

# MANAGED SECURITY SERVICES

Strengthen your cybersecurity posture and mitigate security risks within IT & OT Networks



# Managed Security Services

Cyber attacks have expanded beyond the digital realm of IT into the physical world of OT. The stakes have escalated today and new cyber threats are exposing new vulnerabilities and risks that are pushing security and risk management leaders to adopt a paradigm shift in their cybersecurity approach. Without the proper security tools and resources; not keeping up with evolving threats and addressing threats as they arise; recovering from incidents too late can consume substantial resources with marginal or unsatisfactory results. It is important to engage a managed security service provider to address all the needs. We have the people, processes and technology to secure your organisation's critical assets and data.

## The Challenges Facing Organisations



### Shortage of cybersecurity expertise

- Lack of cybersecurity professionals
- Inadequate skillsets



### Evolving threat scenario

- Exposed to new vulnerabilities
- Cyber threats have become more sophisticated



### High cybersecurity operational cost

- Cost to maintain the security systems
- Cost to use the advanced analytic tools & latest technology

Despite 95% of CIOs expecting cyber threats to increase over the next three years, only 65% of these organisations currently have a cybersecurity expert within the organisations. Source: Gartner

## The Growing Threat of Cyber Attacks



### Dec 2019

An alleged state-sponsored hacking group attacked government entities and managed service providers by bypassing the two-factor authentication used by their targets.

Source: CSIS, December 2019

### Mar 2020

Suspected hackers were found to have used five previously unreported software vulnerabilities to conduct a wide-ranging espionage campaign.

Source: CSIS, Mar 2020

### Mar 2020

Hackers targeted over 75 organisations around the world in the manufacturing, media, healthcare, and nonprofit sectors as part of the broad-ranging cyber espionage campaign.

Source: CSIS, Mar 2020

# Elevate Your Cybersecurity Posture With Our Deep Expertise

ST Engineering's cybersecurity arm is a pioneering and leading provider of cybersecurity solutions. We have one decade of experience in implementing and operating 15 SOCs, we have gone through the challenges to manage all the resources & tools to mitigate the security threats. We have deep understanding of the process, the right expertise & relevant technology solutions to enhance the organisation's security posture.

Backed by deep domain expertise, we provide managed security services to empower organisations with cyber resilience and increase operational efficiency.

To maintain and upskill our cyber defenders and our customers constantly, we have our cybersecurity academy which offers training courses, competency based assesment leveraging on latest cyber defence technology and practical methodologies to address real-world cyber attacks. To-date, we have certified and trained cybersecurity professionals in more than 150 organisations.



**Holistic MSS**  
from our vast experience  
and extensive domain  
in securing nations, CIIs  
and enterprises.

## Developing Cyber Defenders To Combat Cyber Threats

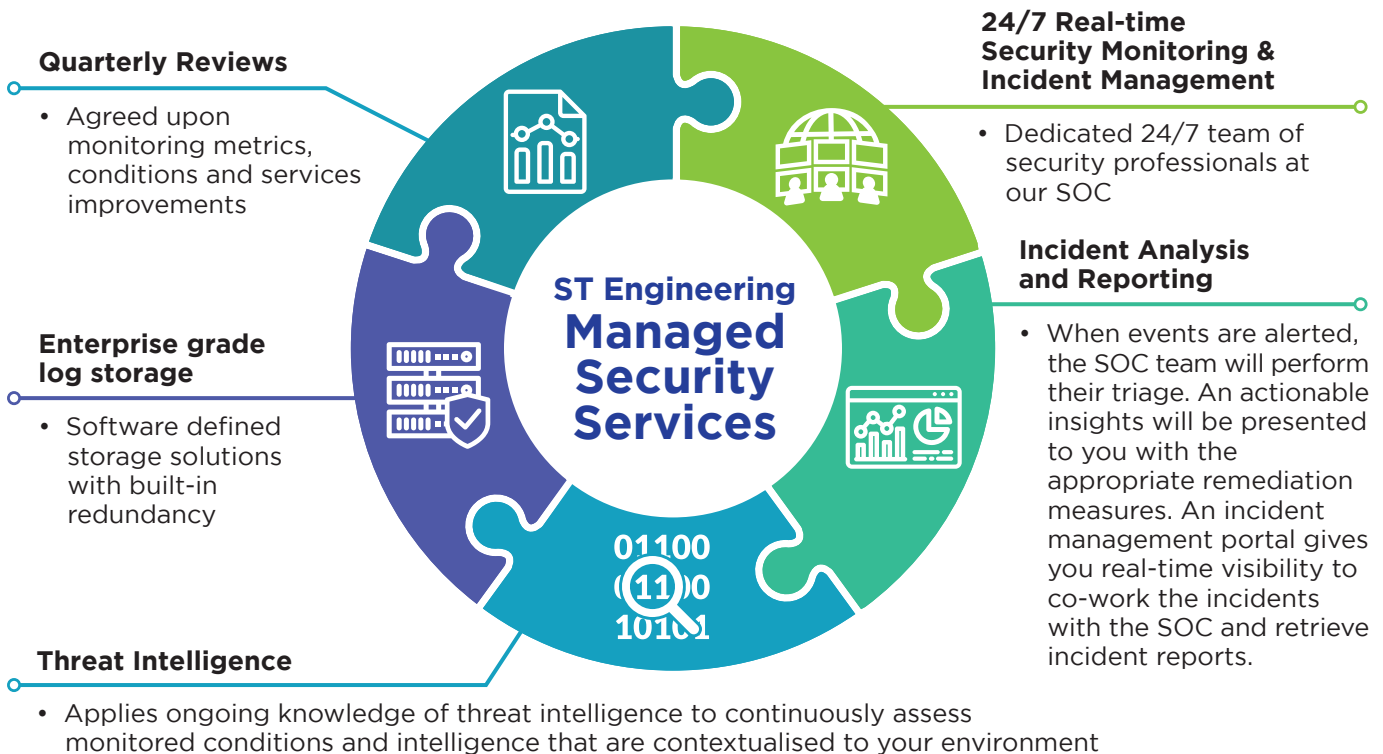
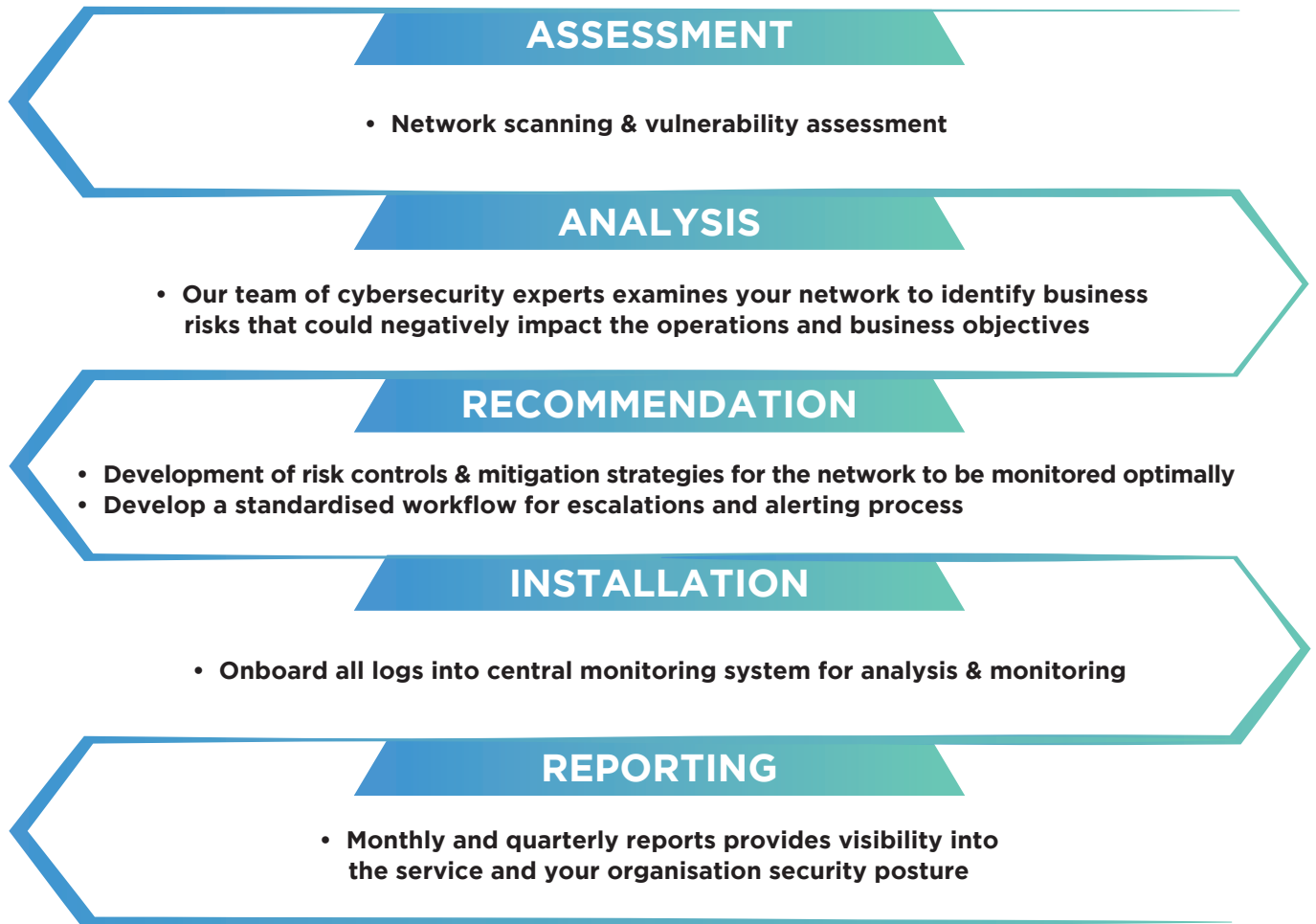
Our ST Engineering Cybersecurity Academy was launched in 2014 with a vision to train and develop more highly skilled cybersecurity professionals to combat growing cyber threats that have become more critical. The core of the Academy's training is based on a high-fidelity defence training that offers the closest encounter that any trainee can experience in a cyber-attack scenario. Trainees also get to experience and respond to an extensive kill-chain of malicious attacks in a realistic environment. To ensure the Academy's courses stay current and relevant to the industry's needs, it constantly seeks collaborations with leading domain experts across the world to develop relevant cybersecurity curriculums together with the trainers.

## Staying Ahead in the Rapidly Evolving Cyber Landscape

To ensure that we are committed to continuously keep our services and capabilities updated to meet current & future cyber threats, it is important to keep the pace of development of innovative indigenous technologies with cross-sector applications to address current as well as future cybersecurity challenges.

Our ST Engineering-SUTD Cybersecurity Laboratory is the first of its kind focused on cybersecurity R&D. It brings together foremost cybersecurity expertise and capabilities under one roof, to advance new frontiers in cybersecurity technologies and stay ahead of the rapidly evolving cyber landscape.

# Journey To Enhance Cyber Resilience



# Holistic Solution of IT & OT Networks

Besides using traditional cybersecurity measures to protect information assets, OT security technologies to protect the operations of critical infrastructures must also be considered as part of your overall cybersecurity plan. We provide Managed Security Services for detection of threats in both your IT and OT networks.

## Security Operations Center




## IT Environment

-  Managed Security Monitoring
-  Real-Time Alerting
-  Threat Hunting



## OT Environment

-  OT Anomaly Detection Monitoring System (ADMS) - Level 0 monitoring capability

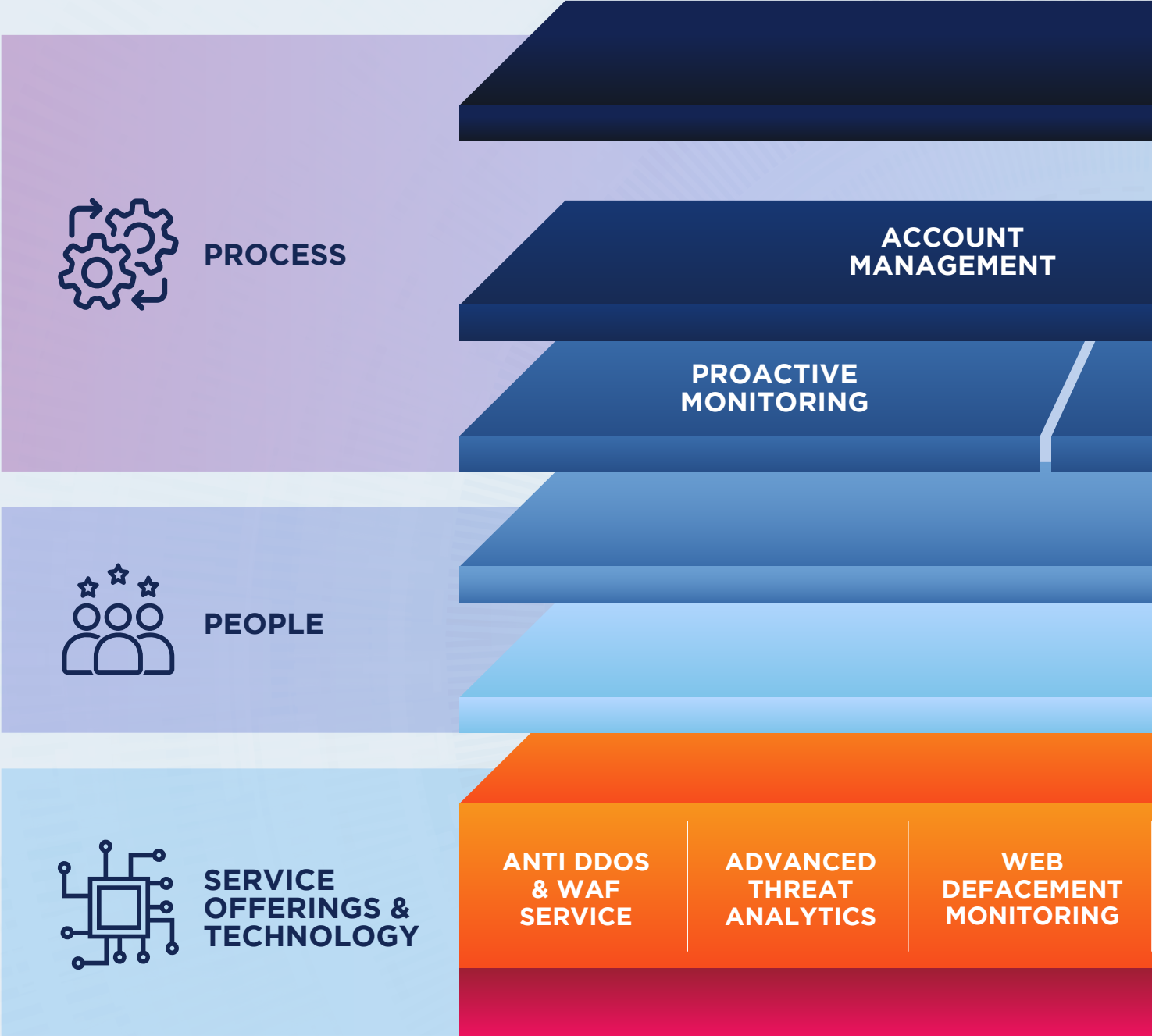


Provide situational awareness and real-time alerts on behaviour anomalies



# Managed Security Services

We offer a flexible MSS model to empower organisations with people, processes and technology to secure their critical data.



## OPTIONAL SERVICES

### Vulnerabilities Assessment and Penetration Testing (VAPT) - Protect Against Malicious Attacks

- Identify the gaps in your current system and develop a roadmap to address them.

### Consultancy & Advisory Services - Boost your Cybersecurity Posture

- From strategic advisory for your technology roadmap, architectural reviews, risk assessments to the design of your cybersecurity infrastructure, we have the expertise to advise you on the proven methodologies.

## CUSTOMER INTEGRATION AND ENGAGEMENT



## SERVICE MANAGEMENT

### INCIDENT MANAGEMENT

### RISK REPORTING

## SOC MONITORING TEAM / SERVICE DELIVERY TEAM

## CYBERSECURITY PROFESSIONAL SERVICES

TAILORED  
THREAT  
INTELLIGENCE

ENTERPRISE  
LOG  
MONITORING

DATABASE  
ACTIVITY  
MONITORING

DIGITAL  
FORENSICS  
SERVICES

## THREATS AND INCIDENT MANAGEMENT SERVICES

## CUSTOMISED SECURITY SERVICES

### Build Cybersecurity Programs that are Tailored to your Requirements

- Our full suite of solutions can be customised to your business needs, budgets, timeline and other regulatory conditions using a multilayered security approach.

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