



FORTISSIMO  
PLUS

## FFPLUS SUCCESS STORY: INNOVATION STUDY

# ASSISTED LOWCODE GENERATION & OPTIMIZATION: BRIDGING AI & APP DESIGN

## ORGANIZATIONS

**WebRatio** is an Italian SME with over 20 years of experience in enterprise software and creator of the Interaction Flow Modelling Language Object Management Group® standards. Its low-code platform integrates AI-assisted development for web, mobile and process-driven applications. **RES IT** is a specialist in AI, machine learning and deep learning, delivering proprietary data-driven solutions to enterprise and financial customers.



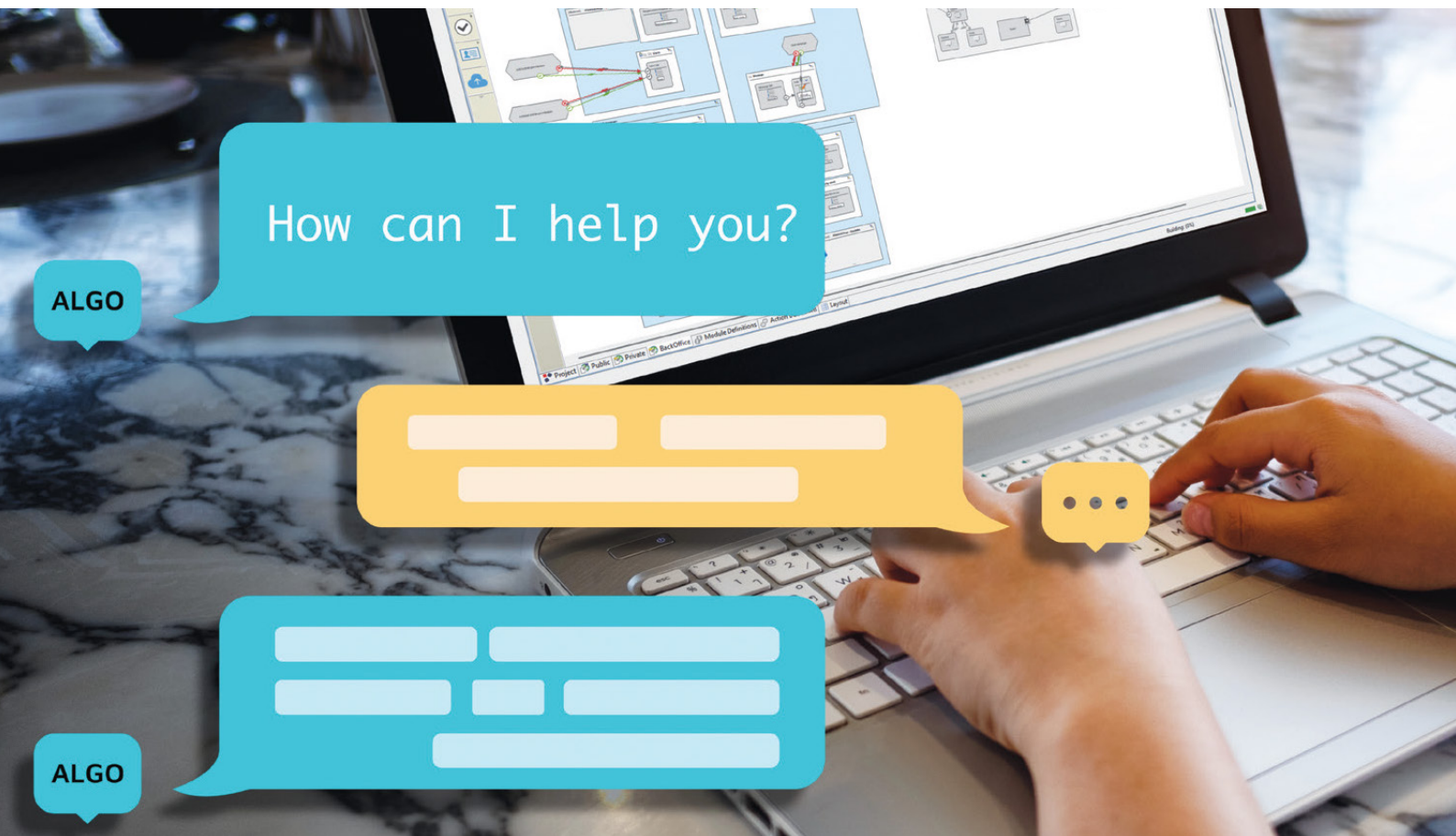
## THE CHALLENGE

Enterprises face mounting pressure to accelerate digital transformation despite shortages of skilled developers and growing application backlogs. Traditional software development is slow and costly, while existing low-code platforms still require specialist expertise. Generative AI offers potential, but without domain understanding it lacks the reliability and control required for enterprise use, creating urgency for European SMEs to innovate and remain competitive.

How can I help you?

ALGO

ALGO



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

## THE SOLUTION

WebRatio developed ALGO, an AI-powered copilot that is embedded in its low-code platform. Using HPC resources, over 100,000 archive samples were used to fine-tune open-weight large language models in the Interaction Flow Modelling Language domain. The selected model was integrated into a graph-based framework with syntactic and semantic guardrails, enabling reliable natural-language generation of fully executable application models. These were benchmarked and packaged for secure Integrated Development Environment integration.

## THE IMPACT

ALGO demonstrates that generative AI can be applied safely and predictably, within enterprise low-code environments. For business, it delivers a dual impact: substantial productivity gains for professional developers through automated, compliant modelling, and a new addressable market of citizen developers, accelerating adoption across organisations.

Socially, it lowers the barrier to software creation, enabling non-technical users to build functional applications, improving digital inclusion and strengthening collaboration between business and IT teams.

Strategically, the project strengthens European competitiveness by providing a trustworthy, EU-developed alternative in a market dominated by non-EU vendors, supporting data sovereignty, governance and long-term SME-led innovation. It also provides the foundation for WebRatio's long-term AI adoption roadmap, reinforcing the company's role as an innovation-driven SME.

## BENEFITS

- 50% productivity gain for professional developers through AI-assisted modelling.
- ~€40,000 annual value created per developer for customers.
- 100% expansion of the addressable market by enabling citizen developers.
- Projected €2.1M in new annual recurring revenue by 2030 from AI-enhanced subscription tiers and licenses.



**EuroHPC**  
Joint Undertaking