Stratox

Embedded AI:
From pilot to production

How to bridge the gap between experiment and real business value

95%

of companies fail in AI deployment.

Why AI projects fail?

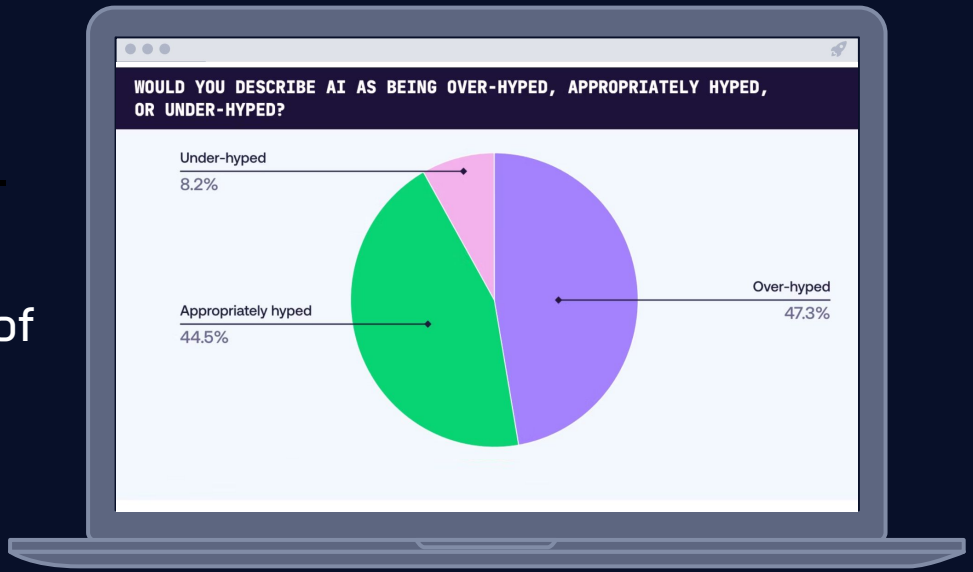
According to **MIT research, 95% of companies fail** to transition from pilot projects to full operation.
The problem is not in the technology itself.

- AI is not connected with processes, data, and business.
- AI lives in the back-office, not in core processes.
- There is a lack of integration with enterprise systems, and chaos in responsibilities – who owns the model, data, and operation?

Source:

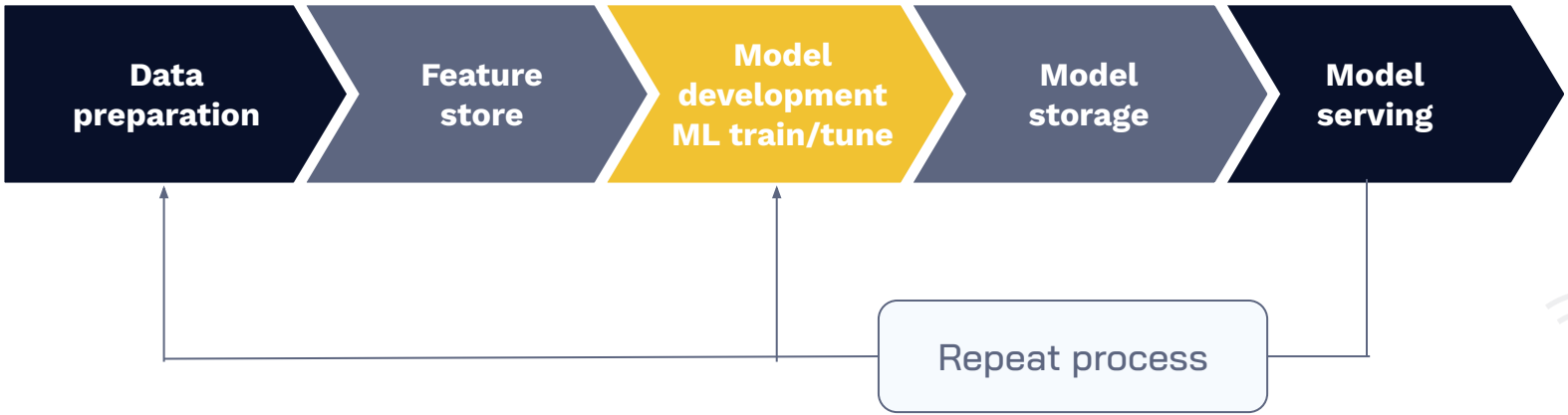
Platform Engineering Report 2025

According to this Report, 89% of companies use AI daily but without ROI, and only 8.2% of companies consider AI "underhyped."

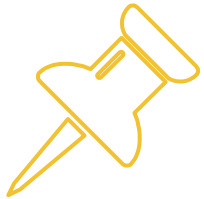


AI and ML today run mainly on cloud-native infrastructure, so they can be easily scaled and quickly changed.

Modern AI is not a single model, but a pipeline: data → training → deployment → monitoring.



The typical,ML pipeline is comprised of:

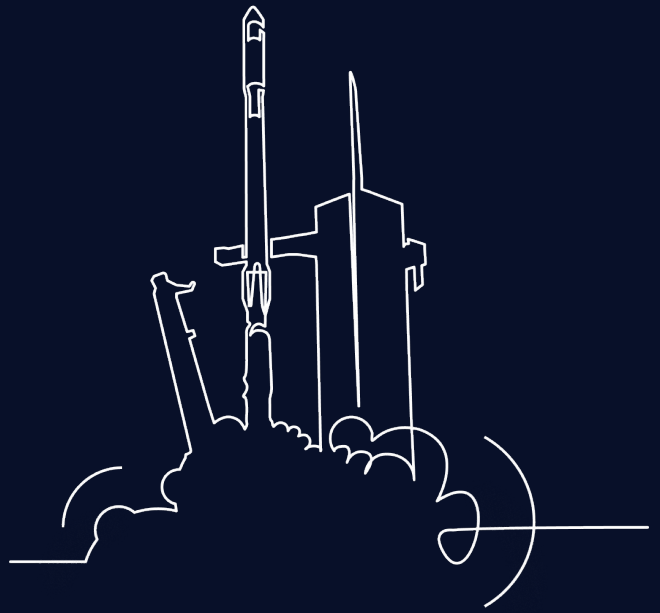


- Data Preparation (collection, cleaning/pre-processing, feature engineering)
- Model Training (model selection, architecture, hyperparameter tuning)
- CI/CD, Model Registry (storage)
- Model Serving
- Observability (usage load, model drift, security)

Source: Cloud Nartive AI Whitepaper

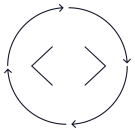
AI Maturity Framework

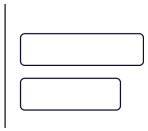
Find out where your company is on the journey to embedded AI – from isolated experiments to fully integrated business intelligence

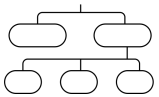


Stratox

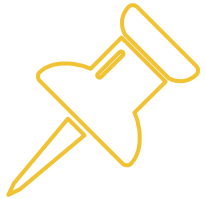
AI Maturity X Org/Tech Maturity







AI level	Culture Governance	DevOps Release mng	Business-IT Alignment	Architecture Microservices/DDD
0: AI Curious	Trend tracking, no governance	Chaos, no CI/CD	IT = separate silo	Legacy monolit/Microservices
1: AI Experiments	Individuals test AI sideways	Local scripts, ad hoc deploy	Business doesn't know that something is going on	ad-hoc integrations
2: AI Automation	Small teams, partial support	CI/CD in its infancy, without MLOps	Business informed but not involved	Legacy + integration middleware
3: AI Divide	Typical failure point – culture is not ready, DevOps will not keep AI in production, IT and business do not meet, architecture is too rigid			
4: AI Assistants @ Work	Governance framework, AI champion	CI/CD in its infancy, without MLOps	Business defines use cases	Modularization, API-first
5: Intelligent Business Logic	AI part of strategy, responsibility on the board	Continuous change, AIOps	IT and business = one	DDD, autonomous systems



AI Maturity CHECKLIST

Culture and governance

Clear responsibilities and processes for AI projects

DevOps a infrastrukture

ICloud-native architecture ready for AI

Business alignment

Connecting AI with core processes and measurable value.

Start the test

- company often thinks it "has AI," but it doesn't have an environment ready for AI to even survive and bring value.

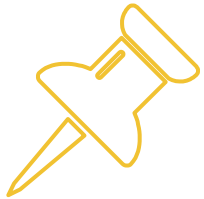
Build Foundations Before Intelligence

MIT Research
95% of companies fail when transitioning to production – AI lives in the back-office, not in core processes

CNCF White Paper
AI must be cloud-native – modularity, API-first, microservices as the foundation

Platform Engineering 2025
89% use AI daily, but without ROI – foundations are missing.

What you will gain at our workshop:



- You will understand where your company is on the AI maturity map.
- You will find out what prevents you from getting AI into operation.
- You will learn how to practically transform it into business value.

So that AI is not just a toy, but a part of your business logic.

Thanks!

Any questions?

You can find me at

petr.svoboda@stratox.cz