



FORTISSIMO  
PLUS

## FFPLUS SUCCESS STORY: INNOVATION STUDY

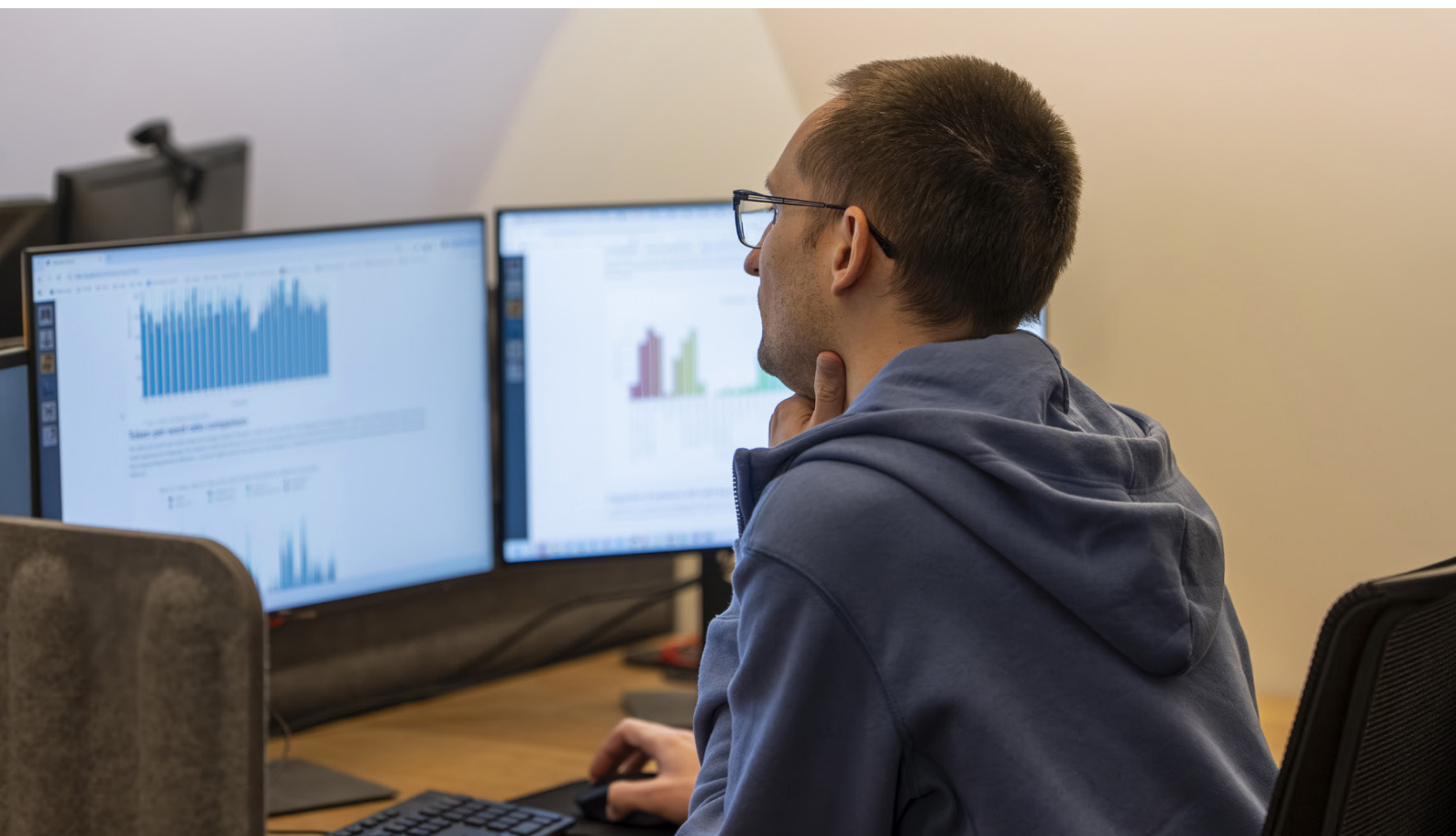
# LOCALLY DEPLOYABLE ENTERPRISE SEARCH AND Q&A SOLUTION

### ORGANIZATIONS

**Tilde** is a European language technology SME specialising in multilingual AI solutions for enterprises and public institutions. The company develops neural machine translation, speech technologies, chatbots and terminology management systems. Tilde combines human linguistic expertise with AI-driven R&D and actively promotes digital inclusion for under-resourced European languages through initiatives such as its open large language model, TildeOpen.

### THE CHALLENGE

Organisations manage growing volumes of multilingual information, yet existing enterprise search and Q&A tools fail to meet strict data sovereignty, compliance and language-quality requirements. Cloud-based AI limits adoption in regulated sectors and performs poorly for smaller European languages. To unlock new regulated markets and scale its enterprise offering, Tilde needed a secure, locally deployable solution delivering high-accuracy results in under-resourced languages.



**Technology used:** HPC, AI, LLM, GenAI  
**Industry Sector:** Telecommunication

## THE SOLUTION

Tilde developed a modular, locally deployable enterprise assistant combining semantic search with generative question answering. The system retrieves content from internal document repositories and generates context-aware answers with traceable sources, operating entirely on-premises or in private clouds to ensure regulatory compliance. FFplus HPC access enabled large-scale fine-tuning of the TildeOpen language model on up to 768 GPUs, improving accuracy for Balto-Slavic languages.

## THE IMPACT

The project significantly strengthens Tilde's commercial position in secure, multilingual AI solutions. By reducing error rates in Balto-Slavic languages from over 27% to levels comparable with widely supported languages, Tilde can now compete for high-value contracts in regulated sectors including government, finance, healthcare and legal services. The locally deployable architecture removes a major barrier to adoption in data-sensitive environments, enabling entry into markets previously inaccessible to cloud-only AI providers.

The solution transforms Tilde's advanced language technologies into a scalable enterprise platform with predictable deployment costs and performance. This enhances recurring revenue potential, supports long-term customer retention and positions Tilde as a strategic AI partner in Central and Eastern Europe, where the addressable market is expected to grow by up to 150% within three years. Socially, the solution improves access to trustworthy AI tools in diverse European languages, supporting digital inclusion for public institutions, SMEs and end users.

## BENEFITS

- Enables fully on-premises enterprise search and Q&A with strong data sovereignty.
- Delivers high-accuracy AI for under-resourced European languages.
- Reduces information retrieval and decision-making time by up to 60%.
- Converts Tilde's language technologies into a scalable, reusable enterprise platform
- Unlocks access to regulated markets and high-value contracts across Central and Eastern Europe.
- Provides a reusable platform for summarisation, translation and support services.



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