The Al Factory Behind Tomorrow's Software EU-LISA. Warsaw. 2025

On a per-engineer basis, Deloitte estimates cost savings of \$0.5M to \$1.1M by 2028. GenAI accelerated product time to market by 5%, improved PM productivity by 40%, and event uplifted employee experience.

McKinsey

Deloitte

Х

The use of GenAl in India's \$254B IT industry is projected to enhance productivity by 43-45% over the next five years.

EY

What is a **Software** Factory?

- An industrialized approach to software delivery
 - Applies principles from manufacturing such as standardization, automation, and repeatability
- Composed of reusable components and toolchains
 - Modular architectures, CI/CD pipelines, and infrastructure-as-code
- Highly automated and policy driven
- Cross-functional and scaled for government enterprise needs
 - Integrate product, engineering, DevOps, QA, and security into a unified delivery platform
- Outcome oriented with continuous feedback loops

What is an AI Factory?

- It's a term coined by NVIDIA CEO, Jensen Huang, to articulate that the modern data center will now generate artificial intelligence
- Key areas of the AI Factory
 - Ingests and processes large volumes of data, often from a data lake
 - Trains, imports, tunes, and validates AI models
 - Serves models in production (inferencing) via API endpoints
 - Monitors the performance of the AI Factory at scale
 - Enables cross-functional access to product teams, operations, and customer-facing functions

The Top 5 Benefits of AI for Software Factories

- Massive productivity gains
 - McKinsey forecasts 30-56% productivity boosts for developers
- Significant cost reduction
 - Deloitte estimates AI-enabled SW engineering can reduce total SW investment by 20-40% by 2028
- Faster time-to-market and higher innovation throughput
 - AI empowers rapid prototyping and faster feature releases
- Automation of routine tasks across DevOps
 - AI for code generation, testing, deployment scripting, and ideation
- Transform product development and customer alignment
- × Improve product roadmaps, UI/UX flows, code reviews, bug detection

This sounds amazing.

But what are the challenges?

The Enterprise AI Factory

Functional View



Simplifying Al Factory Operations with Nutanix.

The Value of Empowering IT

Slash salary expenses by 50%+

AI/ML Engineer = \$300K+/year

IT Engineers = \$150K/year



Servers (CPU, GPU)

Empowering IT

Functional View with Nutanix Enterprise Al



The Enterprise Al Factory

Functional View with Nutanix Enterprise AI



The Nutanix Enterprise Al Factory

Your AI Factory in Production



Simply

Deploy, Secure, Manage & Upgrade Enterprise-Ready Cloud Native Stack at Scale



Few agencies have in place the foundational building blocks that enable AI to generate value at scale with the security and sovereignty required by the Government Enterprise.

Accelerating Outcomes

No matter where you are on your Al journey

Getting Started?

Let's deploy a sovereign AI copilot for your software developers.



On the Journey?

Let's build an Enterprise Al Factory or enhance your existing factory

NUTANIX

Thank You