# DEEPLOY

## The responsible AI platform

**Deeploy x VivaTech**

June 2023

DEEPLOY

AI is the biggest revolution of our time, changing every industry

**Deeploy** plays a crucial role, enabling **safe, transparent and compliant** use of AI

**The time is now**: AI is adopted quickly, while new AI regulations are being enforced



TECH · A.I.
**ChatGPT must be regulated and A.I. 'can be used by bad actors,' warns OpenAI's CTO**

**EU's Artificial Intelligence Act will lead the world on regulating AI**

The European Union is set to create the world's first broad standards for regulating or banning certain uses of artificial intelligence in 2023

**EU's AI Act Agreement Expected by March, CES Speaker Reveals**

Leading parliamentary negotiator says lawmakers "striving to wrap up" negotiations

Ben Wodecki 6th January 2023

**80%**
say difficulty managing risk and ensuring compliance is a barrier to AI adoption for their enterprise

# Our mission & vision

**Mission** | The #1 platform to deploy, control & explain AI

**Current state** | AI is the biggest innovation of our time. AI is outsmarting humans (e.g. chatgpt), and rapidly changing the way we live and work.

**Problem** | AI makes mistakes and is not transparent about the why, causing serious problems for companies and governments. A growing problem, with more and more complex models being used.

**Time is now** | societal pressure and new regulation (EU AI Act) leads to hard requirements: AI has to be explainable, effectively controlled and compliant. 80% of the organizations struggle to bridge that gap.

**Solution** | Deeploy makes it easy to deploy, understand and keep control of every AI model, bridging the gap between regulators and data teams.

# The real pain | deploying high risk AI safely, transparent & compliant

**Data teams**
*Working on AI models,*

**Stakeholders**
*IT, risk & compliance, regulators, DPOs, managers, customers*

**Design**
*Scope, definition, UX
(the creative part)*

**Develop**
*Experiment, train, test,
validate, optimize*

**Experiment**
*Train, model, validate
(the fun part)*

**Build**
*Heavy SLAs from IT &
product to live up to*

**Monitor**
*Lack of (statistical)
monitoring & alerts*

**Approve**
*Strict requirements
from compliance & risk,
IT, DPOs, managers*

**Interact**
*End users demand AI
not explainable or open
for feedback*

**Control**
*No reproducibility, audit
trail, sign-off flow*

# **Product** | An integrated AI platform

**Easily deploy, manage** and **update** models on a strong infrastructure

**Automatically log and trace** every model change and prediction

Stay **up-to-date on performance** monitoring, alerts, drift, overrules

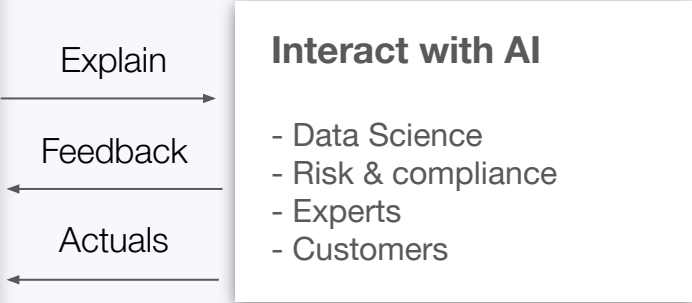**Out of the box explainability to experts, built-in feedback loop**

**Scalable infrastructure**: available on the **AWS & Azure** marketplaces and as **SAAS**

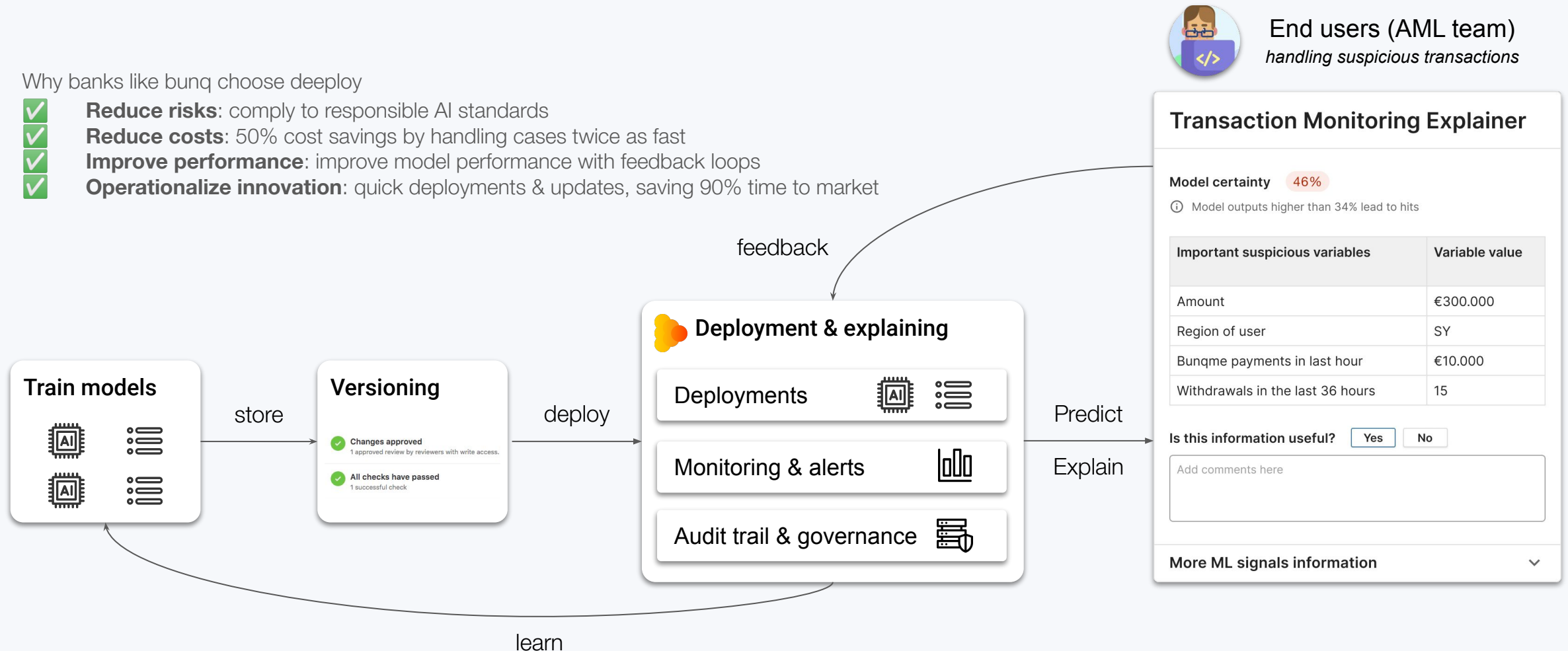**Integrates** with state of the art tools in the ML ecosystem

**DEEPLOY**

| Simple UI | API & client |
|---|---|

| Deployment & Management |
|---|

| Explainability & monitoring |
|---|

| Audit trail | Governance |
|---|---|

**Focus on high-risk AI**
**Banking:** AML, KYC, credit risk
**Healthcare:** triage, care pathways
**Govs**: crowd control, public eye

Explain →

**Interact with AI**

- Data Science
- Risk & compliance
- Experts
- Customers

← Feedback

← Actuals

**Cloud**

aws

**Integrations**

Amazon SageMaker

KServe

# Client | how bunq uses Deeploy to safely deploy AI for transaction monitoring

**End users (AML team)**
*handling suspicious transactions*

Why banks like bunq choose deeploy

- ✅ **Reduce risks**: comply to responsible AI standards
- ✅ **Reduce costs**: 50% cost savings by handling cases twice as fast
- ✅ **Improve performance**: improve model performance with feedback loops
- ✅ **Operationalize innovation**: quick deployments & updates, saving 90% time to market

### Transaction Monitoring Explainer

**Model certainty**    46%

ⓘ Model outputs higher than 34% lead to hits

| Important suspicious variables | Variable value |
|---|---|
| Amount | €300.000 |
| Region of user | SY |
| Bunqme payments in last hour | €10.000 |
| Withdrawals in the last 36 hours | 15 |

Is this information useful?   [Yes]   [No]

Add comments here

More ML signals information ⌄

feedback

## Train models

## Versioning

✅ **Changes approved**
1 approved review by reviewers with write access.

✅ **All checks have passed**
1 successful check

store

deploy

### 🔶 Deployment & explaining

Deployments

Monitoring & alerts

Audit trail & governance

Predict

Explain

learn

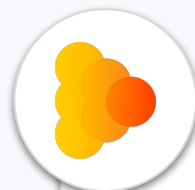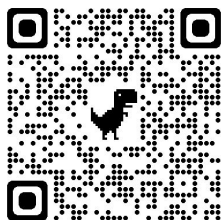# **Get in touch** to make you ML solutions scalable and explainable
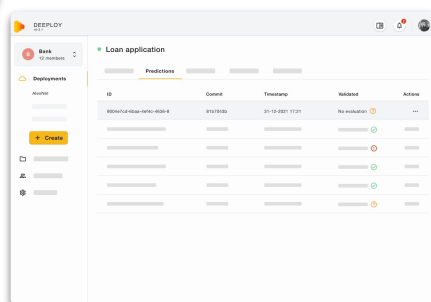


**Bastiaan van de Rakt**

Founder of Deeploy & Enjins

- Successfully founded and scaled multiple start-ups
- Early-stage investor in data & AI start-ups (GoBoony, PlanBlue)
- Tech advisor at different VC's

*Meet me at VivaTech*

## Deeploy - The **#1 Responsible AI platform** to deploy, control & explain AI

**Reduce risks** and comply to EU AI standards

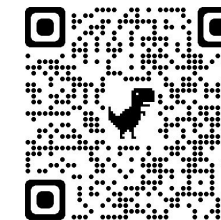**Improve model performance** with Explainable AI & feedback loops

**Operationalize innovation** with quick deployments & updates, saving 90% time to market

*Try Deeploy for free*

bunq    NICEDAY    brand new DAY

## Enjins - The **#1 ML engineering partner** for tech companies & investors

- Use cases
- Infrastructure
- Roadmap
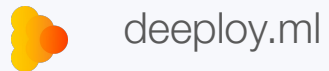- Algorithms
- Data Team
- Data Ops
- ML Ops

*Learn more about Enjins*

TIER    cr·sp    JustWatch

# DEEPLOY

## Try Deeploy on

- deeploy.ml
- Azure Marketplace
- AWS Marketplace

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