DARKTRACE

DNK

Overview

Industry

- Insurance

Challenge

- Protect sensitive intellectual property
- Safeguard members from potential data breaches
- Act on potential threats before they become a crisis
- Maintain competitive industry position

Results

- Next generation defense against advanced threats
- Complete visibility of network activity
- Increase in members' confidence
- Recognized as leader in maritime industry

Business Background

DNK is one of the largest war risk insurance companies in the world, insuring vessels, drilling rigs, and similar movable units against war risk. As a major operator in the marine war risk market, based in Norway, DNK insures more than 3,000 ships and off shore units to a value of $218bn. Since 1935, DNK has succeeded in establishing a dedicated institution to ensure the marine sector has access to adequate insurance cover against war perils.

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> Darktrace's Enterprise Immune System gives us a greater confidence in our ability to defend against sophisticated threats, and a superior overall understanding of what is going on within our own systems, exposing areas that we need to investigate in places we would not have known to look.
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> **Svein Ringbakken, Managing Director**

Challenge

In the context of an increasingly sophisticated threat landscape, including advanced, state sponsored attacks against parts of critical national infrastructure providers, cyber-attacks are difficult to preempt. War, terrorism and piracy are now risks that are being played out in the cyber domain, and pose a real and growing threat to the shipping and off shore industry. With these progressively complex attacks penetrating network boundaries and sensitive operational systems, DNK recognized that a new approach to cyber security was required in order to safeguard its infrastructure and data.

In order to maintain its world-class reputation, DNK needed to be confident in its ability to protect intellectual property, such as risk models, and to detect and act on any potential issues at a very early stage.

"Last year, we started to discuss implementing an IT security system that follows what happens in our systems in real time. We already had the conventional IT security products, like anti-malware, but wanted something more sophisticated," said Svein Ringbakken, Managing Director of DNK.

Solution

DNK chose Darktrace's unique Enterprise Immune System technology, based on machine learning and Bayesian mathematics and developed at the University of Cambridge, to address the combined challenge of an increasingly sophisticated attacker landscape and the risk of internal threat, following a month long trial. During this Proof of Value period, Darktrace demonstrated the inherent value of its self-learning threat detection solution, which is uniquely capable of forming an understanding of normal and abnormal behaviors without any prior knowledge or rules.

DNK also gained entire visibility of its network through the rapid and easy installation of Darktrace's technology. From day one, Darktrace started to analyze user, device and network behaviors, in real time, detecting emerging anomalies and surfacing these to DNK's team. In addition, Darktrace's proprietary Threat Visualizer, a 3D graphical visualization interface, allows analysts to investigate any detected anomalies in great detail and address potential issues proactively.

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Benefits

With Darktrace's adaptive, self-learning technology, DNK is provided with complete, real-time visibility into all of its digital interactions and communications, promptly alerting the company to any emerging anomalous or suspicious behaviors. This proactive defense against previously unidentified threats means that the company is able to rapidly address developing issues before they turn into a crisis, significantly reducing the risk of suffering a debilitating attack or compromise.

"Our business is controlling risk, and we have no illusions about being able to stop an attacker from getting into our systems. What we want is to know if someone gets in," said Svein Ringbakken, Managing Director, DNK.

"Darktrace uses a new sort of machine-learning technology, and we felt that we wanted to be in on this new generation of cyber defense. We did not want technology that depends on looking up things in catalogues – we did not want to define in advance what we're looking for or make assumptions on what threats might be out there."

"Darktrace's Enterprise Immune System gives us a greater confidence in our ability to defend against sophisticated threats, and a superior overall understanding of what is going on within our own systems, exposing areas that we need to investigate in places we would not have known to look. It also demonstrates to our clients and partners that we are leading the way in defending critical data and operations against real and growing threats. We tell our members and partners about what we are doing with our new technology and that we think it would be a good business decision for them too to adopt this new generation of cyber defense. We insure against terror and piracy, and there is a potential cyber element in that too."