Ensign InfoSecurity bags Technology Excellence Award for Cybersecurity – Artificial Intelligence

Conquering advanced and emerging cyber threats with Ensign's patented AI-Powered Cyber Analytics Solutions

Singapore, 12 May 2022 - As more firms increase their digital presence, notably during a global pandemic that enforced repeated lockdowns and travel bans, various threat actors have deployed advanced techniques to evade traditional, rules-based threat monitoring systems. Unequipped to detect these emerging or unknown threats, many organisations have become more vulnerable.

To address this, Ensign responds with its AI-Power Cyber Analytics. Built by an experienced team of threat researchers and data scientists, the technology is powered by patented algorithms and novel approaches. Its self-learning threat detection models leverage deep neural networks, proprietary self-learning training techniques, and customised behavioural analytics to provide customers with a technological edge in detecting threats. Beyond relying on known threat types, the technology analyses the organisation's network traffic to identify anomalous patterns that may indicate an attack.

Ensign has deployed its AI-Powered Cyber Analytics solutions into its clients' Security Operations Centres (SOCs) to enhance their capabilities in detecting threats that traditional cyber security tools fall short of. The technology has also been deployed into Ensign's SOC where it provides Managed Security Services (MSS).

"Customers who opt for our AI-Powered Cyber Analytics solution benefit from powerful algorithms that enable the detection of advanced and emerging threats," Mr Tan Ah Tuan, Executive Vice President, Ensign Labs said.

For its efforts to enable organisations to conquer unknown cyber threats, Ensign InfoSecurity bagged the Cybersecurity - AI Award at the recently concluded Technology Excellence Awards, presented by *Singapore Business Review*. In its fourth year, the awards event lauds companies in Singapore that have pioneered ground-breaking IT products, solutions or initiatives that are leading the technological revolution and digital journeys of their respective industries.

Ensign has deployed its AI-Powered Cyber Analytics solutions into clients' security operations centres (SOCs) to enhance their capabilities to detect threats that traditional cyber security tools would not be able to detect and deter. The technology has also been deployed into Ensign's SOC where it provides Managed Security Services (MSS). MSS customers benefit from advanced threat detection when they opt for Ensign's data models as part of their MSS package. This solution gives

Ensign a unique edge as one of the only MSS provider in APAC that enhances its threat detection capability with proprietary AI-powered models.

Ensign's technology has yielded major successes and is backed by novel approaches:

- Patented self-learning technique
  Ensign's patented Self-Learning Threat Detection can leverage partially labelled and unlabelled data to train deep learning models, facilitating automatic detection of new, unknown threats.

- Patented technology to detect communications to malicious domains via DGA
  Ensign's AI-Powered DGA detection model can reduce malicious domain communications alerts by more than 99.99%, minimising alert fatigue, improving accuracy, and accelerating response time.

- Patent-pending Phishing Detection
  Ensign's Phishing Detection Approach yields more than 95% accuracy rate when detecting phishing attacks and can detect advanced attacks using Homoglyph and Typosquatting/Typoswyping techniques.

"It is also a force multiplier that supports cyber teams by improving accuracy of detection, reducing alert fatigue, and improving focus via triage of prioritised correlated incidents," Mr Tan Ah Tuan, Executive Vice President, Ensign Labs explained.

Headquartered in Singapore, Ensign has built a library of data models designed to detect a variety of threats and is constantly adding to its repertoire with new threat models to stay ahead of the changing threat landscape.

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About Ensign InfoSecurity
Ensign InfoSecurity is the largest, pure-play end-to-end cybersecurity service provider in Asia. Headquartered in Singapore, Ensign offers bespoke solutions and services to address their clients' cybersecurity needs. Their core competencies are in the provision of cybersecurity advisory and assurance services, architecture design and systems integration services, and managed security services for advanced threat detection, threat hunting, and incident response. Underpinning these competencies is in-house research and development in cybersecurity. Ensign has two decades of proven track record as a trusted and relevant service provider, serving clients from the public and private sectors in the Asia Pacific region.

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