Managed Cyber Security for Pathology

South Africa

NEC XON helps safeguard patient data for a leading Medical group

The Challenge

In the ever-evolving digital landscape, cyber security threats pose a significant risk to organizations across industries, including the healthcare sector. Healthcare data breaches are some of the most financially devastating. According to the Cost of a Data Breach 2023 report, the average cost of a healthcare data breach is US$10.93 million. A leading South African pathology group found itself facing these challenges head-on. Their existing cyber security infrastructure, while adequate, lacked comprehensive visibility into their digital environment, making it difficult to detect and respond to threats effectively. The company also faced resource constraints to address these threats tactically.

These challenges posed a serious threat to the pathology group's ability to safeguard sensitive patient data and ensure business continuity. They needed a robust cybersecurity solution that would provide continuous monitoring, threat detection, and response capabilities.

The Solution

Seeking to bolster their cyber security posture, the pathology group partnered with NEC XON, who proposed a transition from the traditional Security Operations Centre (SOC) model to a Managed Detection and Response (MDR) approach. This shift would provide the pathology company with the enhanced capabilities they needed to stay ahead of cyber threats.

NEC XON's MDR solution encompasses Extended Detection and Response (XDR) and Breach and Attack Simulation (BAS) software. XDR integrates data from various sources, including endpoints, networks, and cloud environments, offering a unified view of the organization's security posture. BAS, on the other hand, simulates real-world attack scenarios to identify vulnerabilities and test the effectiveness of security controls.

The Benefits

Reduced Cyber Security Risks: The MDR solution provides comprehensive visibility into the organization's digital environment, enabling proactive threat detection and mitigation.

Enhanced Focus on Core Business: By entrusting cybersecurity to NEC XON's experts, the medical group can more efficiently allocate resources and focus on its core business objectives.

Secure Patient Data and Improved Customer Trust: The robust cybersecurity measures safeguard sensitive patient information and foster greater customer trust and confidence.

> *Our extensive knowledge of adversarial tactics, how threat actors operate, and how they gain access to healthcare organizations enables us to handle low-downtime migrations towards effective incident response systems.*

**Armand Kruger,
Head of Cyber Security, NEC XON**

Learn more about NEC at **nec.com**

A drive towards greater sustainability

01 **Minimized disruption, maximized sustainability**
Data breaches disrupt productivity. NEC XON's approach ensures smooth operations, saving resources and reducing environmental impact.

02 **Future-proofing through Managed Detection & Response (MDR)**
Siloed defenses are a sustainability risk. MDR delivers unified visibility, optimizing energy use and resource allocation.