

# CASE STUDY

## NOS STRENGTHENS CYBERSECURITY DEFENSE WITH DARKTRACE'S CYBER AI PLATFORM

At a time when large-scale data breaches have lowered consumer trust in technology companies to a historic low, telcos cannot afford to risk their reputations by falling behind today's innovative threat actors, who are constantly innovating to evade traditional security controls.

In partnership with Darktrace, Noesis implemented a self-learning AI cybersecurity system for NOS - a leading Portuguese communications and entertainment group - to accurately detect threats and abnormal deviations while evolving with the business.



### Sector

Telecommunications

### Delivery Unit

IT Operations, Cloud & Security

### Solution

Intelligent Cybersecurity Deployment



## THE CHALLENGE

In addition to the complex networks that NOS manages, the enormous volumes and different types of data present significant cyber security challenges. With over a billion Euros in revenues and a leading reputation for protection, NOS prioritizes cyber defense as a critical business issue, which has led it to utilize an array of conventional security tools that proved challenging to manage collectively.

While cyber defense has long been a point of emphasis for NOS, the rise of never-before-seen attacks and the risk of insider threats led the team to search for an AI platform to gain complete visibility into its digital operations.

## GOALS

The strategic objectives to be achieved were:

- Detect never-before-seen cyber threats;
- Gaining visibility into complex infrastructures;
- Sufficient reporting and context to investigate emerging threats.



## SOLUTION

NOS selected Darktrace's cyber AI because of its unique ability to distinguish between normal and abnormal activity for each user and device, learning their typical "life patterns" while at work. This continuously refined sense of "self", which evolves as the NOS company grows, allows Darktrace to detect subtle deviations that characterize never-before-seen threats.

By analyzing the multidimensional behavior of each user and device in the light of new evidence, Darktrace's AI can uniquely bring together the different indicators of compromise that would otherwise go unnoticed.

In addition, Darktrace classifies the threats it detects and visualizes them via the Threat Visualizer interface so that NOS' security team can deal with them accordingly. The unit can "go back in time" and understand how events unfolded, contextualizing threats and presenting them in context.

## THE RESULT

By adopting this solution, NOS managed to obtain:

- Full visibility of each user and device;
- Self-learning AI that evolves with the company;
- Resilient and adaptable security posture;
- In-depth investigations into incidents in real time.



NOS is the biggest communications and entertainment group in Portugal, at the forefront of service and technological innovation worldwide. Operating across all market segments - Residential, Personal, Business and Wholesale, NOS offers latest generation fixed and mobile solutions for television, Internet, voice and data, and is the leader in Pay TV, New Generation Broadband services, in cinema distribution, and exhibition.



Noesis is an international tech consulting company with almost 30 years of experience offering solutions to support companies' businesses and digital transformation. Noesis has an extensive IT services portfolio working in several areas such as IT Ops & Infrastructure, Cloud & Security, Enterprise Solutions, Low-Code Solutions, Data Analytics & AI, DevOps & Automation, Quality Management, Enterprise Application Integration, and Professional Services. The company has +1200 highly specialized talents, operating in six countries: Portugal, Spain, the Netherlands, Brazil, Ireland, the USA and the UAE. Noesis is part of Altia Group, listed on the Spanish BME Growth stock market, with more than 3,500 professionals operating in 8 countries and over 20 locations.



Noesis is a distinguished Platinum Darktrace Partner. This partnership helps sustain Noesis security strategy to guarantee the protection of data, assets and the entire network of organizations. With Darktrace technology we are able to prevent all cyber attacks through an advanced artificial intelligence system that provides a global view of the network, allowing an understanding of the network and ensuring greater security of your data.