VECTRA

Customer Story | Medical Practices

How IRIS Imagerie Secures More Than 1,000 IPs With Vectra AI

IRIS Imagerie is a medical imaging group operating across eight sites in the Lille metropolitan area. With more than 130 employees and over 1,000 IP-connected systems — including MRI machines, scanners, and PACS — the organization manages a high-availability, complex environment.

IRIS imagerie radiologique interventionnelle et scintigraphique

Organization
IRIS Imagerie

Industry
Medical Practices

The Challenge
Protecting complex, high-availability medical systems without disrupting patient care required broader visibility and faster detection and response across IRIS Imagerie's environment.

The Solution
By deploying Vectra AI Network Detection and Response (NDR), IRIS Imagerie gained the visibility and automation needed to detect, investigate, and contain threats efficiently.

Security Transformation

Platform value at a glance

Vectra AI's Impact	Outcome
Coverage	• Secures more than 1,000 IP-connected systems across eight medical sites. • Monitors traffic across clinical and administrative systems in real time. • Provides unified visibility across distributed environments.
Clarity	• Consolidates forensic data for faster investigations. • Delivers contextual detections that help prioritize real threats.
Control	• Integrates natively with SentinelOne EDR for automated response. • Reduces analyst workload without adding operational overhead.

With Vectra AI in place, IRIS Imagerie strengthened its defenses and improved operational reliability across its healthcare network.

But before achieving these results, the team needed to establish a more unified and resilient security foundation.

The Challenge

Safeguarding complex information systems

For a medical imaging provider like IRIS Imagerie, ensuring that essential systems remain operational isn't just a technical concern — it's directly tied to patient care.

"Our challenge is continuity. A day of interruption represents a critical loss of care and potentially several weeks of recovery time if the attack is massive," Dr. Olivier Vanaerde, Co-Director at IRIS Imagerie said.

While SentinelOne Endpoint Detection and Response (EDR) secured their endpoints, IRIS Imagerie needed deeper network-level protection. The team sought a solution that could deliver complete visibility, detect abnormal behavior, prevent lateral movement, and enable faster, more efficient response.

To meet these needs, IRIS Imagerie turned to their long-time partner BY THE WAY, who recommended Vectra AI as a natural complement to their existing EDR.

The Solution

From workstation to network: a step-by-step cybersecurity strategy

IRIS Imagerie implemented Vectra AI Network Detection and Response (NDR) to gain a clear view of activity across their network. The Vectra AI Platform empowers the team to identify potential threats in real time, assess impact, and act swiftly to protect critical systems.

It also consolidates forensic data, accelerates investigations, and helps contain compromised hosts — all while preserving data privacy.

"Vectra AI was seamlessly integrated into our architecture. It analyzes network traffic in real time, reports suspicious behavior such as scanning activity or abnormal access to resources, and integrates natively with our SentinelOne EDR for automated response," Guillaume Billiard, Head of IT Systems at IRIS Imagerie explained.

Partner expertise: trusted support at every phase

Throughout the deployment, BY THE WAY provided end-to-end support, leveraging years of experience managing IRIS Imagerie's infrastructure and security systems.

"BY THE WAY has been supporting us for years on our infrastructure and security issues. For Vectra AI, they handled the entire audit, deployment, custom configuration, and skills transfer phases," Billiard noted.

The Results

Security resilience and peace of mind

With Vectra AI in place, IRIS Imagerie strengthened its overall security posture with:

- Increased protection for medical and business assets without the additional workload
- Consistent security with no disruption to users
- Reduced risk of attack across essential systems
- Faster containment of compromised hosts, minimizing impact

"The ROI calculation is easy. A single day of blackout is a huge loss. Vectra AI secures our data and drastically limits this risk. Prevention is much cheaper than recovering from them," Vanaerde shared.

Looking Ahead

AI in medicine: new risks and new opportunities

As artificial intelligence transforms radiology through innovations like image reconstruction and assisted diagnosis, it also introduces new cybersecurity challenges. Each new integration adds potential exposure points that must be secured.

"Every time we integrate AI, we create a new network gateway, and therefore a new exposure surface. Tools like Vectra AI are essential for mapping and securing these interactions," Vanaerde said.

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> Co-Director at IRIS Imagerie

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