



RECOGNOSCO

BOOSTING EFFICIENCY IN RIS AND PACS WITH SPECIALISED, MEDICAL SPEECH TECH

**How Recognosco helps radiology software providers
cut reporting time, reduce risk, and enhance usability.**



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Introduction

Radiology software providers across Europe are at a pivotal moment.

Imaging volumes are rising, clinician burnout is accelerating, and the market demands faster, smarter, and more intuitive tools. While general-purpose voice technologies have grown in popularity, they often fall short in the high-precision, high-stakes environment of radiology.

Recognosco was built specifically for this space. Grounded in decades of speech recognition expertise and clinical NLP, its platform offers native, accurate, and seamless integration with RIS and PACS systems.

This eBook explores:

- Why generic voice tech underperforms in clinical environments
- What makes specialised speech technology a strategic differentiator
- How Recognosco supports software partners to deliver faster, smarter results
- The future of radiology - and how to prepare for it.



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The RIS and PACS Landscape Today

RIS and PACS systems underpin diagnostic imaging. But for many providers, adapting to modern healthcare demands remains a challenge:

- **Increased imaging volumes:** European providers are handling more scans with tighter turnaround expectations.
- **Manual admin workflows:** Radiologists still spend hours on repetitive reporting tasks.
- **Integration barriers:** RIS and PACS must interoperate smoothly with EPRs, EHRs and hospital IT environments.
- **Clinician fatigue:** Accuracy suffers when staff spend too long correcting voice tools or retyping reports.

These aren't just technical issues—they're strategic. Inefficiencies impact care delivery, slow product adoption, and risk patient and client satisfaction. Vendors that remove these barriers will lead the market.



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Why Specialised Medical Speech Tech Matters

Many AI scribes today are adapted from general-use tools. They’re not trained in clinical vocabulary, lack medical context, and require constant correction. This leads to poor adoption and frustrated users.

Recognosco’s platform is fundamentally different. Its models are built from the ground up using clinical data, trained specifically for radiology language and European reporting styles.

Table 1.

Generic Voice Tools		Recognosco’s Speech Tech	
Built for general use		✓	Trained on clinical data
Misunderstand medical terminology		✓	Understands radiology-specific phrases
Require frequent edits		✓	Delivers accurate first drafts
Bolt-on integrations		✓	RSDK enables native RIS/PACS integration

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How It Works

Recognosco allows RIS/PACS providers to embed the technology seamlessly into their application:

1. Voice Input:

Radiologists dictate freely using unstructured speech.

2. Speech Technology Platform, Atlas:

Processes voice in real-time using radiology-optimised models and medical NLP.

3. Report Output:

Accurate medical text is made available instantly in your solution to be used for structured, formatted reports - ready for review and sign-off.

- ✓ Supports virtual desktop infrastructure (VDI)
- ✓ Compatible with cloud and on-premises deployments
- ✓ Multilingual support for clinical teams

Recognosco's Atlas has been designed to be invisible: a seamless experience that supports your users in the background. Enabling natural and intuitive reporting.



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Use Case Example

Example Case: European PACS Provider

A European PACS provider initially tried a widely used generic AI scribe integrated into the system workflow with the goal of automating clinical documentation across radiology and related departments. However, clinicians quickly rejected the system due to poor transcription accuracy, especially when handling complex medical terminology, accents, and rapid dictation common in clinical environments. The AI frequently misinterpreted key clinical phrases, introduced errors in patient notes, and required extensive manual correction — ultimately slowing down the documentation process instead of streamlining it.

Recognising the need for a solution tailored to the clinical context, the organisation shifted focus toward finding a high-accuracy, healthcare-specific speech-to-text engine that could integrate seamlessly with their existing PACS and RIS (Radiology Information System). The new priority was to ensure that medical transcription was not only fast and efficient but also clinically reliable - to improve turnaround times, reduce burnout, and maintain quality in documentation.

Before Recognosco:

- Clinical phrase “Osteoarthritic narrowing” became “a static marrow”
- Reports took longer due to corrections
- No improvement in clinician experience

After Recognosco:

- More than 99% accuracy in medical reporting
- Reduction in report turnaround
- Built-in voice navigation
- Higher clinician satisfaction and engagement
- Fully integrated into your RIS/PACS solution.

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Strategic Value for Product & Technology Leaders

Recognosco offers more than speed. It transforms your RIS/PACS product into a voice-enabled powerhouse, designed for adoption, retention, and scale.

For CTOs and Heads of Product:

- Faster deployment: SDK and API-first design enables rapid integration
- Scalable infrastructure: Designed for multi-market and multi-language growth.

For CEOs:

- High-quality output: Clinician-ready results with no training required
- Flexible deployment: On-premises, cloud, or hybrid options to suit customer needs
- Multi-language offering: Go to Market (G2M) readiness and growth
- Influence on roadmap: Partners have direct contribution to product evolution
- Better retention: Tangible improvements in end-user productivity and satisfaction.

Trusted by:





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The Future of Radiology is Voice-Led

Specialised speech technology isn't just solving today's problems - it's defining the next generation of diagnostic tools. Atlas by Recognosco is the engine behind that transformation.

Real-time Diagnostics

Atlas delivers fast, accurate speech recognition with no training required, using advanced neural networks and deep learning.

Full Voice-Controlled Navigation

Radiologists can scroll, tag, and annotate studies with their voice — no keyboard or mouse needed. It's faster, more intuitive, and reduces friction in reporting workflows.

"We're delighted with the introduction of Atlas provided by Recognosco. The innovative speech technology platform incorporates neural networks and deep learning and demonstrates the very highest levels of quality and accuracy. The next-generation technology is fast, efficient, and reliable. Our customers are noting significant benefits with the introduction of this new tech."

— Bert Groeneveld, CEO, G2 Speech

Why This Matters

If your platform isn't evolving toward this voice-led future — your competitors are.

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Ready to Transform Your RIS or PACS Product?

Recognosco is supporting European software vendors to:

- ✓ Reduce reporting time with accurate results delivered first time
- ✓ Ease clinician workloads
- ✓ Improve product usability with ease and flexibility
- ✓ Position their solutions as voice-first, future-ready platforms

Let's talk.

Book a discovery call with our team to explore how quickly and easily we can help you add real-time speech tech to your RIS or PACS product.

More information at: recognosco.com

Email: contact@recognosco.net



About Recognosco

Providing software partners across the globe with the latest AI-powered speech recognition. Our innovative speech SDK leverages artificial intelligence, utilising Neural Networks and Deep Learning, providing the most advanced speech recognition. Enabling doctors, nurses, lawyers, transcriptionists and agents to produce comprehensive, high-quality documentation - quickly and efficiently.

Based in Vienna, Austria our team has many years of experience in the development, support and distribution of speech recognition technologies for the global medical and legal markets.

Learn more at: recognosco.com