

# NT KONF

25. – 27.  
SEPTEMBER  
2023  
PORTOROŽ

**NT  
KONF**  
NT KONFERENCA



25. – 27.  
SEPTEMBER  
2023  
PORTOROŽ

## **AI-enriched Low-Code Development**

Uroš Kastelic

Technology Specialist – Low-Code,  
Microsoft

# Microsoft Power Platform



**Power  
BI**

Business  
analytics



**Power  
Apps**

Application  
development



**Power  
Automate**

Workflow  
automation



**Power  
Virtual Agents**

Intelligent  
virtual agents



**Power  
Pages**

Website  
development

# Common underlying services

## Microsoft Power Platform



# ... and Low Code has a Copilot

## AI as a real-time collaborator



that generates  
content



that sparks  
creativity



that automates  
cognitive tasks



that creates user  
experiences

# Power Platform Copilot

since 2021

2021

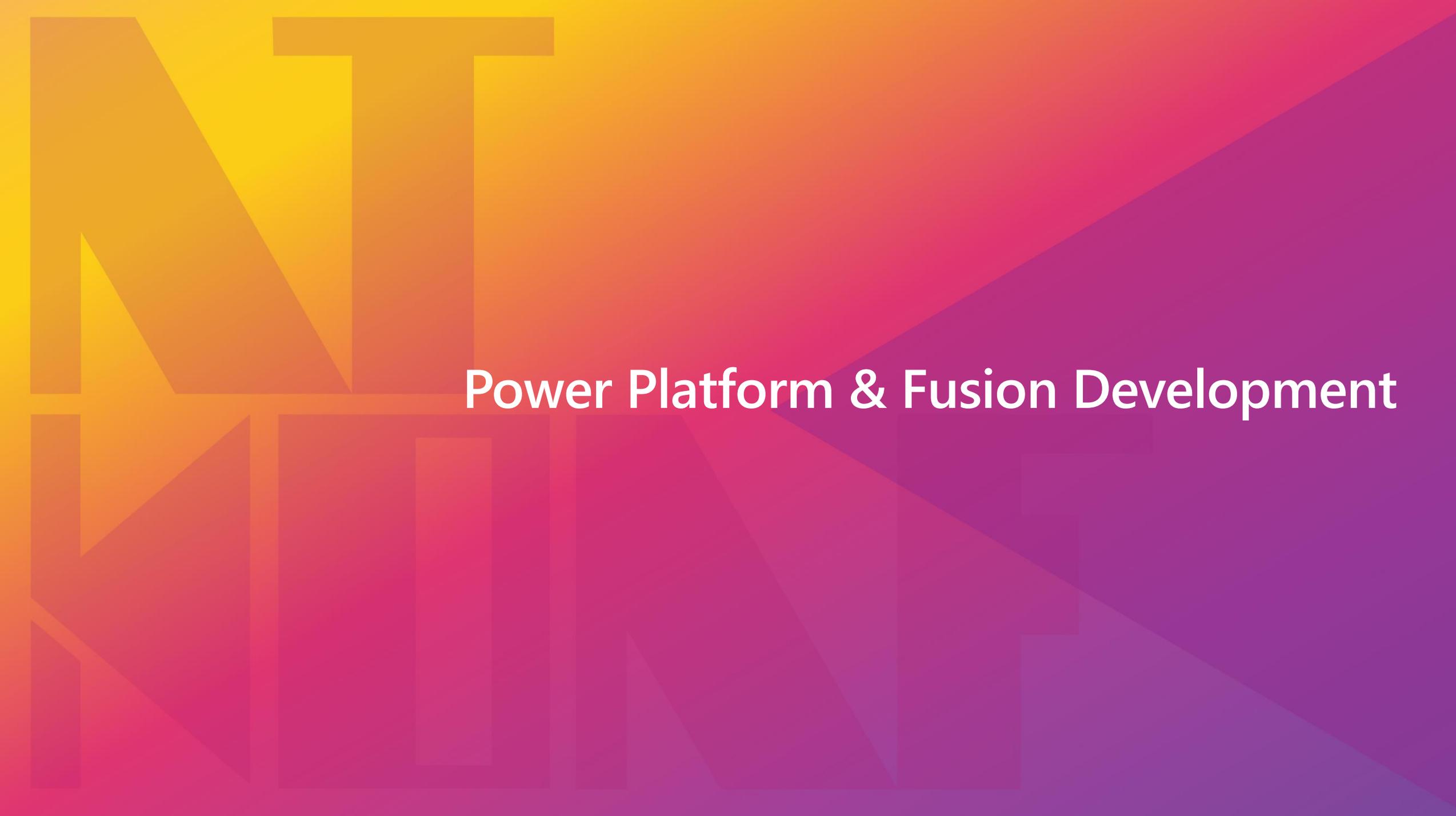
- Power Apps**  
Natural language to Power Fx formulas
- Power BI**  
Natural language to DAX Quick Create

2022

- Power Automate**  
Natural language to flow, format data by examples
- Power Apps**  
Image & Figma to app

2023

- Power Virtual Agents**  
Generative answers
- AI Builder**  
Azure OpenAI model with templates
- Power Virtual Agents**  
Natural language to bot (Copilot)
- Power Apps**  
Natural language to app (Copilot)  
PVA in Power Apps  
AI analytics
- Power Automate**  
Enhanced natural language to flow (Copilot)
- Power Pages**  
Natural language to webpage (Copilot)
- Power BI**  
Natural language to data insights (Copilot)
- Power Virtual Agents**  
Generative actions
- Power Apps**  
Excel Data import



# Power Platform & Fusion Development

# What is Fusion Development?



Fusion Development is a term coined by Gartner

- Digital “fusion teams” are distributed and multidisciplinary digital business teams that blend technology and other types of domain expertise >> Basically, union of IT Pros, Business Devs and Pro Devs is *Fusion Teams*
- Combining traditional full-stack development with modern low-code technology

[learn.microsoft.com/fusion-development](https://learn.microsoft.com/fusion-development)

# Fusion teams in action

## IT professional

Works with CIO and other leaders on governance, security and community



## Professional developer

Works with business users/makers to build and integrate advanced functionality



Scale through fusion teams

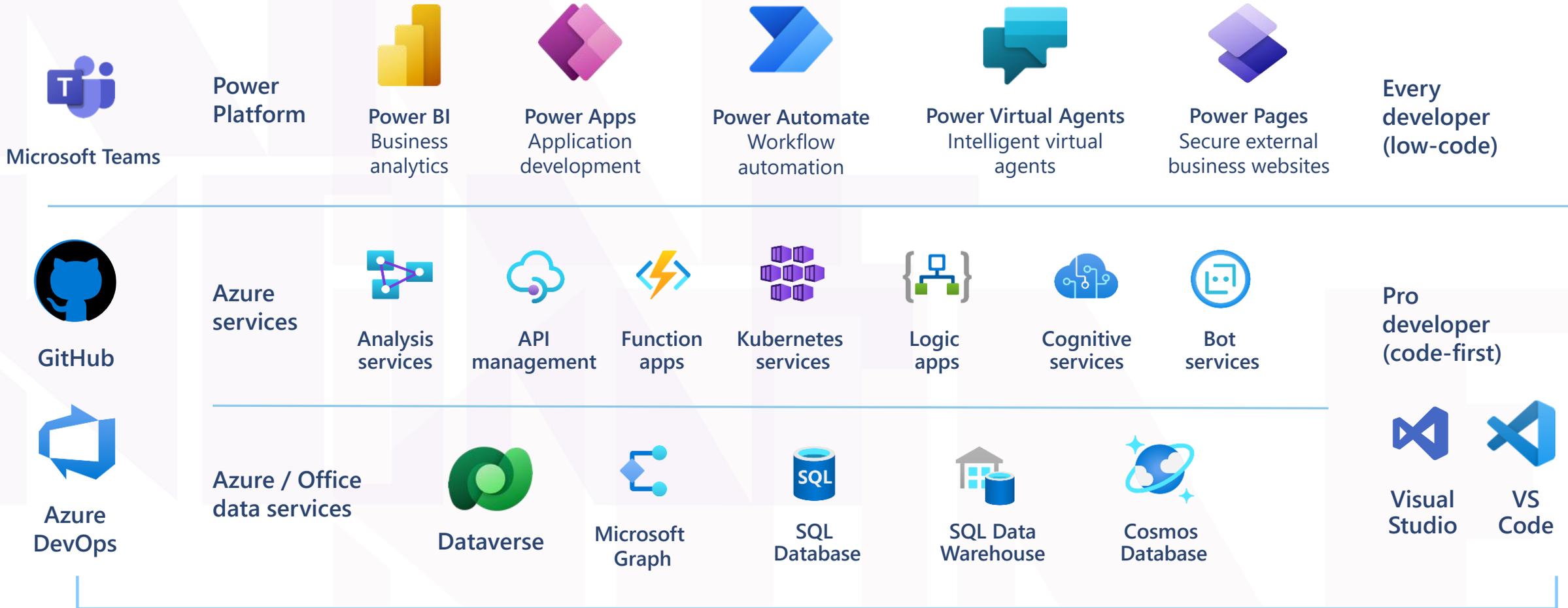
## Business Users/Makers

Plan, build, co-author and launch solutions

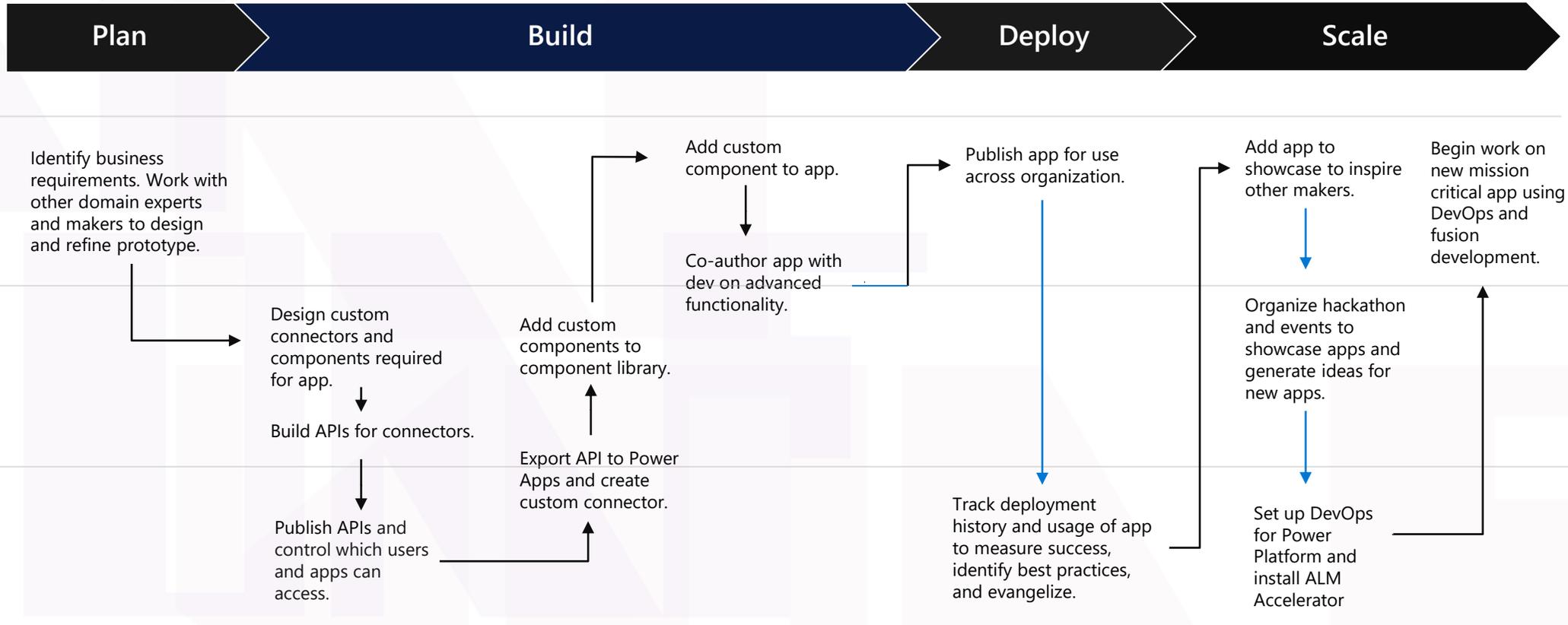


# Innovate faster than ever with Fusion Dev

## Azure + Power Platform + M365 = Fusion Development



# Roles & Responsibilities: Fusion teams in practice



## Supporting tools



Power Apps Studio

Power Apps Studio  
Visual Studio Code  
Azure API Service  
Azure API Management

Power Apps component framework  
Visual Studio Code  
Microsoft AppSource

Power Apps Studio

Power Platform admin center  
GitHub Actions for Power Platform  
ALM Accelerator for Power Platform

**No-Code Development or guidance?**

**Answer is...Bing Chat**

*I want you to act as a Power Apps expert. I want you to be my Power Apps educator. I'm using PowerApps. ...*



**Power Platform Copilots**

# Power Platform Copilots

- Power Apps
  - Dataverse – tables creation
  - PowerFx Ideas
- Power Automate
- Power Virtual Agents
- Power Pages
- AI Builder



# Power Platform Copilots

- Power Apps
  - Dataverse – tables creation
  - PowerFx Ideas
- Power Automate
- Power Virtual Agents
- Power Pages
- AI Builder



# Power Platform Copilots

- Power Apps
  - Dataverse – tables creation
  - PowerFx Ideas
- Power Automate
  - Process Mining
  - Power Virtual Agents
  - Power Pages
  - AI Builder



# Power Platform Copilots

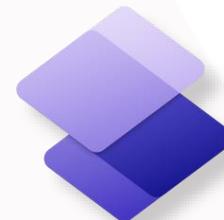
- Power Apps
  - Dataverse – tables creation
  - PowerFx Ideas
- Power Automate
- Power Virtual Agents
- Power Pages
- AI Builder



# Power Virtual Agents Copilot: Generative Actions

# Power Platform Copilots

- Power Apps
  - Dataverse – tables creation
  - PowerFx Ideas
- Power Automate
- Power Virtual Agents
- Power Pages
- AI Builder



# Power Platform Copilots

- Power Apps
  - Dataverse – tables creation
  - PowerFx Ideas
- Power Automate
- Power Virtual Agents
- Power Pages
- AI Builder



# Power Platform Copilots

- Power Apps
  - Dataverse – tables creation
  - PowerFx Ideas
- Power Automate
- Power Virtual Agents
- Power Pages
- AI Builder



# Integrations with Azure OpenAI

# AI Portfolio Overview

## E2E Business processes

Managed solutions that leverage AI Builder model customization and governance

*Ex: SharePoint Syntex leverages AI Builder Document Processing*

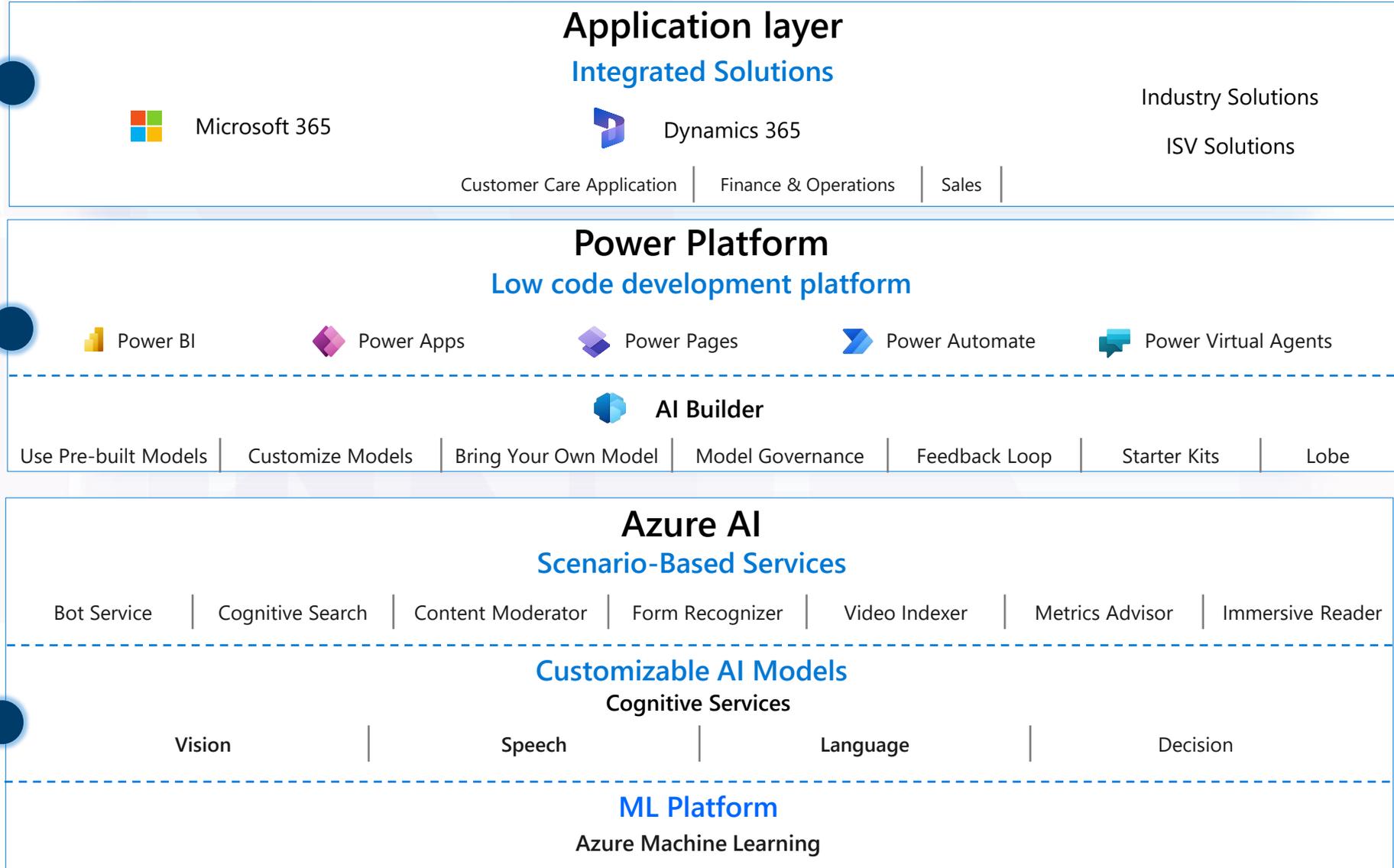
## No Code Maker Experience

AI abstraction layer that focuses on allowing makers to customize AI to solve business problems, leveraging Azure AI capabilities

*Ex: AI Builder Document Processing leverages Azure Form Recognizer for content extraction*

## AI Capabilities

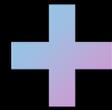
Core AI capabilities that empower maker experiences



# Microsoft and OpenAI partnership



*Ensure that artificial general intelligence (AGI) benefits humanity*



*Empower every person and organization on the planet to achieve more*

GPT-3.5 and GPT-4

Text

ChatGPT

Conversation

Codex

Code

DALL·E 2

Images

# Azure OpenAI

## Top Capabilities and Use Cases



### Content generation

**Intelligent Virtual Agent:**  
automatically generate responses to inquiries

**Customized Copilot:**  
Augment decision steps in business processes

Generate engaging web content



### Summarization

**Subject matter expert document:**  
summarization (e.g. compliance and training documents)

Social media trends summarization



### Code generation

Convert natural language to SQL (or vice versa) for telemetry data

Code documentation



### Semantic search

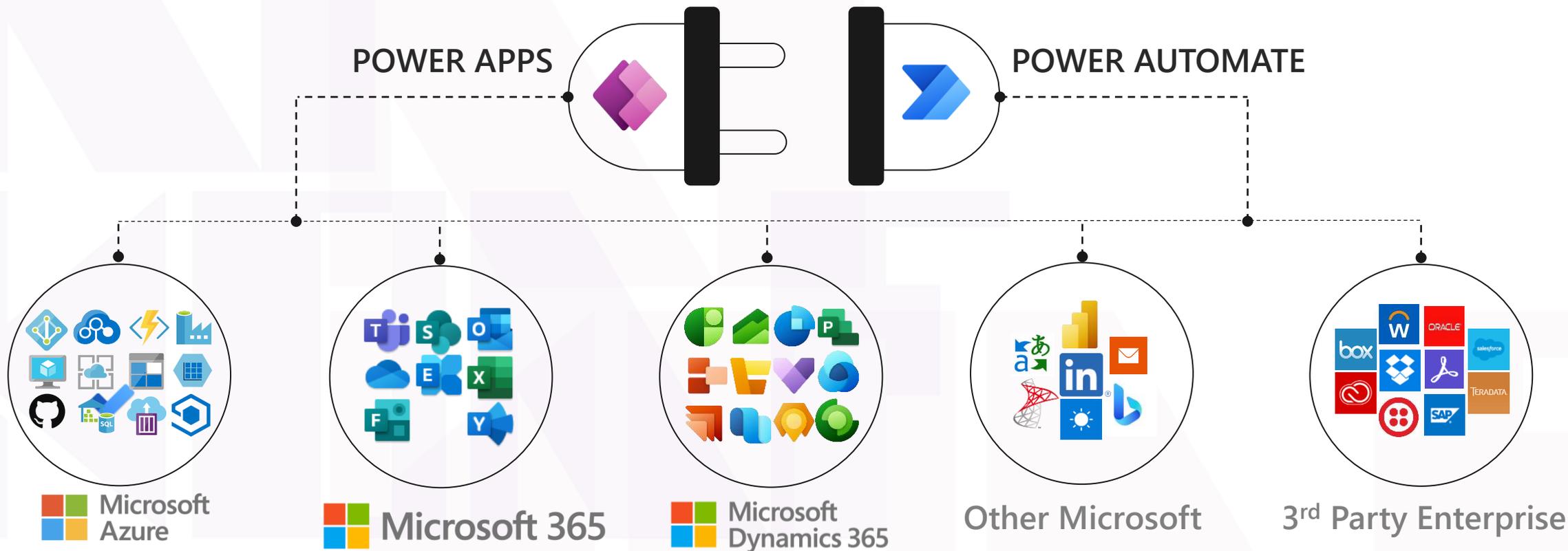
**Knowledge Exploration:**  
Search reviews for a specific product/service

Information discovery and knowledge mining

**Customer 360:** hyper-personalisation using timely summarization of customer queries & trends, search, and content generation

**Business process automation:** search through structured & unstructured documentation, generate code to query data models, content generation

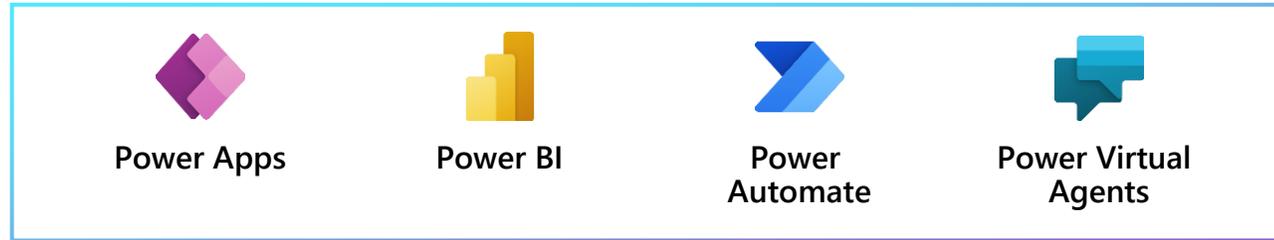
# Power Platform - Connects to all your data 1000+ Connectors + Custom



Power Platform supports a rich ecosystem of connectors across Microsoft and non-Microsoft cloud and on-prem services

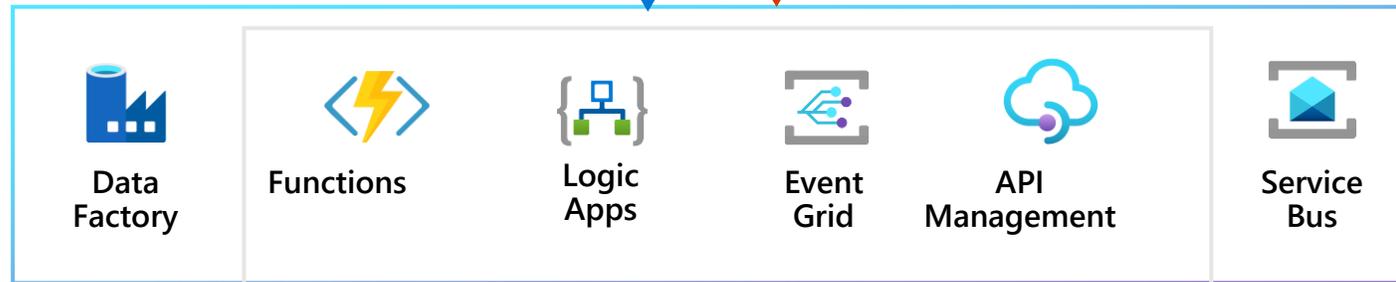
# Integration Services are a gateway to Azure

All Developers



APIs

Events



Traditional Developers



# Azure OpenAI Service connector

[PowerPlatformConnectors/custom-connectors/AzureOpenAIService at dev · microsoft/PowerPlatformConnectors \(github.com\)](https://github.com/microsoft/PowerPlatformConnectors/tree/dev/custom-connectors/AzureOpenAIService)

Or create your own custom connector...

# {Demo} Integration with Azure OpenAI

The background is black with several overlapping purple geometric shapes, including triangles and rectangles, on the left side. A large, solid brown circle is positioned on the right side of the slide.

Thank you!

Q&A?

# Survey...



25. – 27.  
SEPTEMBER  
2023  
PORTOROŽ

*This is not school, but we  
love to get grades.  
Please fill out our  
questionnaires and leave  
us your feedback.  
You may even win some  
cool rewards.*

**NT  
KONF**  
**NT KONFERENCA**

25. – 27.  
SEPTEMBER  
2023  
PORTOROŽ