

DARKTRACE CORPORATE OVERVIEW

Our Vision

Darktrace applies the biological principles of the human immune system to the challenge of protecting the enterprise from advanced cyber-threats. Our vision is to use cutting-edge technology to help organizations detect abnormal behavior within their networks in real time, before these incidents develop into damaging cyber-attacks.

Darktrace Capabilities

- Detects emerging anomalies within the network
- Fights back against threats in real time
- Works in cloud, virtualized environments, and with Industrial Control Systems
- Installs in one hour
- Scalable to over a million devices
- Delivers value from day one

“Traditionally, when we think about security and protecting ourselves, we think in terms of armor or walls. Increasingly, I find myself looking to medicine and thinking about viruses, antibodies.

Part of the reason why cybersecurity continues to be so hard is because the threat is not a bunch of tanks rolling at you but a whole bunch of systems that may be vulnerable to a worm getting in there. It means that we’ve got to think differently about our security.”

President Obama, 2016

Enterprise Immune System

Darktrace’s award-winning Enterprise Immune System technology is uniquely capable of detecting and responding to the most subtle cyber-threats within the network, including insider threat. Powered by advanced machine learning and mathematics, the Enterprise Immune System automatically and adaptively learns the ‘pattern of life’ for every user, device and network, in order to detect emerging behaviors that represent real threats. This self-learning technology provides corporations with comprehensive visibility into their networks’ activity, allowing them to proactively respond to threats and mitigate risk.

Machine Learning and Cyber Security

The legacy approach of surrounding your information with higher and higher walls is not sufficient against today’s threat landscape. New advances in machine learning and mathematics, developed by specialists from the University of Cambridge, have allowed a new era of cyber security, which takes for granted that threat is permanently inside the network. Instead of pre-defining ‘bad’ behaviors and relying on prior knowledge about previous attack methods, Darktrace’s machine learning is capable of automatically modeling and clustering information dynamically and at speed.

Darktrace Fast Facts

- 3,750 deployments
- 500+ global partners
- 30 global offices
- 600+ employees
- Wall Street Journal’s ‘Top 25 Companies to Watch’ 2017
- Finalist for Royal Academy of Engineering’s MacRobert Award 2017
- Number 3 in Sunday Times Hiscox Tech Track 100 2017



Fig.1 Darktrace Threat Visualizer – real-time 3D interface for threat investigation



Fig.2 Darktrace global locations

About Darktrace

Darktrace is the world's leading machine learning company for cyber security. Created by mathematicians from the University of Cambridge, the Enterprise Immune System uses AI algorithms to automatically detect and take action against cyber-threats within all types of networks, including physical, cloud and virtualized networks, as well as IoT and industrial control systems. A self-configuring platform, Darktrace requires no prior set-up, identifying advanced threats in real time, including zero-days, insiders and stealthy, silent attackers. Headquartered in San Francisco and Cambridge, UK, Darktrace has 30 offices worldwide.

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