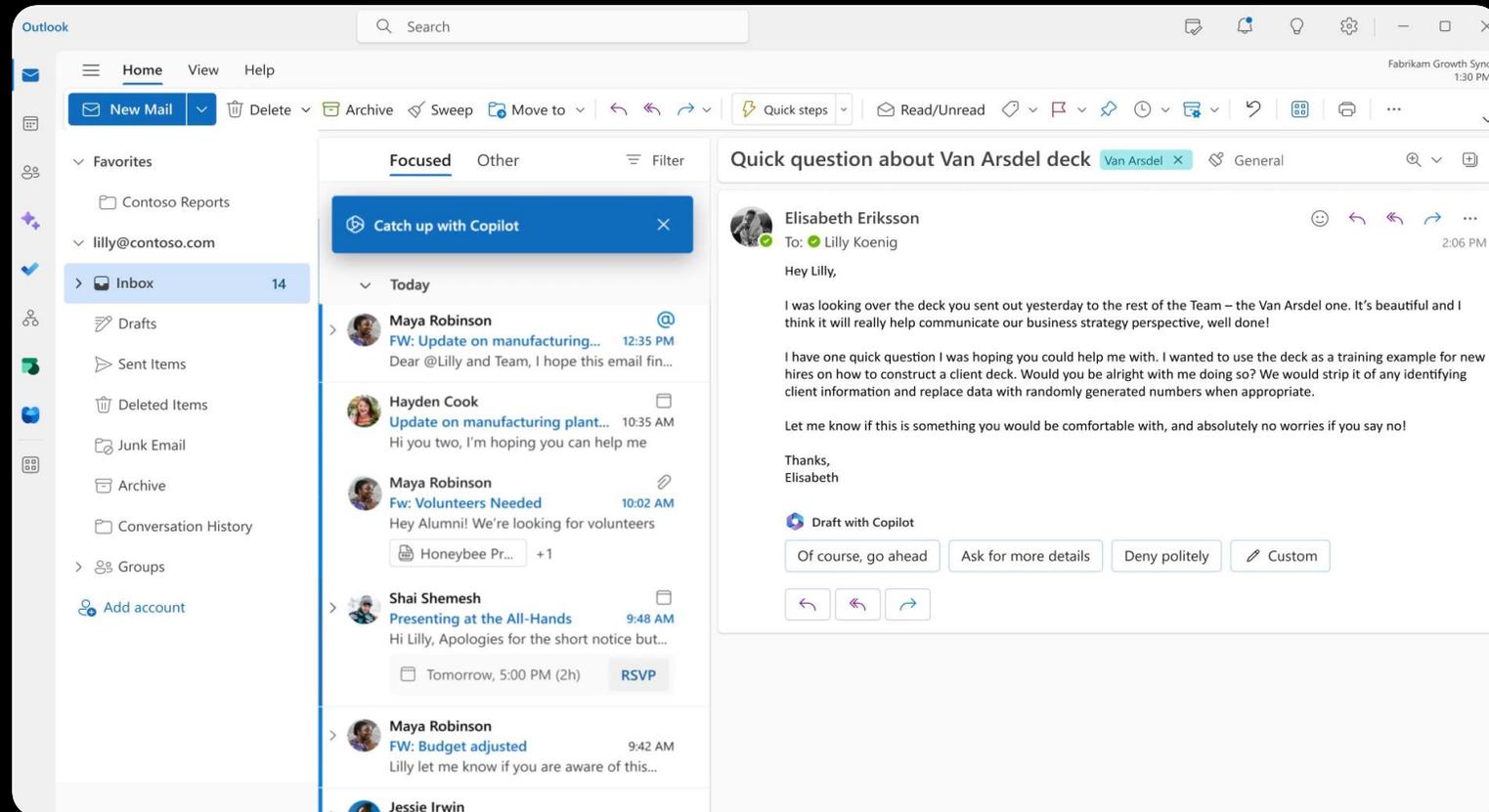
Admin tasks

Respond faster to your emails

Copilot works with you in cleaning your inbox and messages.

Some example prompts you can ask **Copilot**:

- Summarize the emails I missed while I was out. Flag important items.
- Draft a response thanking them and asking for more details; shorten this draft and make the tone professional.
- Invite everyone to a “lunch and learn” about new product launches next Thursday at noon

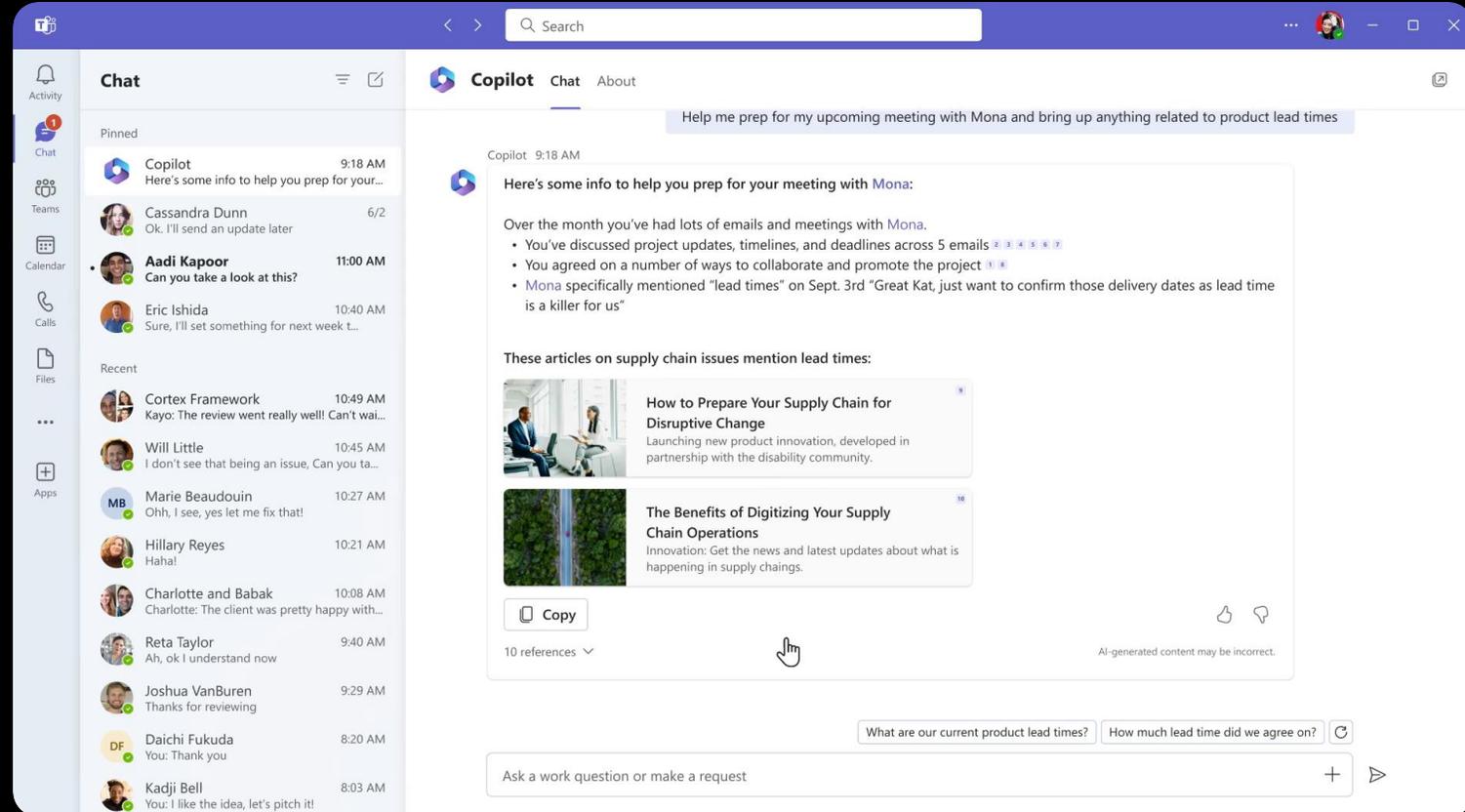


Finding info and answers, co-create

Copilot works alongside you, to bring together data from your documents, presentations, email, calendar, notes, & contacts.

Some example prompts you can ask **Copilot**:

- Summarize the chats, emails, and documents about [*customer*].
- What is the next milestone on [*project*]. Are there any risks?
- Write a planning overview in the style of [*file A*] that contains the timeline from [*file B*] and incorporates the project list in the email from [*person*].

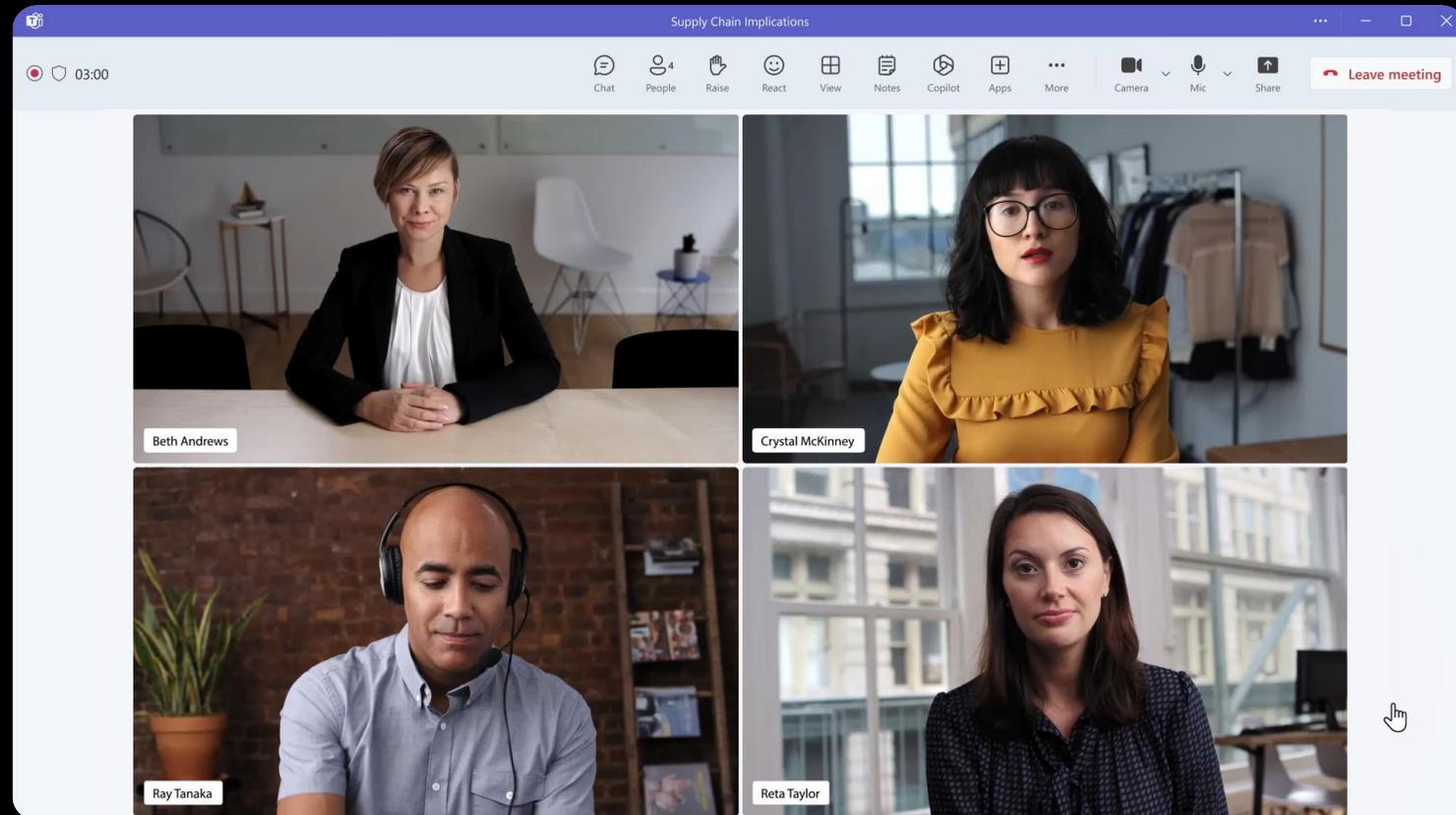


Summarizing meetings and action items

Copilot helps you run effective meetings, get up to speed, organize key discussion points, and summarize actions.

Some example prompts you can ask **Copilot**:

- Summarize what I've missed in the meeting.
- Create a table of pros and cons for [topic].
- What decisions were made, and what are some suggested next steps?



Build insights faster

The screenshot displays the Microsoft Power BI web interface. At the top, the browser address bar shows the URL: <https://msit.powerbi.com/groups/me/datasets/dfa4e2c5-55c7-48b7-9f7f-278504c6990a?experience=power-bi>. The interface includes a search bar, navigation tabs (Home, Create, Browse, Data hub, Metrics, Apps, Deployment pipelines, Learn, Monitoring hub, Workspaces, My workspace), and a top menu with options like 'Ask a question', 'Explore', 'Text box', 'Shapes', 'Buttons', 'Visual interactions', 'Refresh', 'Duplicate this page', and 'Save'.

In the center, a dialog box titled 'Create content with Copilot' (PREVIEW) is open. It contains the following text: 'Let's work together to create a report with meaningful insights. To get started, based on your data here are some suggested topics for your report. Select the one you're interested in or enter your own idea.' Below this text are four suggested topics in button format: 'Analyze trends in our employee hiring', 'Compare attrition rate across teams', 'Create a dashboard for key workforce metrics', and 'Summarize workforce KPIs by opera...'. At the bottom of the dialog is a text input field with the placeholder 'Ask a question or request, or type '/' for suggestions' and a send button.

On the right side of the interface, the 'Data' pane is visible, showing a search bar and a list of data sources: 'DAX', 'Measures', 'Buckets', 'Calendar', 'Employee Demographics', 'Employee to Operations', 'KPI Owners', 'Managers', 'Operations Team', and 'Projects'.

The bottom of the screen shows the Windows taskbar with the system tray displaying '47°F Rain' and the date '05/23/2023' at 10:50 AM.

What customer service professionals want from AI



Automated call routing



Customer inquiry processing



Assisted real-time support



Contactless customer service



Optimize data collection



Increase customer satisfaction

Microsoft Copilot for Service



Out of the box
integration



Accelerate onboarding
and case resolution



Automate agent
workflows



What developers want from AI



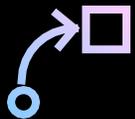
Guidance and suggestions



Coding with context



Autofill repetitive code



Convert comments to code



Code documentation



Automatic test generation

GitHub Copilot

46% | of new code is now written by AI

55% | faster overall developer productivity

75% | developers feel more focused on satisfying work

```
sentiment.ts  write_sql.go  parse_expenses.p

1 #!/usr/bin/env ts-node
2
3 import { fetch } from "fetch-h2";
4
5 // Determine whether the sentiment of text is positive
6 // Use a web service
7 async function isPositive(text: string): boolean {
8     const response = await fetch(`http://localhost:3000/api/sentiment`, {
9         method: "POST",
10        body: `text=${text}`,
11        headers: {
12            "Content-Type": "application/x-www-form-urlencoded",
13        },
14    });
15    const json = await response.json();
16    return json.label === "pos";
17 }
```

 Copilot

GitHub Copilot



Faster time to revenue



Improved operational efficiency



Higher talent retention

```
File Edit Selection ... < > product-api
JS app.js JS productService.js
JS app.js > ...
2 const app = express();
3 const productService = require('./services/productServices');
4
5 app.use(express.json());
6
7 // GET all products
8 app.get('/products', (req, res) => {
9   const products = productService.getProducts();
10  res.send(products);
11 });
12
13 // GET product by id
14 app.get('/products/:id', (req, res) => {
15   const product = productService.getProductById(req.params.id);
16   res.send(product);
17 });
18
19 // POST a new product
20 app.post('/products', (req, res) => {
21   const newProduct = req.body;
```

Ln 24, Col 4 Spaces: 2 UTF-8 LF {} JavaScript

Microsoft runs on Azure AI

Microsoft
Security Copilot

Bing Chat

Microsoft 365
Copilot

Power Platform
Copilot

Dynamics 365
Copilot

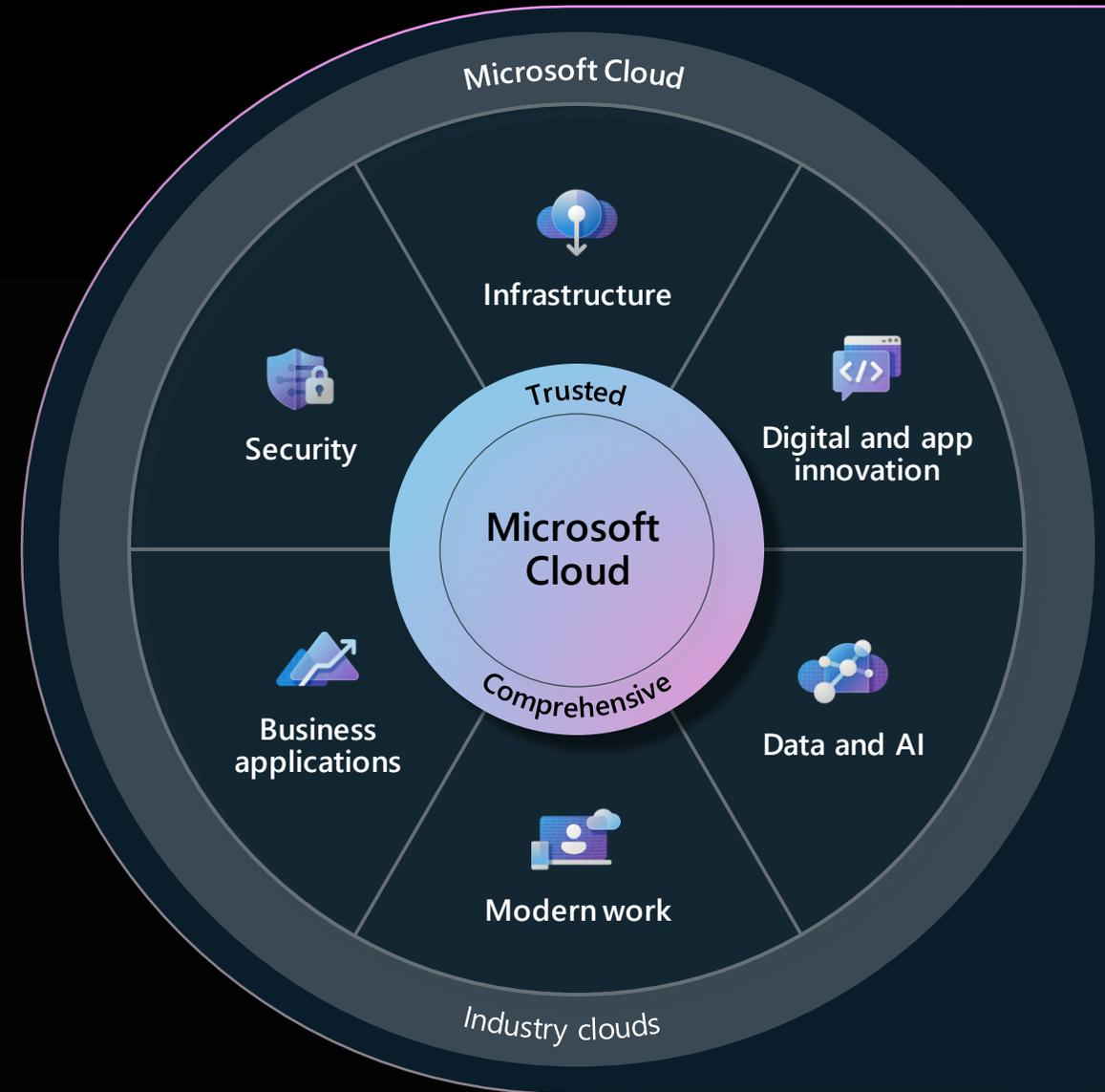
Windows
Copilot

Enabling AI transformation

Unlock productivity across your business with Microsoft Copilot

Build your AI capability with an open AI platform and partner ecosystem

Co-innovate with trust and safeguard your business



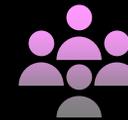
Build *your own* AI capability



Customize
Microsoft Copilot

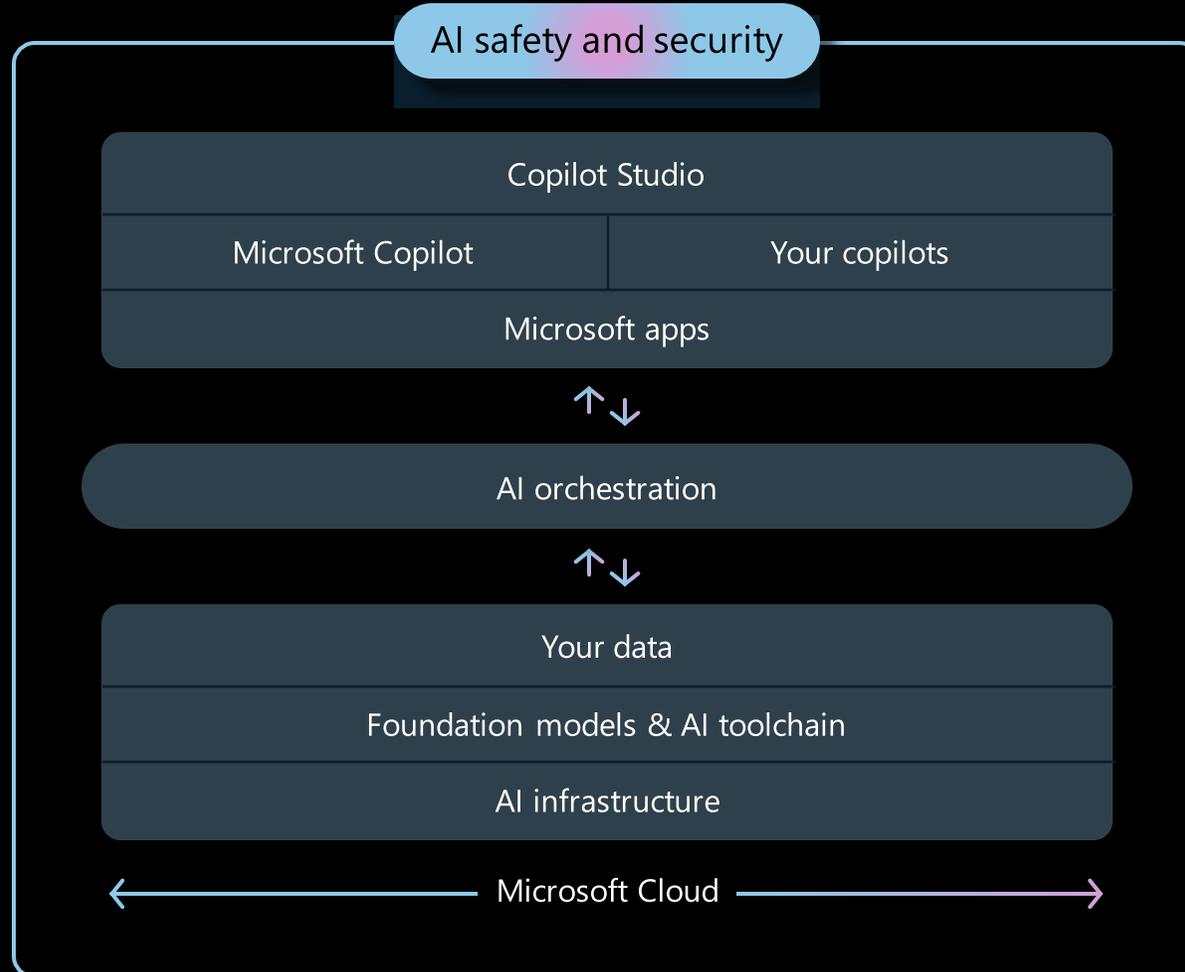


Build your own
copilots



Partner with
Microsoft partners

Copilot stack



Microsoft for Government

Empowering Government with technology to help solve society's biggest challenges



Deliver innovation in programs and experiences



Deliver innovative solutions that help make public interactions with government more accessible and inclusive



Empower the government workforce



Improve workforce engagement, streamline workflows and uncover actionable insights across government



Transform government operations and services



Realize resilient and sustainable operations



Secure government data and protect resources



Secure critical platforms, protect data and achieve compliance

Top Gen. AI Use Cases



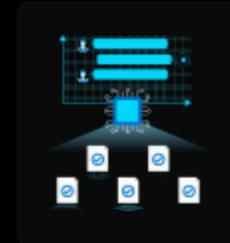
Content creation & design



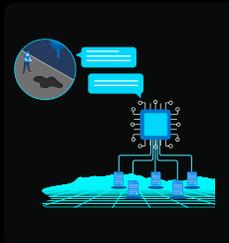
Personalized Content & Marketing



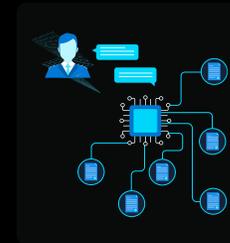
Predictive analytics & forecasting



Fraud Detection



Language translation & processing



Knowledge hubs & Chatbots



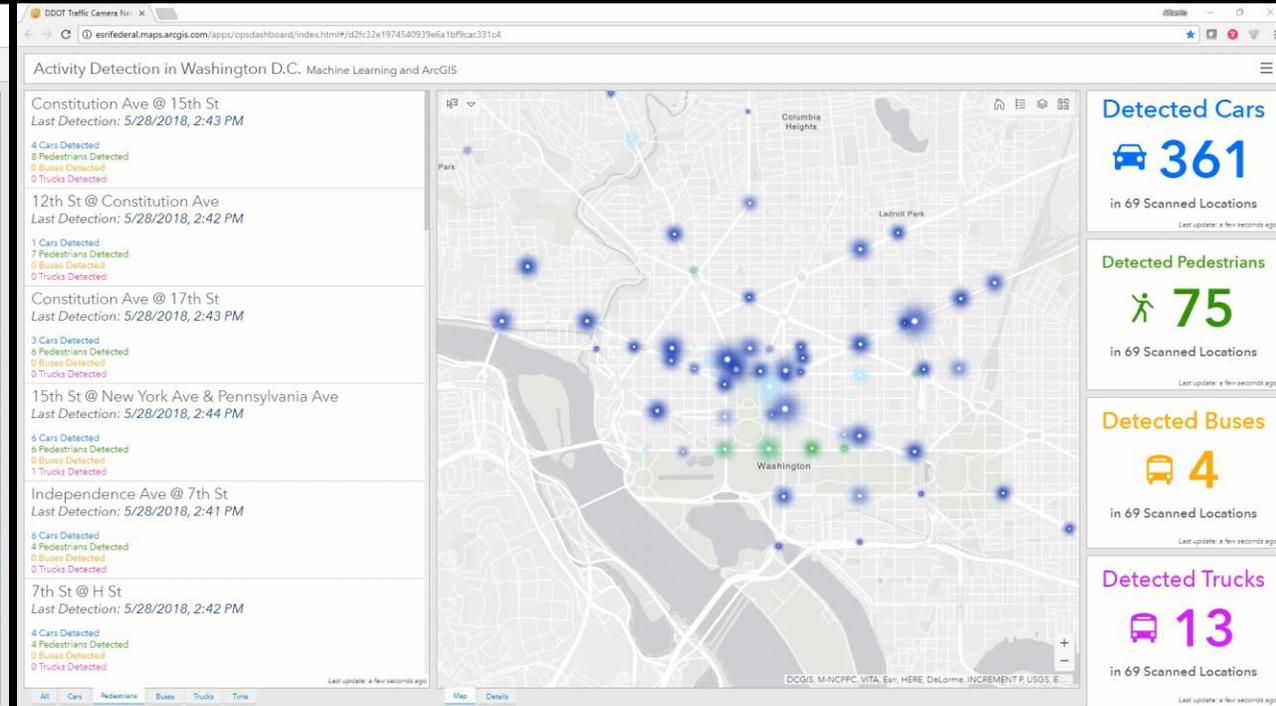
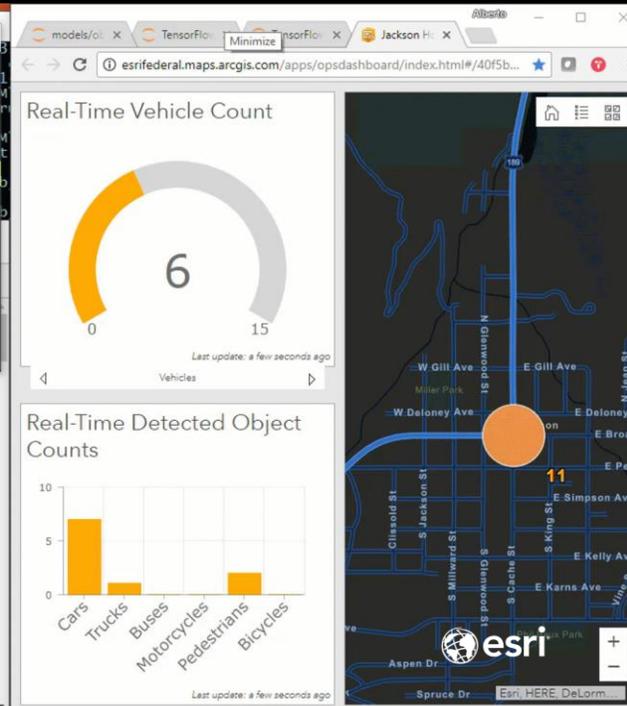
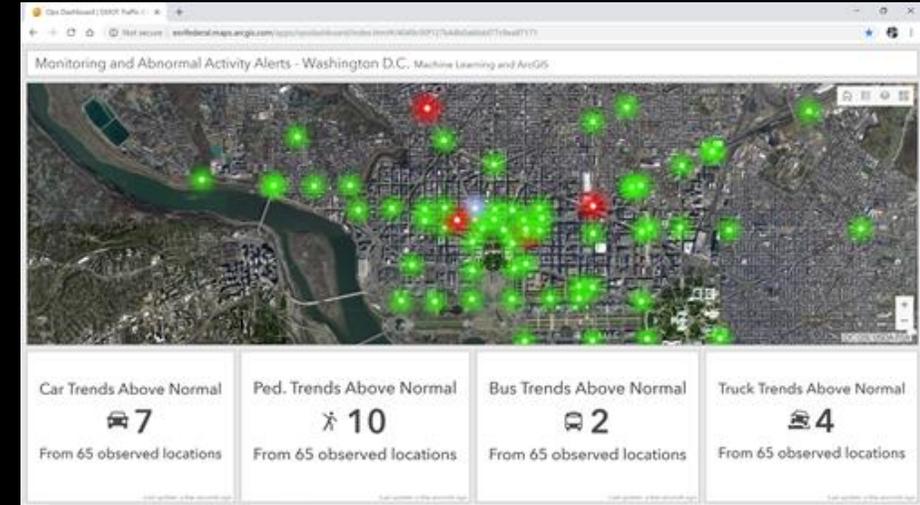
Simplify case management



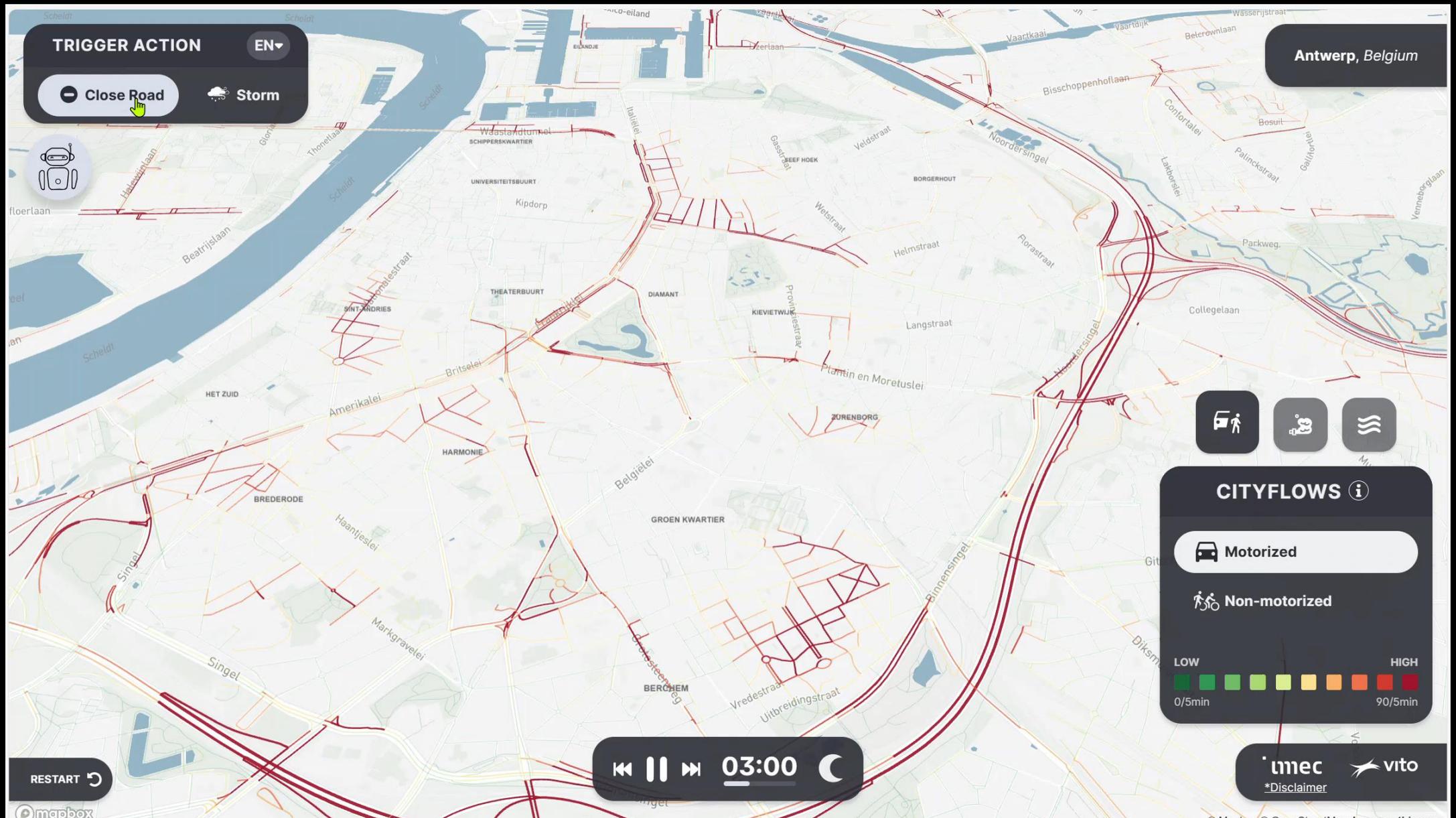
Migrate legacy apps

Traffic Analysis from Cameras

- Detect Vehicles by Type & Pedestrians City-wide
- Can Infer Accidents, Sudden Stops, Traffic Anomalies
- Understand Traffic Patterns, Deal with Incidents
- Quickly, Supports Event Planning
- Could be tailored to detect other features



Traffic and Air quality Simulations and Planning



Doctors are focusing on patients more than ever



Personalized Learning



Optimizing Operations



Finding information is becoming easier

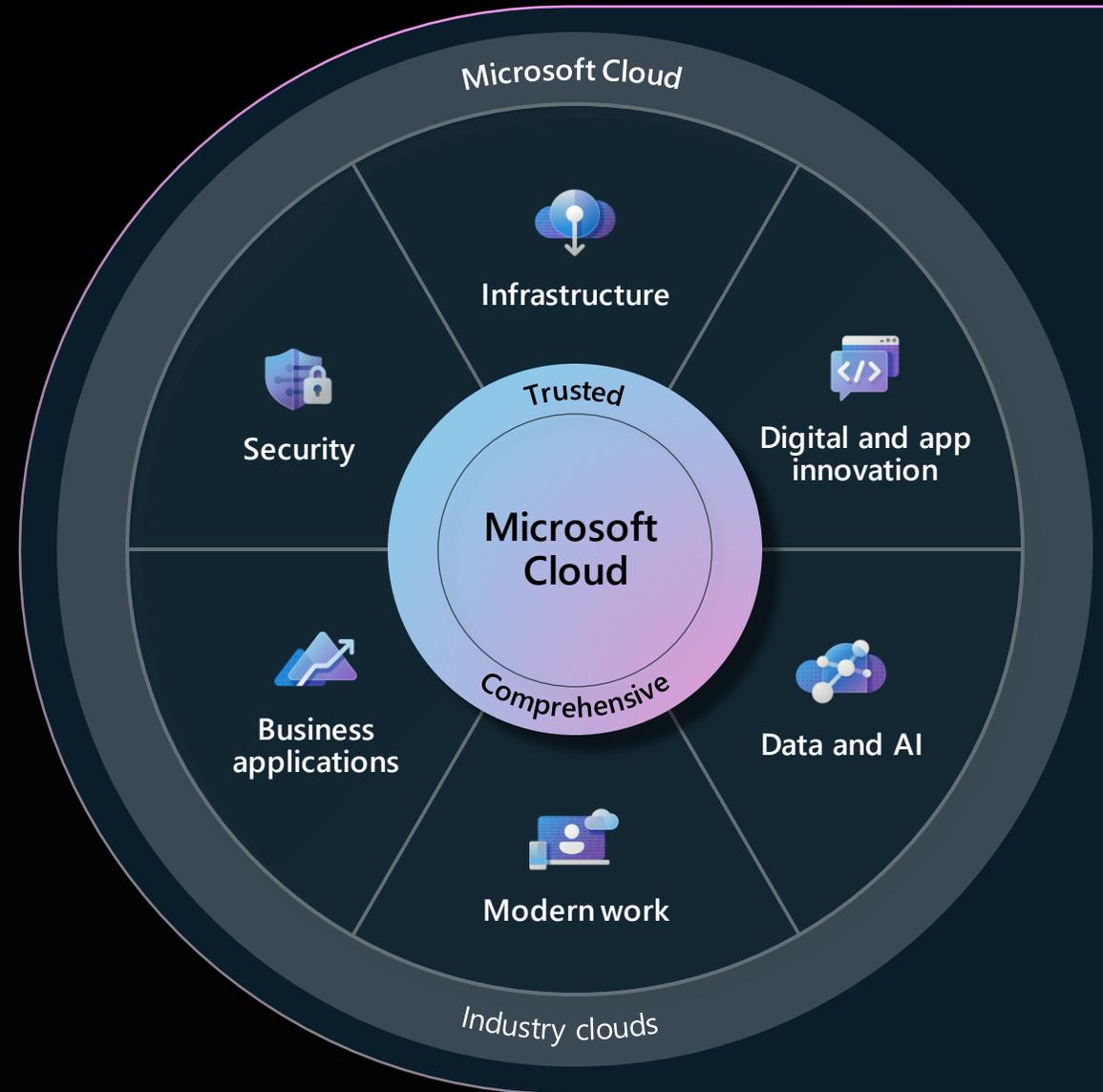


Enabling AI transformation

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Co-innovate with trust and safeguard your business



Microsoft's AI principles



Fairness



Reliability
& Safety



Privacy &
Security



Inclusiveness



Transparency



Accountability

Microsoft Cloud

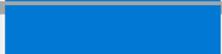
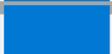
AI you can trust

Your data is your data

Your data is not used to train the OpenAI foundation models without permission

Your data is protected by the most comprehensive enterprise compliance and security controls

AI shared responsibility model

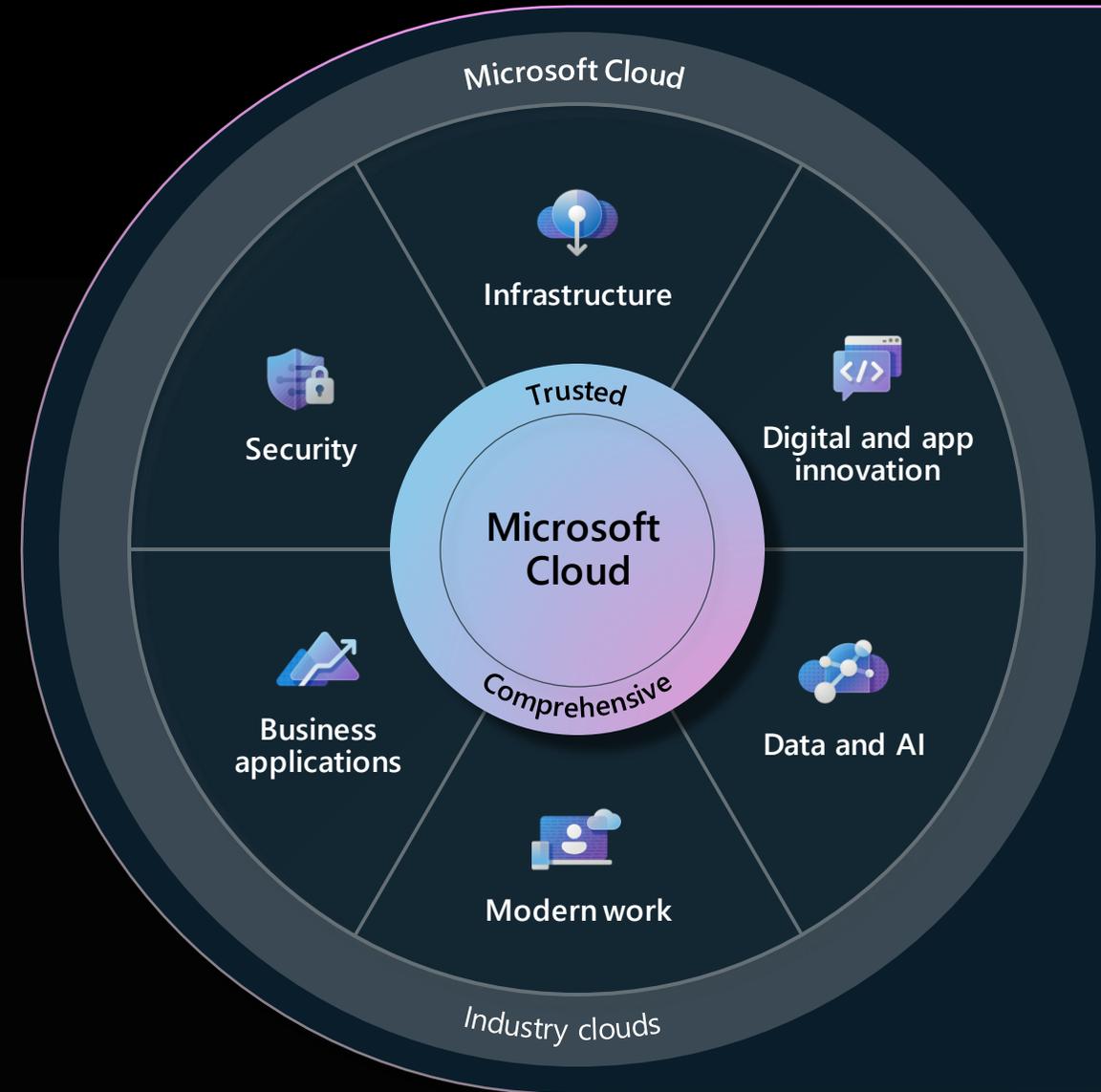
		IaaS (BYO model)	PaaS (Azure AI)	SaaS (Copilot)	
					
		Customer	Microsoft	Shared	Model dependent
AI usage	User training and accountability				
	Usage policy, admin controls				
	Identity, device, and access management			 	
	Data governance			 	
AI application	AI plugins and data connections			 	
	Application design and implementation				
	Application infrastructure				
	Application safety systems		 		
AI platform	Model safety and security systems		 		
	Model accountability		 		
	Model tuning		 		
	Model design and implementation		 		
	Model training data governance		 		
	AI compute infrastructure	 			

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Five core pillars of AI Readiness

Business
Strategy



Technology
Strategy



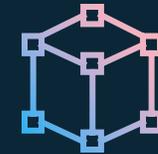
AI Strategy
Experience



Organization
& Culture



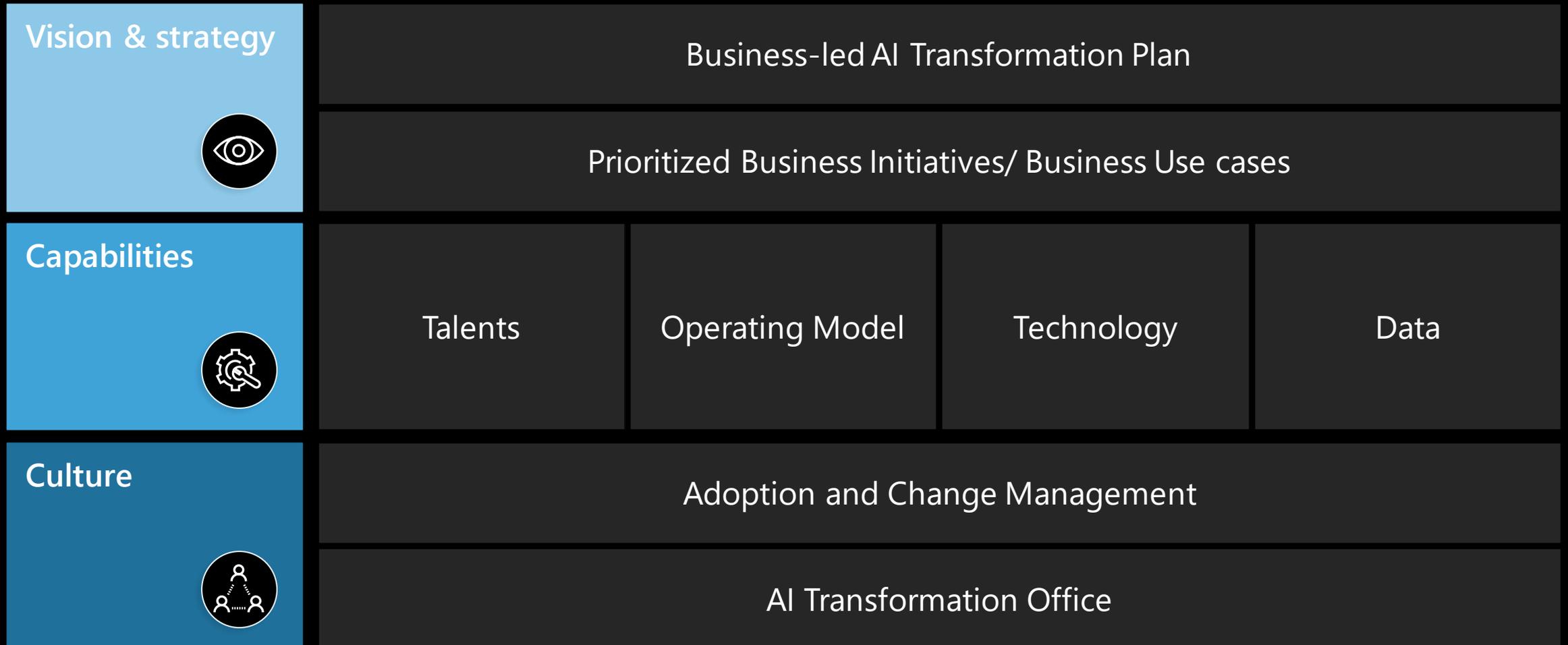
AI
Governance



<https://aka.ms/AI-Success-Whitepaper>

AI Transformation Pillars

What do we need to build, deliver, and scale AI across the organization



National AI Strategy Framework Pillars



National AI Strategy Implementation

This pillar combines critical steps for executing the National AI strategy, including enhancing AI infrastructure, workforce upskilling, stakeholder collaboration, and strategic roadmap development. It emphasizes ongoing monitoring and adapting the AI initiatives to ensure they remain effective and aligned with national goals.



Sectoral Transformation through AI

This pillar aims at the strategic integration of AI technologies across various sectors to revolutionize service delivery, operational efficiency, and sectoral outcomes.



Regulatory Framework and Governance

This pillar is dedicated to establishing a comprehensive regulatory framework and governance model that promotes responsible AI practices, and ensures data privacy and security.



Current AI Landscape

This pillar focuses on understanding and evaluating country-specific current AI capabilities and potential through a comprehensive AI Maturity Model and SWOT analysis.



Strategic Objectives Definition

This pillar emphasizes the importance of aligning strategic objectives for the government's AI initiatives with the overarching governmental vision, ensuring that each goal directly contributes to the broader national agenda.



Vision for AI

This pillar encapsulates the foundational elements of the leadership and the strategic utilization of AI to catalyze global competitiveness, economic growth and enhance social prosperity.



Kuwait National AI Strategy Framework

Empowering Kuwait through AI

Yasmine Rifai
May 2024

The opportunity is yours to
lead the AI transformation





Thank you

Contact:

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Blog: <https://melsatar.blog/>

LinkedIn: <https://www.linkedin.com/in/melsatar/>

[Government Solutions | Microsoft Industry](#)



Mohamed Sami El-Tahawy
Regional Industry Advisor
WW Government



Microsoft AI Services

Applications



Partner Solutions

Application Platform

AI Builder



Fabric



Power Apps



Power Automate



Copilot Studio

Scenario-Based Services

Applied AI Services



Bot Service



AI Search



Doc Intelligence



Video Indexer



Metrics Advisor



Immersive Reader

Customizable AI Models

Cognitive Services



Vision



Speech



Language



Decision



Azure OpenAI

ML Platform



Azure Databricks



Azure Synapse



Fabric



Azure M. Learning



Business Users



Developers & Data Scientists