



FORTISSIMO  
PLUS

## FFPLUS SUCCESS STORY: INNOVATION STUDY

# THE EUROPEAN REGULATORY COPILOT FOR REAL-TIME COMPLIANCE MONITORING

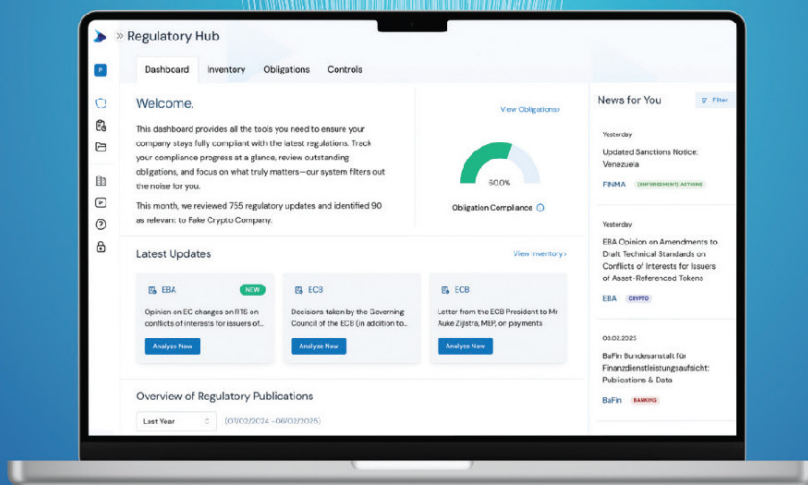
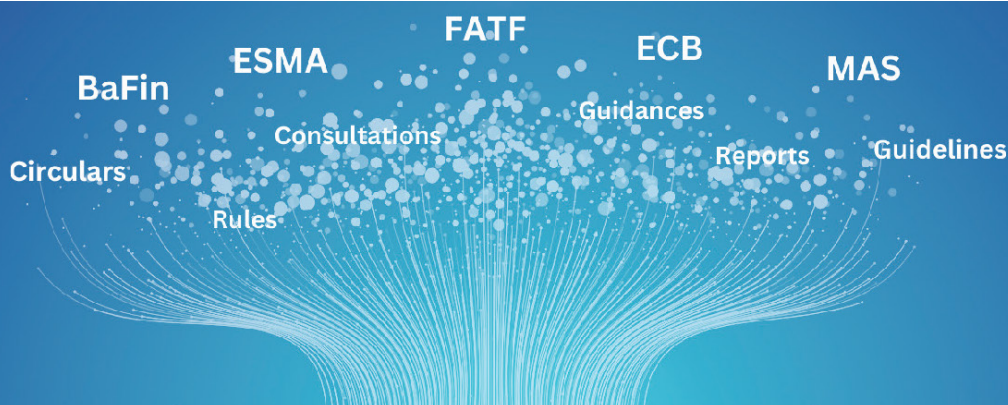
## ORGANIZATIONS

**Kodex AI** is a German SME that develops AI solutions for the European financial sector. The company builds domain-specific language models to automate regulatory compliance, reporting, and risk management for financial institutions. By combining high-performance computing with generative AI, Kodex AI delivers precise, scalable tools that simplify complex workflows across multilingual and rapidly evolving European regulatory frameworks.



## THE CHALLENGE

Financial institutions struggle to keep pace with rapidly evolving European regulations, relying on fragmented tools and generic AI that lack domain precision and audit transparency. Rising compliance costs and risk exposed a clear gap. To deliver a specialised, trustworthy regulatory AI, Kodex AI needed large-scale model training and experimentation beyond commercial cloud limits, requiring access to HPC resources.



**Technology used:** HPC, GenAI, Data Engineering  
**Industry Sector:** Fintech

## THE SOLUTION

Kodex AI developed the European Regulatory Compliance Copilot powered by a fine-tuned Regulatory Large Language Model (RegLLM). Using EuroHPC infrastructure, including MareNostrum 5, the team trained the model on 35,000+ multilingual regulatory documents, guidance notes, and historic compliance reports. A continuous ingestion pipeline keeps the knowledge base up to date, while human workflows ensure legal accuracy, explainability, and transparent, auditable outputs.

## THE IMPACT

Kodex AI have transitioned from limited cloud testing to full-scale RegLLM development on European HPC. This enabled training and validation of a domainspecific regulatory model that outperforms open-source and proprietary alternatives, including GPT-4, on finance compliance benchmarks. Financial institutions report measurable impact: 60–70% reductions in compliance reporting time and €1–1.5 million annual savings for mid-sized organisations. Automated horizon scanning and obligation extraction reduce regulatory blind spots, speed response to new directives, and lower exposure to fines and reputational risk.

Commercially, the project strengthened Kodex AI's market position. The addressable market expanded by 150%, enabling entry into new EU jurisdictions and larger enterprise segments. HPC-enabled development improved robustness and shortened innovation cycles. Revenue is projected to double within three years. Socially, the solution improves transparency and accountability through explainable, audit-ready outputs that reinforce trust between institutions, regulators, and citizens.

## BENEFITS

- €1–1.5 million annual cost savings for mid-sized institutions.
- Model iteration cycles reduced from weeks to days using EuroHPC GPUs.
- 9%+ accuracy improvement over GPT-4 on regulatory benchmarks.
- 60–70% reduction in compliance reporting time.
- Improved auditability and trust through explainable, low-hallucination outputs.



**EuroHPC**  
Joint Undertaking