

#CodingPitch
presents:

Microsoft Foundry in pratica: *progettare applicazioni ed agenti AI nell'ecosistema Microsoft*

Guest Speaker
Massimo Bonanni





Scifoni
Ivano



Fabio
Mannis



Francesco
Del Re



Matteo
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Valerio
Benedetti



Fabrizio
Morando



Alessandro
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Meet Laura

Microsoft Foundry in pratica

Laura is the CTO of manufacturing company called Ferrotech s.p.a.

It's Monday morning. Laura walks into the weekly dev meeting with one slide:

"We're building an AI assistant for our field technicians. It needs to diagnose machine faults, consult our technical manuals, open support tickets, and suggest fixes from past interventions."

The room goes quiet.



The real questions

Microsoft Foundry in pratica



Which model do I choose?



How do I connect our internal data?



How do I build an agent that takes actions?



How do I monitor for hallucinations?



How does IT manage access & security?

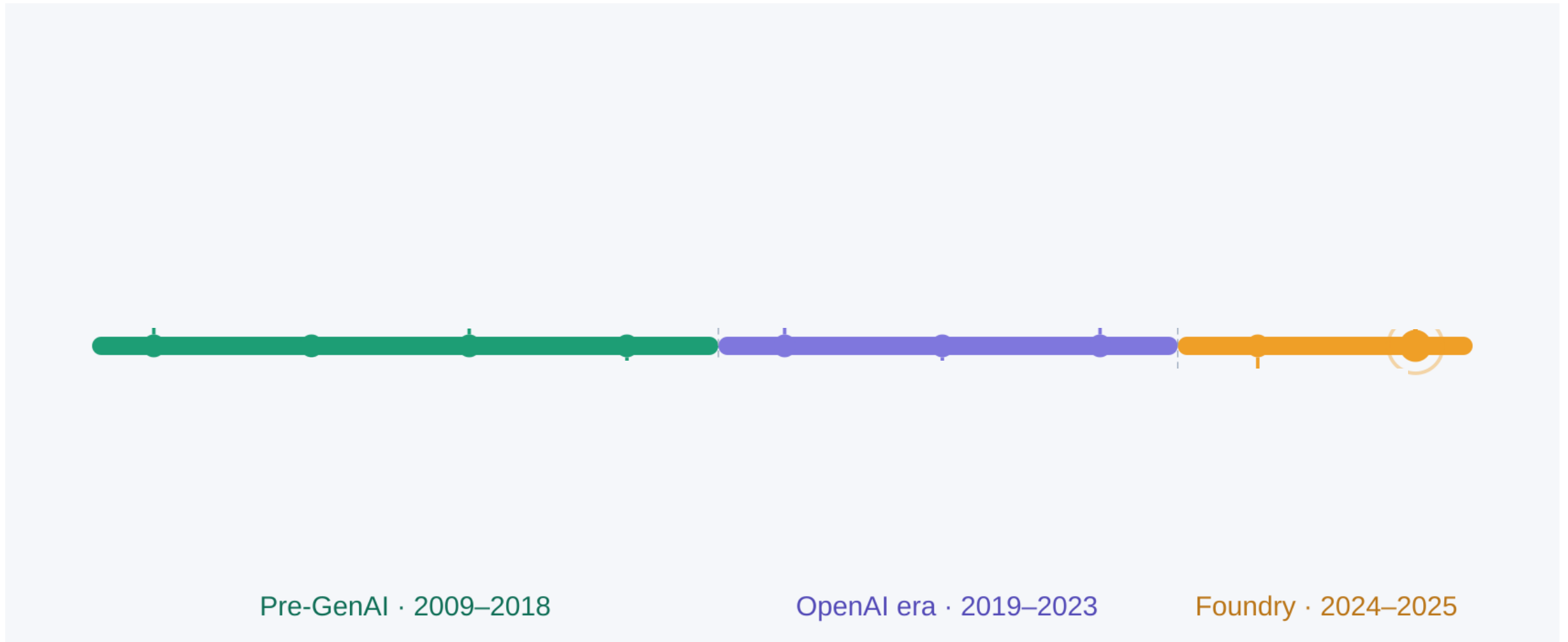


Who manages the infrastructure?



AI in Azure — A Decade of Evolution

Microsoft Foundry in pratica



Foundry as a Michelin - Star Kitchen

Microsoft Foundry in pratica



Foundry Portal

The dining room
Where you see everything



Foundry Models

The pantry
1,800+ model ingredients



Foundry Agent Service

The chef
Combines tools & models



Foundry IQ

The sommelier
Knows your company's data



Foundry Tools

Equipment
Speech, Vision,
Language



Foundry Control Plane

The restaurant manager
Access, policies, monitoring, tracing,
evaluations



Projects

The kitchen stations
Each team has its own



You don't buy one ingredient. You rent a complete, fully-staffed restaurant.

Foundry Models — Choose the Right Model

Microsoft Foundry in pratica



Laura's challenge: Which model should we use? Where do we find them? How do we compare and deploy them?



Explore

1,800+ models:
OpenAI,
Meta Llama, Mistral,
Cohere, Microsoft & more



Compare

Side-by-side benchmarks:
quality, latency,
cost per token,
multimodal capabilities



Deploy

One-click deployment
from portal or SDK.
Infrastructure fully
managed by Azure.



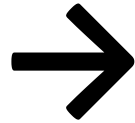
Fine-tune

Supervised fine-tuning
on your own data.
No GPU management.
Direct from portal.

 *Laura's challenge: The assistant must answer using thousands of internal PDF manuals, service history, and technical FAQs.*

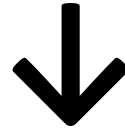
Data Sources

PDFs, SharePoint
Azure Blob, Web
Structured DBs



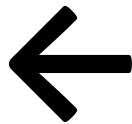
IQ Ingestion

Chunking
Embedding
Indexing



Agent Response

Answer +
Source citations



Knowledge Store

Vector search
Semantic retrieval





Laura's challenge: Is it working well? Is it safe? Who has access to what? How much is it costing?

ACTIVE USERS

TRANSACTIONS



Observability & Tracing

Every agent call traced end-to-end

Tokens, latency, tools called

Source citations logged

Structured, queryable telemetry



Automatic Evaluations

Groundedness — is it factual?

Relevance — is it on topic?

Safety — any policy violations?

Custom metrics for your business



Enterprise Governance

Unified RBAC across all assets

Azure Policy integration

Private endpoints & VNet support

Content Safety filters built-in

FOUNDRY PORTAL (ai.azure.com)

FOUNDRY MODELS

1,800+ models
GPT-4o · Llama 4
Fine-tuning
Deployment

FOUNDRY AGENT SVC

Agents
Multi-agent flows
1,400+ tools
Publishing

FOUNDRY IQ

RAG enterprise
Docs, SP, Web
Citations
Grounding

FOUNDRY TOOLS

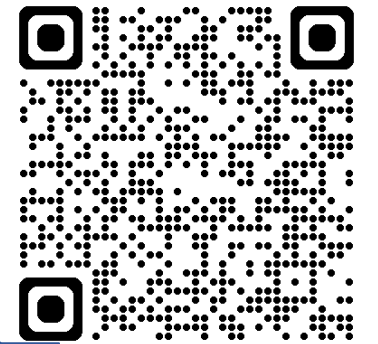
Speech
Vision
Language
Content Understanding

FOUNDRY CONTROL PLANE — Tracing · Evaluations · RBAC · Policies · Billing

One SDK: azure-ai-projects Python · C# · JavaScript · Java (preview)

DEMO

Walking into the Foundry Portal





Field Technician Assistant

Manufacturing

- Foundry Models for complex fault reasoning
- Foundry IQ on 10K+ PDF manuals
- Agent opens tickets via ServiceNow tool
- -28% mean time to resolution



Customer Service Bot

Retail / E-commerce

- GPT-4o for natural language understanding
- Foundry IQ on FAQ, return policies, catalog
- Agent handles refunds via ERP integration
- Control Plane monitors CSAT & GDPR compliance



Legal Document Assistant

Finance / Insurance

- Fine-tuned model on legal language
- Foundry IQ on contract repository (Blob Storage)
- Zero-tolerance hallucination via Evaluations
- Granular RBAC — legal team only



HR Onboarding Agent

Any Industry

- Foundry IQ on policies, org charts, manuals
- Step-by-step agent guide for new hires
- Published natively to Microsoft 365 Copilot
- Evaluation metrics track onboarding completion

Key Takeaways

Microsoft Foundry in pratica



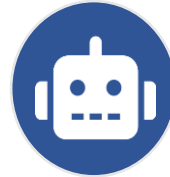
***It knows the same
things we know.
But it finds them in
a second.***



Foundry unifies models, agents, knowledge & governance in one platform



Foundry IQ removes the complexity of building RAG from scratch



Agent Service + tools means rapid production-ready development



Control Plane makes enterprise AI governance a first-class citizen



Platform is free — pay only for what you consume

Start at ai.azure.com →



Thanks for your attention!!!



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aka.ms/maxlinkedin