Drax

At a Glance

○ Self-Learning AI takes proactive measures against threats

○ IT and OT protected with a unified solution

○ Protection from external and insider threats

drax

Drax is a leading power infrastructure company, and provides around 7% of the UK's power. It is in the process of switching to the use of biomass generators and is considered one of the most forward-looking organizations in the energy and utilities industry.

Threats to IT and OT in the Energy Sector

The energy sector faces a rapidly-evolving threat landscape, in which increasingly sophisticated attackers have been successful in scaling network boundaries and infiltrating extremely sensitive operational systems. The stakes of cyber-threats in this field are high, with major implications for the safety and integrity of national critical infrastructure.

Given the wide range of motivations that attackers have, and the looming risk of internal threat, it had become extremely difficult for Drax to pre-empt new attackers and anticipate their methodologies. Drax needed to be able to identify emerging threats, get ahead of up-and-coming attackers and intervene early in order to better protect its critical data and systems.

"Darktrace adds another level of sophistication to our defence systems, and has already identified threats with the potential to disrupt our networks. It helps us stay ahead of emerging threats and better defend our key systems."

Martin Sloan, Group Head of Security, Drax

The Immune System Approach to IT/OT Security

Drax decided to implement an 'immune system' approach, because it needed to be able to respond to fresh threats that had not been previously identifed by other security tools. The company selected Darktrace, powered by Enterprise Immune System technology, in order to benefit from a self-learning system that does not require a priori knowledge in order to identify threats, but which instead forms an adaptive understanding of normality and abnormality within its data systems.

The ability to constantly adapt to a rapidly evolving information environment in real time was critical to Drax, as it needed to be able to intervene early in potentially dangerous situations.

After successfully implementing the Enterprise Immune System on its corporate network, Drax extended the coverage to defending its crucial industrial control system (ICS) from attack. By deploying the Industrial Immune System alongside the Enterprise Immune System, Drax gained overall visibility of both IT and OT environments. Darktrace gives Drax the ability to detect previously unidentified threats irrespective of their origin.

"It helps us stay ahead of emerging threats and better defend our key systems. We are pleased to be working on cyber innovation with Darktrace's leading self-learning platform."

Martin Sloan, Group Head of Security, Drax

Intrusions Detected Immediately After Deployment

Darktrace has quickly become a fundamental part of Drax's cyber security strategy, due to its unique probabilistic approach and ability to detect emerging threats before they have the potential to cause significant damage.

On deploying Enterprise Immune System technology, the company was quickly alerted to potential intrusions within its systems that had already bypassed its other security tools. Following an easy implementation process, it now uses Darktrace to continuously analyze the overall health of its system and to spot irregular activities that have a high probability of being either malicious, dangerous or non-compliant.

Drax benefits from the most advanced cyber defense technology available today to protect itself against the most insidious attacks that jeopardize its critical infrastructure systems, whether those threats come from inside or outside of its organization.