





Largest end-to-end pure-play cybersecurity services company in APAC with deep expertise

MISSION:

To secure the Cyberspace of Enterprises, Sectors and Nations through World-class Expertise and Innovative Technologies

TRUSTED CYBERSECURITY PARTNER FOR GOVERNMENT AND ENTERPRISES

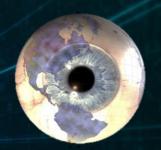


Launch of Ensign InfoSecurity by (L to R): Teo Chin Hock, Chia Song Hwee, Lee Fook Sun, SM Teo Chee Hean, Dilhan Pillay, 2PS Joseph Leong, Yeoh Keat Chuan

R&D-FOCUSED TO DEVELOP INNOVATIVE, END-TO-END CAPABILITIES



BUILDING LOCAL EXPERTISE WITH GLOBAL EXPOSURE



A management team dedicated to expansion of cyber resilience capabilities in Asia



Lee Fook Sun, Chairman

- Former Deputy CEO of ST Engineering & President of ST Electronics
- Former Director of Joint Intelligence Directorate; Brigadier General in the SAF



Tammie Tham, Group CEO

- Former CEO & Founder, Accel Systems & Technologies, a cyber systems integrator
- Held leadership positions at various technology MNCs





Tan Ah Tuan, Head of Ensign Labs

- Held leadership roles in DSTA in Singapore as the Group Technology Officer, Director of Cybersecurity and Chief IT Security Officer
- Experienced in developing info communications infrastructure and cybersecurity capabilities



Charles Ng, Head of International Business

- Former Director & Head of Cyber Security in APAC for Booz Allen Hamilton
- 6 years in Singapore's Public Sector
- Inv olv ed in the formation of the Cy ber Security Agency of Singapore



Diana Tan, Chief Legal Officer and Head of Corporate Functions

- Former Head of Legal at ST Electronics and Pavilion Energy
- Admitted as Advocate & Solicitor of the Supreme Court of Singapore and called to the English Bar



Gaurav Keerthi, Head of Advisory and Emerging Business

- Former Deputy Chief Executive (Development) in the Cyber Security Agency of Singapore
- In his role covering International Cyber Policy, Operational Readiness, and Engineering, he oversaw Cybersecurity capability and ecosystem development for Singapore



Lim Minhan, Head of Consulting

- Led the cyber response and OT security professional services in one of the big 4 consultancy firms
- Held management positions at SAF and was involved in strategic planning, policy-drafting and operations in the cyber domain



Steven Ng, Chief Information Officer

- Former Director of Threat Intelligence Group in the Defence Cyber Organisation
- Held leadership positions in technical operations and strategic analysis groups in the Military Intelligence Organisation



Paul Tan, Head of Systems Integration

- Former Director at DSTA with over 25 years of experience in cybersecurity
- Led various teams in design, development and implementation of large-scale cybersecurity solutions and systems

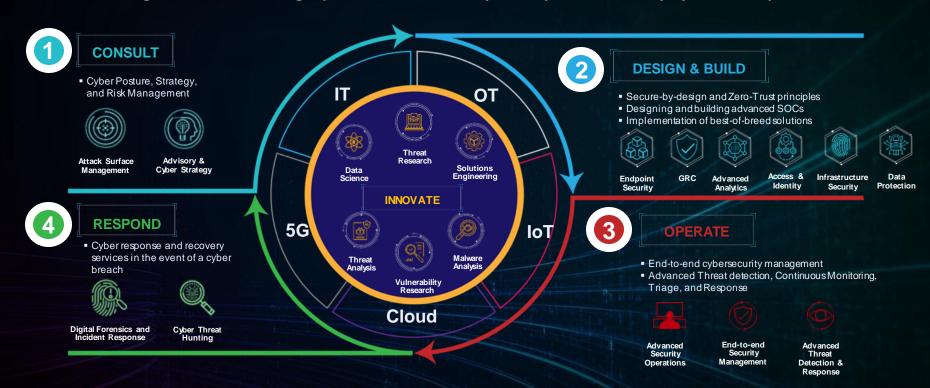


Chua Zong Fu, Head of Managed Security Services

- Former Partner in a Big 4 consultancy firm with more than a decade of experience in Cy ber Incident Response & Forensics
- Former R&D lead at an Israeli defence subsidiary specialising in zero-day malware detection and cyber attack attribution

Asia's largest cybersecurity services company with an end-to-end offering

Ensign serves as the single point of accountability for any client with any cybersecurity need



Ensign is based in Singapore, with a fast-growing regional footprint.



Our Achievements in the last 5 years











Employees
have grown
to 870
across
all
markets
where we
operate

offices have grown from 3 to 5 in the region

to include Singapore, Malaysia, Hong Kong, South Korea, Indonesia and Australia Revenue has grown more than 3X

CAGR
consistently

above 30%

Customers

Are now
served across
APAC and
Western
Europe

More than 10 projects outside of Ensign's operating territories

Sustained R&D investment of 6-9% of Group Revenue Developed indigenous cybersecurity solutions addressing unique problems

Apollo, Ares, Artemis, Helios, Melissa, Zeus

Project Track Record centered around complex Solution Design, Build and/or Operate for IT / OT / IoT / Cloud Environments



24 x 7 Endpoint Protection Services for Client with Nationwide Operations

 Designed, built, and currently operating Security Infrastructure to secure more than 100,000 endpoints for client with nationwide operations



24 x 7 Cloud Security Operations Centre for Tech Unicorn

- Designed, built, and currently operating the Cloud native SOC
- Full suite of services in consulting and implementation



Al-powered solutions for Client with Regional Footprint

 Full suite of managed security services pow ered by AI



Comprehensive services for Global MNC

- Management of largest cybersecurity implementation at global scale
- 24 x 7 SOC and staff augmentation to support operations in APAC region



OT Services for Leading Conglomerate

- Comprehensive security services for IT and OT environments
- Full suite of services in consulting and implementation

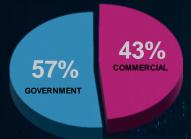
Business Mix (2022)

Singapore-International Mix



24% revenue from markets outside of Singapore

Government-Commercial Mix



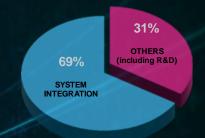
43% revenue from Commercial Sector across all markets where Ensign operates

Product-Service Mix



51% revenue from Managed and Professional Services

Group Revenue by Line of Business



System Integration accounts for 69% of Group Revenue



Ensign's modus operandi is to serve as a Trusted Advisor to our Clients

We help clients solve problems

- 1. We **understand** the threats facing organisations in Asia.
- 2. We have the **capability** to design and develop a diverse suite of proprietary solutions to address complex challenges.
- 3. We are here to **partner** each client on their long-term journey of cyber resilience against emerging threats.

Differentiation through Innovation

Developing novel solutions that interoperate with commercial off-the-shelf solutions to enhance cyber defence

O Helios ARES Pluto ZEUS Melissa

Ensign is translating our patents and IP into innovations that benefit clients

Developing novel solutions that interoperate with commercial off-the-shelf solutions to enhance cyber defence



These tech solutions are backed by patents and built in-house



Patents and Awards

Our innovations have been recognised internationally, through patents and international conference papers



A DEEP EMBEDDED SELF-TAUGHT LEARNING SYSTEM AND METHOD FOR DETECTING SUSPICIOUS NETWORK BEHAVIOURS



Patents Awarded

A SYSTEM AND METHOD FOR DETECTING DOMAIN GENERATION ALGORITHMS (DGAS) USING DEEP LEARNING AND SIGNAL PROCESSING TECHNIQUES



A SYSTEM AND METHOD FOR DETECTING PHISHING-DOMAINS IN A SET OF DOMAIN NAME SYSTEM (DNS) RECORDS

Patent Pending

A SYSTEM AND METHOD FOR AUTONOMOUSLY FINGER PRINTING AND ENUMERATING INTERNET OF THINGS (IOT) DEVICES BASED ON NATED IPFIX AND DNS TRAFFIC

Published Papers

MalwareCLIP: Towards a Scalable and Explainable Image-Based Malware Classification

IEEE CCCI 2023 Conference

BinImg2Vec: Augmenting Malware Binary Image Classification with Data2Vec

IEEE ICAIC 2022 Conference

TypoSwype: An Imaging Approach to Detect Typo-Squatting

PhishGAN; Data Augmentation and Identification of Homoglyph Attacks *IEEE CCCI 2020 Conference*



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3 Growth Pillars

Developing novel solutions that interoperate with commercial off-the-shelf solutions to enhance cyber defence



Comprehensive and Complete Service Offering

Continue to serve as a Trusted Advisor and Single Point of Accountability for each Client's evolving cybersecurity needs



Innovate

R&D investments to strengthen and supplement proprietary tech stack



Internationalise

Grow revenue contribution from overseas markets

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Comprehensive and Complete Service Offering

Continue to act as Trusted Advisor with a Comprehensive and Complete Service Offering that acts as a Single Point of Accountability



Differentiation through Proprietary Innovation

Incorporation of Proprietary
Elements into Complex
Solution Design



Grow Recurring Revenue

Increase share of revenue from Managed Services



Address Cybersecurity
Outcomes
for Underserved Segments

Explore alternate form factors and sales channels to address cybersecurity outcomes for underserved segments

Innovate

Continued R&D investments to strengthen and supplement Ensign's proprietary tech stack

Outcome-Focused Innovation	Evolving Market Trends
High Impact Threat Detection & Hunting	Generative Al
Regional and Global Cyber Threat Intelligence	Cloud-Native
Rapid Incident Response and Remediation	SaaS-based solutions
Threat and Vulnerability Exposure Monitoring	5G 5G
Unified Visibility of Organisation's Digital Terrain	Cyber Supply Chain Attacks

Internationalise

Grow revenue contribution from international markets



Grow International Footprint

Expand into new markets



Inorganic Growth

Pursue inorganic growth options where business conditions permit

