DEFENCE
CATALOGUE

SINGAPORE
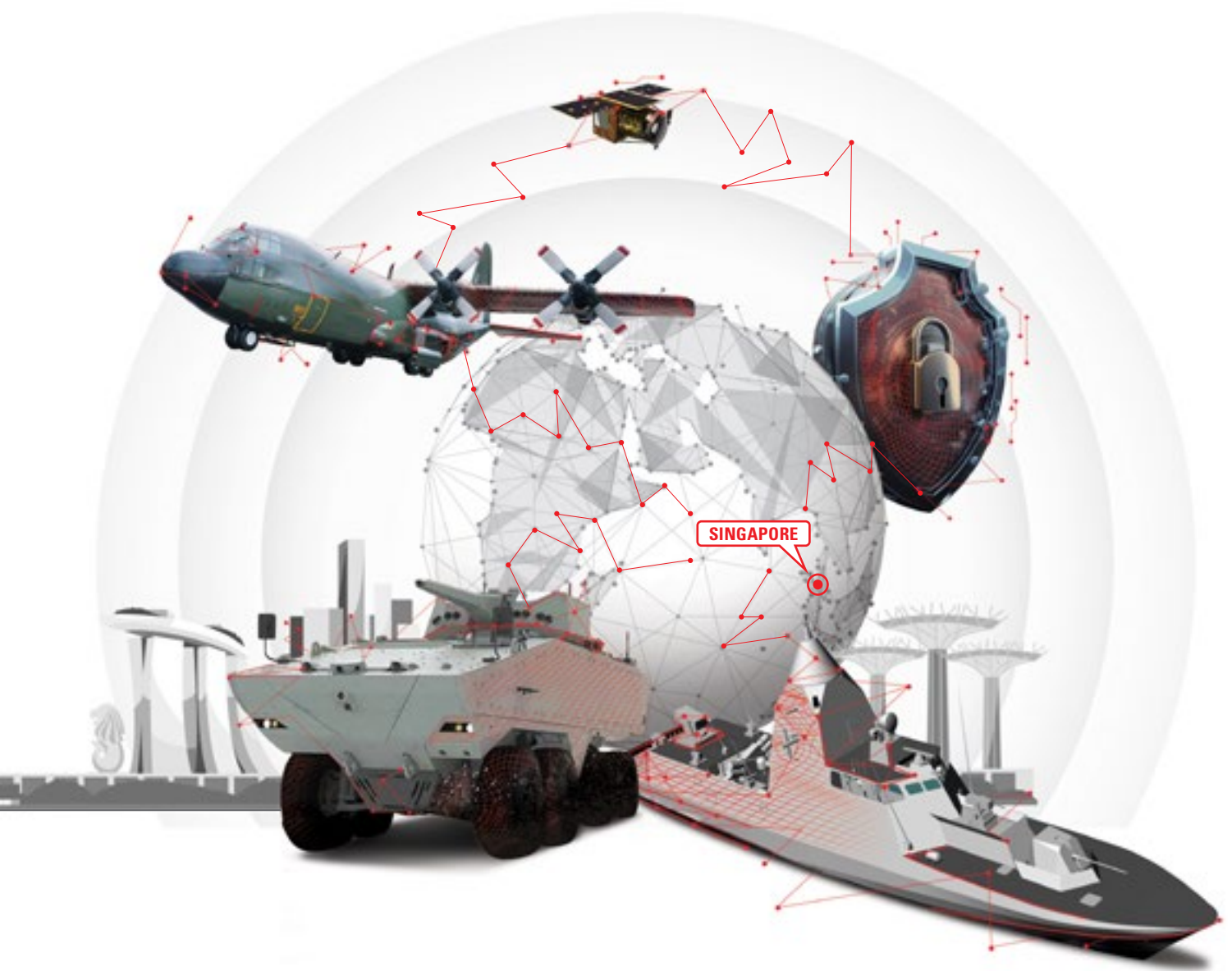
ABOUT
ST ENGINEERING
SECURING YOUR TOMORROW, TOGETHER

At ST Engineering, we apply our technology and innovation to solve real-world problems and improve lives. Our dedication to excellence and our strong track record have earned us a distinctive reputation for quality and trust as a global technology, defence and engineering group.

Our diverse portfolio of businesses spans the aerospace, smart city, digital solutions, defence and public security segments, and our global network of subsidiaries and associated companies spans Asia, Europe, the Middle East and the U.S.

We succeed because of our ability to deliver what our partners and customers need. Across the Group, we have more than 27,000 employees with diverse background and skills, including over 19,000 engineering and technical talents dedicated to solving real-world problems for our customers.

We meet every challenge with an effective and competitive response so that our customers in more than 100 countries are better prepared, better protected, and better connected for a more sustainable future.

50+
Years of Experience

100+
Countries

CONTENTS

AIR CAPABILITY

C-130 Centre of Excellence

DELIVERING TRUSTED SERVICE FOR OPERATIONAL FLEETS

We work closely with our customers to ensure mission success, wherever their operations take them.

Our deep engineering capabilities allow us to provide advanced solutions that effectively meet a wide range of evolving customer demands.

We deliver a full spectrum of solutions for fighters, transports, trainers and helicopters.

Impeccable Quality and Assured Turnaround Time

ST Engineering's C-130 Centre of Excellence (COE) is a Lockheed Martin approved C-130 service centre and a one-stop provider of MRO and engineering solutions. We are one of the few MRO facilities with Airframe, Engines, Components and Logistics capabilities under one roof, allowing us to deliver aircraft expeditiously with assured turnaround time, while ensuring quality and reliability.

- One-stop aircraft MRO & engineering hub
- Expertise in fighters, transports, trainers and helicopters
- Redelivers aircraft with quality, reliability & assured turnaround time

Click here

Maintenance

Airframe Heavy Maintenance, Structural Repair / Replacement

- Centre wing box replacement
- Component repair & overhaul
- Engine repair & overhaul
- Total Logistics Support
- Receive & launch, refuel, reconfigure & rectify

Missionisation

Role Change (To Cargo, Medevac, Fire Fighting)

- Mission systems & operational capability upgrades
- Self-protection suite
- Night vision capability
- Sensor integration

Modernisation

Avionics Modernisation & Aircraft System Upgrades

- Meet civil aviation mandates
- Glass cockpit, environment control system, auxiliary power
- Mid-life Upgrade

Flight Services

AIR CHARTER SPECIALIST

We provide specialised air charter for medical evacuation and executive travel with 24/7 customer service. Our diverse fleet, skilled pilots, in-house dispatch team, and point-to-point flight monitoring ensure top standards of safety, comfort, reliability, and security.

Unmanned Air Systems

NEXT-GEN UNMANNED SYSTEMS FOR TACTICAL SUPERIORITY

We offer a range of Unmanned Air Systems (UAS) developed to meet the evolving needs of modern defence operations. Designed for versatility and mission adaptability, our UAS platforms support a variety of roles including surveillance, reconnaissance, target acquisition, and force protection. With reliable performance and modular architecture, these systems enhance operational effectiveness across diverse mission environments—delivering critical capability where it matters most.

VELOCE
Vertical Take-off and Landing UAS

VELOCE series is a Fixed-Wing Vertical Take-off and Landing (FW VTOL) Unmanned Aerial System (UAS). It is designed to be deployed anywhere (runway and launching system independent) with a fast setup time. With its long endurance and range, it is suitable for persistent surveillance and tracking in military, and homeland security and commercial environments.

- Fast and flexible deployment
- Superior performance with long datalink range of up to 100km for Veloce 60
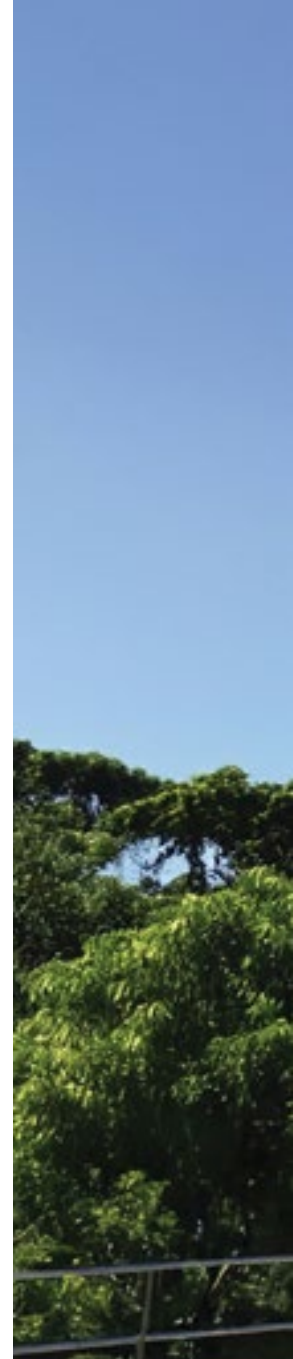
DroHub

Centralised Command & Control Hub

DroHub is an integrated and scalable command & control hub designed to manage multiple UAVs simultaneously. With smart analytics capabilities, it allows users to track concurrent missions in real-time.

- One-stop turnkey drone solution
- Autonomous and multi-role
- Advanced data video analytics capabilities

DrN-35 Series

DrN-15 Series

DroConnect

Real-time Data Distribution & Video Analytics

DroConnect is a state-of-the-art web-based portal that offers real-time UAV status updates, live video streaming, and advanced data analytics powered by Artificial Intelligence.

Click here

DroPort

Remote Charging & Docking Station

The DroPort is a secured docking station (drone-in-a-box concept) for UAs that allows permanent on-site deployment of DroNet at remote places. The DroPort enables automatic launch and recovery of the DrN-15 series UAs.

Click here

DrN-Series Drones

Vertical Take-off & Landing Aircraft Platform (VTOL)

DrN-40

The DrN series UAs are autonomous VTOL aircraft designed for Beyond Visual Line of Sight (BVLOS) operations, meeting global safety standards. They are equipped with safety features for redundancy, automatic fail-safes, collision avoidance, and meet international regulatory standards. DrN series UAs support both day and night missions, and sensors can be configured for various applications.

Click here

Land Defence Systems

PROVEN CAPABILITIES FOR MODERN MILITARIES

With decades of expertise in the development of military technology and innovative engineering solutions, our military vehicles have proven their capabilities in battlefield mobility, survivability and firepower. Our solutions include the battle-proven BRONCO All Terrain Tracked Carriers (ATTC), the highly versatile TERREX Infantry Fighting Vehicles (IFV) and the fully digitalised HUNTER family of Armoured Fighting Vehicles (AFV).

HUNTER

Armoured Fighting Vehicle (AFV)

The HUNTER AFV excels with superior firepower, enhanced survivability and mobility. As the first fully digitalised platform in its class, it features an Integrated Combat Cockpit and Integrated Battlefield Management System (iBMS), designed ergonomically for next-gen soldiers and aligned with operational requirements.

- Enhanced crew survivability and situational awareness with hull-mounted vision and independent commander's sight for an integrated all-round surveillance system enhancing closed hatch operations

- Open architecture for easy insertion of next-gen vetronics, weapons and systems technologies and upgrades

- Increased driving precision for obstacle avoidance. Smart vehicle management equipped with Health and Utilisation Monitoring System (HUMS) enhancing fleet management

Click here

TERREX

Infantry Fighting Vehicle

The 8x8 military vehicle, TERREX s5, focuses on Smartness, Superiority, Sustainability, Survivability, and Serviceability. Incorporated with a fully secured digitalised vehicle architecture and with a high-power density powertrain that is available in both Conventional & Hybrid Electric Drive, enabling unsurpassed payload capabilities in meeting future demands.

- High payload with configurable protection
- Hybrid electric drive-ready
- New generation power processor with smart capabilities

Click here

BRONCO

All Terrain Tracked Carrier for Battlefield Missions

The BRONCO excels with unmatched survivability, high payload capacity, and superior manoeuvrability in hostile environments. Fully amphibious and combat-proven, it combines robust protection with a modular rear cabin that offers mission flexibility and ease of reconfiguration—making it a reliable asset for diverse operational needs.

- All terrain, amphibious, articulated armoured vehicle
- The Warthog, which was customised for the British Army, was deployed in Afghanistan for four years, clocking more than 480,000km, and encountered 30 improvised explosive device attacks with zero fatalities
- Versatile prime mover with plug and play rear mission module

Click here

EXTREMV

All-Terrain Tracked Carrier for HADR Missions

EXTREMV, from the acclaimed BRONCO lineage, excels in versatility and reliability. This multi-tasker handles high rear payloads, serving as a personnel carrier, logistics transporter and specialty vehicle in extreme conditions — from the harsh arctic to forest fires, from disaster relief to rescue, and firefighting operations.

- Amphibious All-Terrain Tracked Carrier for harsh weather
- Versatile modular mission module
- Modern, digitised and intuitively designed interior ergonomics

Click here

RHINO NGPV

Next Generation Protected Vehicle

The RHINO NGPV is designed to meet a wide range of missions from law enforcement to armed conflict. It incorporates a fully digitised architecture with a high-power density powertrain available in both Conventional & Hybrid Electric Drive configurations, enabling unsurpassed payload capabilities. In the Hybrid Electric configuration, it has sufficient export power meeting future demands in ensuring sustained engagement in modern warfare.

- World's first hybrid electric 20T protected vehicle
- Fully digitised platform
- Supports wide range of missions

Click here

TAURUS

Unmanned Ground Vehicle (UGV)

More than just a vehicle, TAURUS, the Multi-Role UGV is a game-changing, multi-functional asset for public security and commercial applications. It excels in applications ranging from manned/unmanned logistics transport to surveillance and hazard response, medical support and rescue.

The modular design, open top deck and open architecture allows the TAURUS to be easily configured to meet any challenge. At its core, TAURUS is a fully electric platform with exportable power, making it a powerhouse in the field. While being towed to the deployment site, the platform will be regeneratively charged, ready to transform from a supporting asset to a mission-ready UGV with artificial intelligence capabilities.

- Regenerative on-the-move power hub
- Fully electric independent drive units capable of export power
- Digitalised architecture for easy insertion of autonomy or other AI modules

Click here

Hybrid Electric Drive Kit

The Central Drive Hybrid Electric Drive Kit electrifies 4x4 vehicles, extending their range and enabling power export for auxiliary uses. Its high-power capabilities support extended stealth drive and silent watch operations effectively.

- Increased export power for high energy demand payloads
- Enhanced stealth for better evasion with silent drive
- Extend range with up to 30% fuel savings

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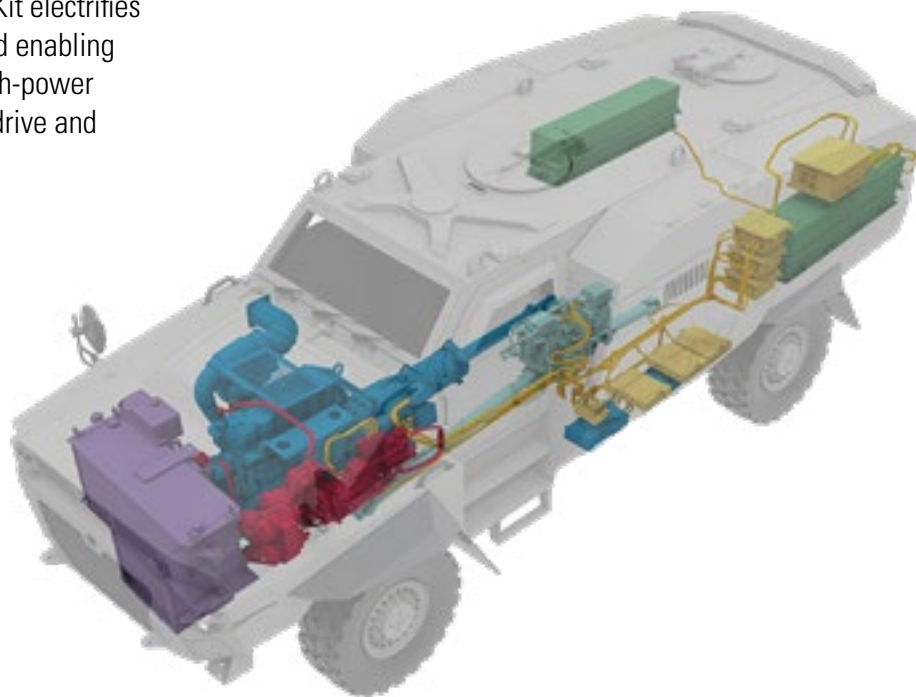
XPYDER

Hull Climbing Robot

XPYDER is a wireless, highly manoeuvrable magnetic crawler that is capable of scaling on ferritic mega structures. Its modular design enables easy reconfiguration to suit multi-mission requirements. The on-board sensors and real-time surveillance capabilities improve operator safety and enhance operational efficiency.

- Versatile for any mission profile with its modular design
- Highly manoeuvrable with magnetic tracks & tetherless deployment
- Watertight design with IPX8 ingress protection

Defence Platform Electronics

DOMINATE MISSION-CRITICAL ENVIRONMENT

We seamlessly integrate advanced C4ISR with cybersecurity systems. This equips friendly manoeuvre force with 'see-through' vision system for 360-degree Enhanced Situation Awareness (ESA) views to enable fighting units to operate as a single collaborative networked force.

Comms-on-the-Move

Uninterrupted satellite coverage for mobile platforms

Vehicular Integrated Communications System

Open architecture digital backbone that unifies voice, data, and radio networks

Fusion Camera

Digital Video Control Unit

Integrated Driver Display Panels

Modular Computing Server

Designed to enable AI, computing, networking, and video processing at the edge
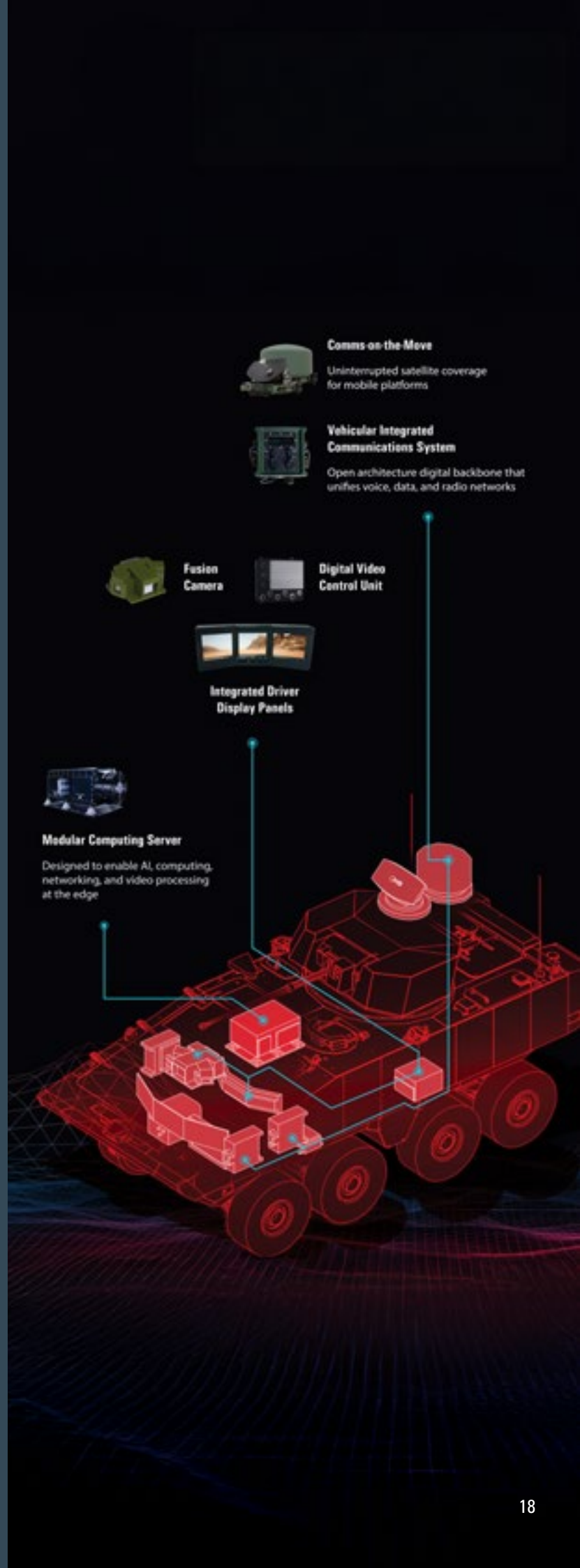
Vehicular Integrated Communication Systems

Vehicular Integrated Communication Systems (VICS) is a versatile, rugged and reliable integrated communications and network solution for military and paramilitary applications in harsh tactical and mobile environments.

It is suitable for deployment on both wheeled and tracked combat vehicles, as well as naval / maritime vessels. VICS is a full IP system that facilitates the convergence of voice and data services for cooperative engagement in mission-critical operations.

VICS enables a high-speed tactical network for mission-critical communications and leverages an open vehicle architecture for easy integration.

- Tactical network for digital transformation
- High-speed tactical network for mission-critical communications
- Open vehicle architecture for easy integration

Click here

MIL-SPEC Vehicular Computers and Displays

This comprehensive range of rugged, vehicle-mountable computers and displays is designed to support the most demanding Command, Control, Communications, and Computer (C4) applications in the field.

Equipped with the latest processors, customisable interfaces, and comprehensive connectivity options, as well as advanced power management, these systems offer optimal processing power for the limited space in your vehicles.

Powerful and robust, they are designed and tested to meet stringent MIL-STD-810 and MIL-STD-461 standards, making them ideal for extreme conditions in tracked and wheeled vehicles.

- Developed for demanding C4 applications
- Ideal for use in tracked and wheeled vehicles
- Operates on low power consumption and can be mounted on vehicles for space optimisation

Click here

SATCOM Integrated Module

The SATCOM Integrated Module (SIM) provides a one-stop comprehensive baseband solution to work with any preferred Very Small Aperture Terminal (VSAT).

SIM integrates the iDirect modem, RF modules and Network Switches in a ruggedised environmentally protected enclosure chassis in a compact form factor. Designed to operate under harsh environmental conditions, the antenna can withstand temperatures ranging from -25°C to +55°C with up to 95% humidity.

- Rapid on-demand deployment
- One-stop integrated baseband solution
- Can operate under harsh environment

Click here

Communications-on-the-move

The Communications-on-the-move (COTM) terminal provides immediate, effective and efficient satellite communications capability for on the move applications.

The COTM terminal is compact and low profile, suitable for integration on land vehicles and platforms that have height constraints.

The COTM terminal offers full automated tracking capability, enabling Beyond Line-of-sight (BLOS) seamless real-time broadband communications via GEOstationary satellites while on-the-move on.

- Immediate, effective & efficient satellite communications
- Fully automated tracking capability
- Seamless real-time broadband communications

Click here

Defence Platform Electronics

360SA
360 Situational Awareness System

360 Situational Awareness System (360SA) is an integrated vision system purpose-built for paramilitary and combat vehicles. Its all-round surveillance helps vehicle crew better sensemake and assess threats outside the vehicle, enabling driving under hatch and keeping the vehicle crew safe. 360SA consists of Fusion Cameras, Digital Video Control Unit and Integrated Driver Display Panels configurable for different mission needs. Its open system architecture allows for easy integration with other C5ISR systems to support mission decision-making. The system uses powerful at-the-edge processing to reduce latency thus enabling real-time operations with enhanced situational awareness.

- Suitable for real-time closed-hatch operations
- Highly-scalable for all vehicle classes
- Enhanced visibility

Click here

Digital Video Control Unit

The Digital Video Control Unit (DVCU) is a video processing system designed to provide views of real-time video images from cameras to the display monitor with minimal video latency. It distributes various camera input videos to be viewed on multiple displays, including the C2 Panel Computers. The ruggedised enclosure unit has multi-channel video (CVBS / SDI) receivers with multiple video outputs. Each display video is selectable using control interfaces like RS422, GigE Vision Control and Discrete I/O.

Click here

Integrated Driver Display Panel

The Integrated Driver Display Panel (IDDP) improves driver vision and enables safe manoeuvring of the vehicle. Vehicle dashboard symbols displayed on the screen provide driver with vehicle status information while keeping their eyes on the road. Markers on the screen allow drivers to navigate safely around obstacles near the vehicle. Cameras mounted on various positions reduce vehicle blind spots. Views on the screen can be easily selected based on the vehicle's (forward or reverse) gear shift or changed manually.
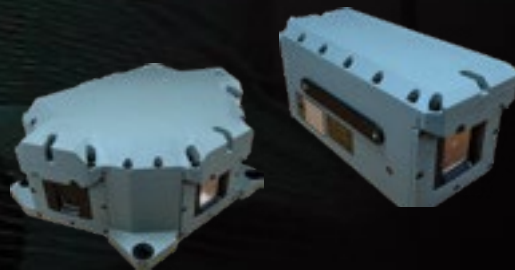
Click here

Fusion Cameras
Fusion Driver Sight

The Fusion Driver Sight is a suite of ruggedised MIL-SPEC cameras designed to operate in the harshest conditions for tracked or wheeled armoured vehicles. It boosts survivability by improving visibility in sandy, smoky or foggy conditions. The Fusion camera houses uncooled VOx Microbolometer thermal sensor that is fused with a day-camera based on state-of-the-art optics design to provide real-time fusion. The 3-in-1 Fusion camera provides a seamlessly stitched wide-angle view in a compact form-factor that reduces blind spots with increased field-of-view.

Click here

iBMS
Integrated Battlefield Management System

A tactical system that connects the entire battalion, linking platforms to individual soldiers for shared situational awareness and collaborative engagements, creating a force multiplier effect to achieve a networked force for a common and relevant operating picture.

- Allows the vehicle commander and the gunner to operate the vehicle using a common set of controls

- Allows the crew to operate with a modernised soldier-centric combat user interface (UI) design for improved operational effectiveness

- Provides collaboration tools that allow commanders to participate in mission planning, fast collaborative targeting, and engagement capabilities

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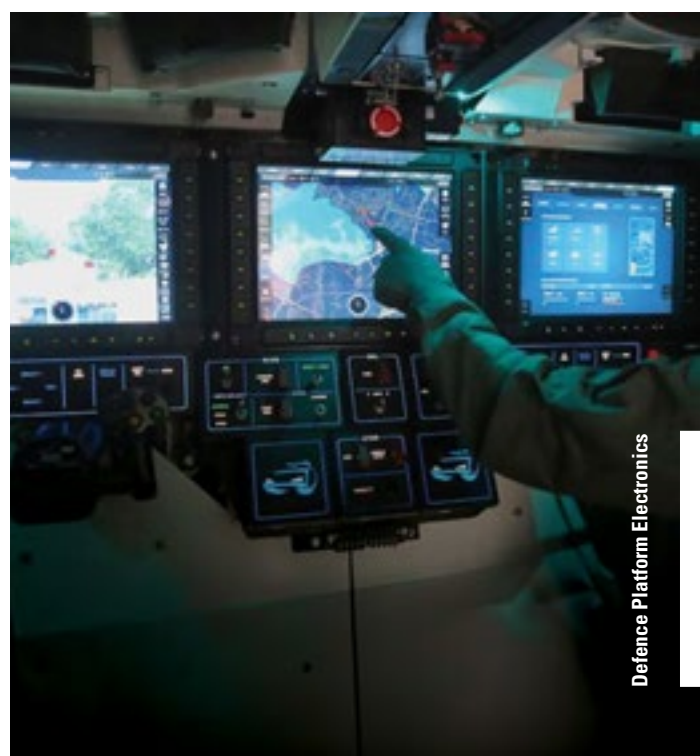
Defence Platform Electronics

Smart Vehicle Solutions

INNOVATIVE ELECTRONIC SYSTEMS

In the current evolving AI and Data revolution world, Smart Vehicle Solutions provide the "Brain" and "Eyes" to the platform. It is positioned to rejuvenate the vehicle with innovative products that transform operational workflows, enhance driving experience, and greatly reduce crew cognitive loading.

Smart Vision Suite

High Clarity Images in Extreme Low Light Conditions

The Smart Vision Suite integrates seamlessly onto platforms, enhancing object detection, identification, and situational awareness. Using AI and Machine Learning, it provides high-clarity images in extreme low-light conditions with low latency. AI models are trained on custom datasets for optimal responsiveness and accuracy in real-time analytics.

Smart Digitalisation Suite

Modernisation of Vehicle Smartness

The Smart Digitisation Suite, rapidly modernises platforms by consolidating digital data into a customised Graphical User Interface (GUI), resulting in a digital vehicle dashboard for enhanced driving experience. Featuring a MOSFET solid-state power controller for precise current feedback and fast tripping to protect equipment, the solution is scalable for rapid deployment or platform upgrades to meet urgent operational requirements.

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Weapons & Munitions

TOTAL SOLUTION FOR MULTIPLE SCENARIOS

Our comprehensive range of weapons systems combines technological excellence, reliability, and adaptability to address the evolving challenges faced by armed forces and security agencies. With a commitment to innovation and performance, We continue to shape the future of modern warfare and defence.

Rifles

5.56MM SAR21

Faced with a variety of mission sets, soldiers have a greater need to switch up their equipment on personal weapon systems. Based on the proven SAR21 rifle, the SAR21 Modular Mounting System (MMS) offers the soldiers increased flexibility in options for mounting accessories. Light and compact, the SAR21 MMS offers outstanding manoeuvrability in tight spaces. Internally, the simple design reduces the number of components for disassembly, cleaning, and maintenance. Its low recoil mechanism allows for better stability and controllability during firing. Lots of options, in a small and reliable package.

Variants include:
SAR21 Modular Mounting System (MMS), SAR21 Light Weight Carbine (LWC), SAR21 with Under Barrel 40mm Grenade Launcher.

Click here

Machine Guns

5.56MM ULTIMAX 100 MK8

One of the world's lightest machine guns that can be fired from a drum and reloaded on the move, ULTIMAX 100 Mk8 is extremely accurate due to its constant recoil system for greater controllability. Featuring a foldable, retractable buttstock with adjustable height, an open-bolt system that prevents ammunition cook-off and a trigger safety mechanism, ULTIMAX 100 Mk8 is compatible with various magazine types such as the M16-type and SAR21-type box magazines, 100 rounds C-MAG and ULTIMAX 100 drum magazine.

Variants include:
ULTIMAX 100 Mk8 Standard, ULTIMAX 100 Mk8 Carbine.

Click here

7.62MM GENERAL PURPOSE MACHINE GUN (GPMG)

The 7.62mm GPMG is a fully automatic, air-cooled, belt-fed, gas-operated weapon with a simple modular construction and disassembly procedure, making it the weapon of choice for military and paramilitary forces.

Click here

12.7MM 50MG

The 50MG quick-change barrel with fixed headspace can be changed in one action without any tools, in just seconds. It also has a left / right hand feeding system for fast switching of ammunition types, an open-bolt mechanism, and semi and automatic firing modes. Multiple mounting options such as the M3 tripod, Pedestal Mount, 40/50 Cupola Weapon Station, Remote Weapon Station and Ring Mount are also available.

Click here

Grenade Launchers

40MM AUTOMATIC GRENADE LAUNCHER (40AGL) MK2

Designed to fire 40mm high velocity ammunition, 40AGL Mk2 has multiple safety features such as Charging safety and Bolt Lock safety and a simple modular assembly for easy maintenance. It can be enhanced with various sight and mounting options, such as Reflex Sight, Lock and Fire Mount and Softmount to meet different tactical applications.

Click here

40MM GRENADE LAUNCHER (40GL) MK1

Designed to fire 40mm low velocity and low velocity extended range grenades, 40GL Mk1 features a patented drop down barrel design for quick loading / unloading of ammunition, and a double-action trigger mechanism that activates and releases the hammer in a single trigger pull. 40GL Mk1 is lightweight and versatile – it can be easily configured as an under barrel or stand-alone grenade launcher without any tools, or fitted with a Fire Control System for air burst programming.

Click here

ADDER Remote Weapon Systems

The ADDER family of high-performance Remote Weapon Stations (RWS) offers versatile configurations for diverse operations. Platform-agnostic, ADDER features a unified C4I architecture for integration on both manned and unmanned land vehicles and sea vessels.

- Platform-agnostic, highly adaptable for all platforms
- Auto detection and smart target tracking
- Easily configurable to any consoles or handheld operator control unit with adaptable controls

27

Mortars

120MM SUPER RAPID ADVANCED MORTAR SYSTEM (SRAMS) MK2

The 120mm SRAMS Mk2 is an advanced mortar system with less than 30 tonnes of recoil force, a 10 km range, and full operational flexibility. It features improved traversing, easy vehicle integration, digitalised capabilities for Multiple Round Simultaneous Impact (MRSI), and integration with our iBMS for situational awareness and fire mission execution.

- Patented Blast Diffuser
- Full electric system for ease of integration
- Platform Agnostic

Click here

GROUND DEPLOYED ADVANCED MORTAR SYSTEM (GDAMS)

The GDAMS is a state-of-the-art, lightweight mortar system designed for commercial and military vehicles. Integrated with our in-house Fire Control System (FCS) and iBMS, it offers cost-effective, mobile indirect fire capabilities using 120mm mortar rounds. It features rapid deployment, enhanced crew safety, and compatibility with 81mm mortar systems.

- Light-weight ground deployed mortar system
- Ease of integration on light wheeled platforms
- Equipped with in-house fire control system for seamless digitised mission execution

Click here

ADDER 30

ADDER Lite

ADDER Twin

Click here

Ammunition

COMPREHENSIVE AMMUNITION SOLUTIONS

Our product portfolio includes small, medium & large calibre ammunition and pyrotechnics & explosive equipment. ST Engineering's ammunition solutions are recognised for their precision engineering, rigorous quality control, and adherence to international standards. Driven by a commitment to innovation and continuous improvement, we remain at the forefront of ammunition development, offering cutting-edge solutions to armed forces and security agencies worldwide.

Small Calibre Ammunition

We offer a comprehensive range of small calibre ammunition, designed for precision and reliability in various firearms. These rounds are carefully crafted to deliver consistent performance, ensuring optimal accuracy and effectiveness in the field. With a focus on innovation and quality, ST Engineering's small calibre ammunition meets the stringent standards demanded by military and law enforcement agencies.

Click here

- **5.56mm**
- **7.62mm**
- **0.5 inch**

Medium Calibre Ammunition

- **40mm Low Velocity**
- **40mm Low Velocity Extended Range**
- **40mm High Velocity**

We provide medium calibre ammunition solutions that are specifically engineered for advanced combat systems and platforms. Designed to meet the demanding requirements of modern warfare, these rounds offer superior ballistics, penetration capabilities, and lethality. Our medium calibre ammunition is renowned for its accuracy, reliability, and compatibility with a wide range of weapon systems.

Click here

Large Calibre Ammunition

- **60mm**
- **81mm**
- **120mm**
- **155mm**

Our large calibre ammunition is tailored for heavy artillery, tank guns, and other high calibre weapon systems. These munitions are meticulously manufactured to deliver maximum impact and destructive power, providing critical support to ground forces in combat scenarios. With a focus on precision engineering and quality control, We ensure our large calibre ammunition meets the highest performance and safety standards.

Click here

Pyrotechnics & Explosives

- **Smoke - Signalling**
- **Smoke - Screening**
- **Fragmentation**
- **Training & Simulation**
- **Signal, Flare & Illumination**

We offer a comprehensive range of pyrotechnics and explosives for military applications. These products include signaling devices, smoke grenades, demolitions, and other specialised explosives. Our pyrotechnics and explosives are designed to provide effective solutions for missions such as tactical signaling, training exercises, and special operations. We prioritise safety and reliability, ensuring that their pyrotechnics and explosives meet rigorous quality standards.

Less-Than-Lethal

- **40mm Less-Than-Lethal**
  40 x 46mm Air-Bursting Multi Pellet LV

- **Smoke - CS Tear Gas**
  White, CS Tear Gas Flameless
  Cs Tear Gas Multi-pellet, Bursting
  Cs Tear Gas

Click here

Ammunition

Integrated Soldier Systems

FOR THE FUTURE BATTLEFIELD

As the future battlefield becomes increasingly complex, constant modernisation and innovations in combat technologies will help warfighters in maximising combat effectiveness and achieving force multiplier effect. These innovations will be scalable, modular and able to integrate with existing personnel and weapons.

Our innovative Integrated Soldier Systems (ISS) are designed for world-class warfighters of tomorrow, enhancing their capabilities:

- Cognitive superiority
- Manned-Unmanned teaming
- Enhanced survivability
- Smart lethality

From intelligent solutions that allow us to augment the existing weapon system and create a coordinated network of soldiers, to equipment that increases survivability without compromising agility, we have what it takes to give future warfighters the decisive edge on the digital battlefield.

Product offerings from each of the four capabilities work in tandem as part of the force-multiplier effect. This allows future warfighters to execute missions with unmatched intelligence, lethality, survivability, and tactical edge over adversaries.

Click here

PROTEC

Issues such as poor heat dissipation, poor fit, and imbalanced weight distribution will decrease the combat effectiveness and sustainability of soldiers out in the field. Our Personal Reinforced Outer Tactical Equipment Carrier (PROTEC) is designed to be lightweight, modular, and scalable.

PLATE

Ballistic protections provide superior protection for armed conflicts, but some are unnecessarily bulky and heavy, thereby compromising the soldier's physical performance. Besides providing superior protection, the Personal Lightweight Armour Technology (PLATE) is ergonomically designed to prevent obstruction to manoeuvrability through hostile terrains. PLATE is also designed to be lightweight to minimise its contribution to the overall load borne by the soldier.

ProLITE BELT

Most belts on the market feature multiple subcomponents designed to accommodate different body proportions and functions. Users may find the belt to be counter-intuitive to use. Our ProLITE belt addresses the problem by having a streamlined user-centric design that stays snug fit and comfortable during dynamic movements without compromising load-bearing capacity.

TITAN LAMINATE

There are various fabric options and processes available in the market that increase carrying capacity and durability. However, those often come with downsides such as increased weight, being aesthetically bulky, and being uncomfortable to wear for a prolonged period. Hence, we developed TITAN, our proprietary lightweight laminate fabric that is suitable for everyday outdoor and tactical use. Products made using TITAN laminate sports a low-profile look, provides high-strength performance, and is lightweight.

ARES Micro-UAV

ARES Micro Unmanned Aerial Vehicle (UAV) is a squad last-mile surveillance and intelligence gathering system designed for operations within the urban terrain.

- Operable in GPS-denied indoor environment
- Ease of operation, collision tolerant.
- Intuitive control, rapid deployment

EasyEXO

EasyExo offers crucial support and protection during demanding physical activities. Engineered to withstand the rigors of physical operations, it features flexible straps and durable materials that ensure a secure and comfortable fit.

- Provides musculoskeletal support during lifting or bending to ensure correct posture and reduce strain on the back
- Lightweight & Durable
- Comfortable Fit

Maintenance, Repair & Overhaul (MRO) & Services

MISSION READY 24/7

As an integrated MRO service provider, we offer comprehensive asset lifecycle support designed to enhance availability and operational readiness. Our solutions range from field service support to maintenance tasks such as service life extension programmes.

We deploy digitalisation, advanced analytics and artificial intelligence solutions, enabling complete visibility and control over critical assets to improve productivity, quality and safety.

Click here

Platform MRO

Keeping Assets Operational

We offer a comprehensive suite of services for >100 tracked, wheeled, and armament platforms, tailored to ensure peak performance and availability. From preventive and corrective maintenance to overhauls, we provide solutions to keep assets operational and mission-ready through Smart MRO technologies. Our expertise extends to spares supply, preservation, and service life extension.

Component MRO

Providing Innovative Engineering Solutions

We specialise in the upkeep of mechanical, hydraulic, and electronic systems, offering a range of tailored services to ensure reliability of >1,800 components across diverse industries. Our MRO expertise extends to innovative engineering solutions such as engine remanufacturing, customised tester development and re-engineering to address obsolescence.

Workshop & Asset Digitalisation

Leveraging Latest Technologies

We streamline processes and enhance operational efficiency through workflow digitalisation and automation solutions. We enable proactive maintenance strategies for assets by incorporating IoT-enabled health monitoring and fleet management systems.

AI-driven Analytics

Making Data-driven Decisions

We enable informed decision making through application of predictive maintenance and supply chain analytics, which empowers anticipation of maintenance requirements to improve asset availability. We conduct failure analysis to pinpoint root causes and implement preventive measures, thereby enhancing asset reliability, operational efficiency, and reduce total cost of ownership.

Maintenance, Repair & Overhaul (MRO) & Services

We Keep
The Seas Safe

Backed by more than 50 years of experience, we are one of the world's leading providers of turnkey shipbuilding, repair and conversion services for naval vessels. Our well-equipped shipyards in Singapore provide specialised and comprehensive services to support the end-to-end lifecycle of vessels.

Maritime Security Naval Vessels

Our Maritime Security Naval Vessels are equipped to safeguard national waters and critical maritime assets. Built for versatility, endurance, and rapid response, it supports a wide range of operations from coastal patrol and interdiction to surveillance, humanitarian assistance, and maritime domain awareness.

Vanguard-Class Multi-Role Vessel

The Vanguard-Class Multi-Role Combatant is a versatile, multi-mission platform designed for lean manning. Integrating advanced digital technologies, it enables faster, smarter, and more autonomous operations—delivering the capability of a large combatant with the crew size of a coastal defender.

- Scalable hull form
- Common design & equipment
- Integrated mast
- Integrated ship management system and sensemaking
- Modular payloads with a mission bay
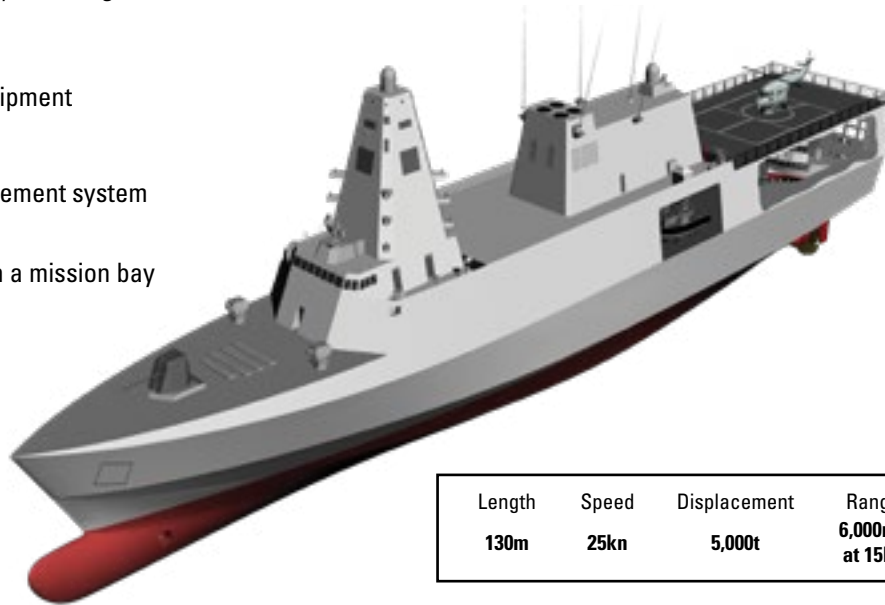
Click here

Length	Speed	Displacement	Range	Operation
130m	25kn	5,000t	6,000nm at 15kn	Up to Sea State 6

Formidable-Class Frigate

Our Formidable-Class Frigate multi-role stealth frigates are advanced, multi-mission vessels designed to execute a wide range of operational missions at sea with precision and efficiency.

Click here

Victory-Class Missile Corvette

Victory-Class Missile Corvette are trusty steeds for the Republic of Singapore Navy, renowned for their high speed and versatility in protecting Singapore waters.

- Proven platform
- High weapon capacity
- Flexible weapon fit
- Improved habitality

Length	Speed	Displacement	Range
62m	In excess of 30kn	530t	2,000nm

Humanitarian and Disaster Recovery Naval Vessels

Our Humanitarian and Disaster Recovery (HADR) Naval Vessels are specially designed to support rapid deployment in emergencies - whether natural disasters, humanitarian crises, or civil defence operations. Built for versatility, self-sufficiency, and rapid scalability, these vessels are key enablers in national resilience and regional stability efforts.

Endurance-Class Landing Platform Dock

The Endurance-Class Landing Plaform Dock is a proven multi-purpose and multi-role vessel designed and built in-house. Capable of both vertical (helicopters) and surface (including our Brave class ship-to-shore connectors) lift operations, coupled with their great endurance, these vessels provide afloat command, logistic hub capability, and the ability to deploy both personnel and equipment to areas affected by natural disasters. We have delivered four Endurance 140 vessels to the Republic of Singapore Navy and one to the Royal Thai Navy. Always Ready, Mission Ready.

- Cockpit bridge
- Well dock
- Bow door
- Landing spot for 2 MH

Length	Speed	Displacement	Range
141m	In excess of 15kn	6,000t	5,000nm

Click here

Brave-Class Ship-to-Shore Connector

Our Brave-Class Ship-to-Shore Connector specialises in aiding disaster and relief operations, transporting both personnel and heavy equipment between a landing platform and shore.

- High carrying capacity
- Shallow water operations
- Bow ramp

Length	Speed	Displacement	Range
47m	15-25kn	150t	500nm at 15kn

Click here

Fast Craft Utility

The Fast Craft Utility is a high-speed shallow draft vessel capable of carrying passengers or wheeled/tracked vehicle(s) of up to 18 tonnes. It is designed to be able to beach and retract fully laden on typical sandy shores.

- High carrying capacity
- Shallow water operation
- Bow ramp

Length	Speed	Displacement	Range
23m	25kn	47t	180nm

Click here

Angthong-Class LPD

The Angthong-Class LPD is a proven model of the Endurance Class Landing Platform Dock developed for the Royal Thai Navy.

- Cockpit bridge
- Well dock
- Side door

Length	Speed	Displacement	Range
141m	In excess of 15kn	6,000t	5,000nm

Click here

49m Landing Craft

The Landing and Supply Craft series is a robust design to enable shore-to-shore transportation of assets, featuring propulsion options such as conventional fixed-pitch or controllable-pitch propellers in kort nozzles or water jets.

- High carrying capacity
- Shallow water operation
- Bow ramp

Length	Speed	Displacement	Range
49m	12kn	300t	2,000nm

Click here

13m Fast Craft Equipment and Personnel

Fast Craft Equipment and Personnel Vessel
The Fast Craft Equipment and Personnel (FCEP) Vessel is a high-speed shallow draft landing craft capable of carrying passengers such as a platoon of troops in full battle gear. It is designed to be able to beach and retract fully laden on typical sandy shores.

- High carrying capacity
- Shallow water operation
- Bow ramp

Length	Speed	Displacement	Range
13.6m	25kn	14t	150nm

Click here

32m Fast Interceptor Boat

The 32m fast interceptor vessel enhances maritime security, responds quickly to maritime threats and border violations.

- Top speed at 50 knots
- Swift and agile, highly manoeuvrable
- Sustained operations in higher sea states

Length	Speed	Displacement	Range
32m	50kn	100t	300 to 500nm

Patrol Vessels

Our Patrol Vessels are purpose-built to deliver exceptional performance in coastal and offshore security operations. Designed with flexibility, durability, and ease of operation in mind, these vessels are ideal for navies, coast guards, and maritime enforcement agencies.

Independence-Class Littoral Mission Vessel

Our Independence-Class Littoral Mission Vessel features a one-of-a-kind integrated command centre which co-locates the vessel's bridge, combat information centre and machinery control spaces, integrating and synergising the management of navigation, engineering, and combat functions to achieve greater operational effectiveness and efficiency, especially during maritime security operations.

- Stack mast
- Integrated CIC and bridge
- Support MH resupply
- Carry modular payloads
- Optimal crew manning

Length	Speed	Displacement	Range
80m	In excess of 27kn	1,250t	3,500nm

Click here

Fearless-Class Vessel

Built for all-round operations, our Fearless-Class patrol vessels are equipped with twin high-speed diesel engines and quad fixed pitch propellers for propulsion. Designed for prolonged operations, it is suitable for safety and security operations in coastal areas and follows naval classification rules.

- Water jet propulsion
- Highly manoeuvrable

Length	Speed	Displacement	Range
55m	In excess of 20kn	525t	Over 1,800nm

Click here

Falaj 3-Class Patrol Vessel

The Falaj 3-Class is a highly versatile and reliable offshore patrol vessel, suitable for carrying out a wide range of missions including maritime security and search and rescue operations.

- Highly manoeuvrable
- Flight deck x 1 MH
- High weapon capacity
- High speed

Click here

Length	Speed	Displacement	Range	Operation
62.7m	26.5kn	680t	2,000nm at 16kn	Up to Sea State 5

Al-Ofouq-Class Patrol Vessel

We delivered Al-Ofouq-Class Patrol Vessels to the Royal Navy of Oman for a range of maritime and homeland security missions, such as surveillance and extended patrols. This series is an adaptation of our Fearless-Class Patrol Vessels built for the Republic of Singapore Navy.

- Highly manoeuvrable
- Flight deck x 1 MH
- High weapon capacity

Length	Speed	Displacement	Range
75m	27kn	1,300t	3,000nm at 16kn

Click here

Maritime Safety & Security

Our Maritime Safety and Security Vessels are purpose-designed to ensure the protection of national waters, safeguard critical maritime infrastructure, and support civilian maritime safety missions. Built on proven naval engineering expertise, these vessels offer high agility, integrated surveillance, and mission-specific modularity.

Heavy Firefighting Vessel

The world's first firefighting (fifi) vessel certified to conduct Fifi 3 operations, our Heavy Firefighting Vessel comes with Dynamic Positioning capabilities and is adept at tackling Chemical, Biological, Radiological and Nuclear (CBRN) incidents and perform sea rescue operations.

In 2022, we introduced the 2nd Generation Heavy Firefighting Vessel fitted with enhanced features in keeping homeland waters safe.

- World's most powerful
- High speed
- High rescue capacity
- Mini UAV capable

Click here

Length	Speed	Displacement	Range	Operation
50m	20kn	600t	500nm at 15kn	Up to Sea State 5

35m Medium Fire Vessel

The Medium Fire Vessel is designed and equipped for agility and swift response for maritime firefighting and rescue operation combined with Chemical, Biological, Radiological (CBR) protection.

- High speed for rapid response
- High rescue capacity
- Swift and agile, highly manoeuvrable with powerful jet propulsions
- NERVA Ship Management System is customised to enhance user experience with high levels of automation and open architecture design

Length	Speed	Displacement	Range
35m	30kn	200t	500nm

- Ultra high speed
- Tethered UAV capable
- Highly manoeuvrable
- Failure prediction
- Optimised bridge design

Super Swift Patrol Boat

The Super Swift series is a range of ultra-high speed Fast Patrol Boats (FPB) designed for interdiction, interception and patrolling. The Super Swift series has exceptionally high seakeeping and manoeuvring abilities and is best suited for activities such as pursuit and arrest, search and rescue, offshore patrolling and escort, surveillance and covert surveillance, as well as border patrol.

5th Generation Patrol Boat
Derived from our Super Swift series of fast patrol boat, the 5th Generation Patrol Boat is capable of high-speed operations, swift manoeuvrability and enhanced crew habitability for all weather operation in Singapore territorial waters, including pursuit and arrest, coastal surveillance and force protection, harbour patrol operations and security, and search and rescue.

Click here

Length	Speed	Displacement	Range
23m	55kn	57t	-

Unmanned Surface Vessels (USVs)

We design and build Unmanned Surface Vessels (USV) equipped for a wide range of missions. Built with the latest technologies in autonomy, navigation, and remove operations, our USVs provide robust performance with mission adaptability.

Click here

12M Policing USV

ST Engineering's Policing USV is a versatile unmanned surface vessel designed for maritime law enforcement.

- Autonomous Manoeuvring, Collision Detection & Collision Avoidance
- Autonomous and Remote Communications System Enabled
- Autonomous Berthing
- Dynamic Positioning
- Health monitoring of platform machineries
- Integrated Shore Operator Control Station
- Predictive Diagnostics on Platform Machineries

Click here

15M Firefighting USV

Our 15M Firefighting Unmanned Surface Vessel features a high-speed catamaran hull and operates independently or with a mothership. Designed for search and firefighting missions, it supports modular payloads and leverages predictive diagnostics, condition-based maintenance, and decision support systems for minimal-supervision operations and mission adaptability.

- Autonomous Manoeuvring, Collision Detection & Collision Avoidance
- Autonomous and Remote Communications System Enabled
- Autonomous Berthing
- Dynamic Positioning

- Health monitoring of platform machineries
- Integrated Shore Operator Control Station
- Predictive Diagnostics on Platform Machineries

Length	Speed	Displacement	Range	Operation
18m	**35kn**	**35t**	**700nm**	**Up to Sea State 3**

18M All-Purpose USV

- High Speed
- Modular payload
- Auto berthing capabilities
- Dynamic station keeping and positioning
- Large payload deck up to 5 tonnes

Unmanned Surface Vessels (USVs)

VENUS Unmanned Surface Vessel (USV)

Highly customisable, the VENUS USV is designed to meet the growing need for USV reconfiguration to perform autonomous missions. It is equipped with a wide range of sensors, including a combination of electro-optical and radar sensors, that allows safe autonomous navigation in a dense maritime environment. Its modular approach allows different mission modules to be integrated with the USV to accomodate various commercial and public safety & security applications.

- Multi-mission capability
- Rapid reaction
- Ease of maintenance
- Designed for both manned and unmanned operations

Click here

MERCURY Autonomous Underwater Vehicle (AUV)

The modular MERCURY AUV is designed and tested to operate in littoral and congested maritime environments. Armed with advanced sensors, navigation and communication features, it captures and processes high quality seabed data with full mission autonomy. Configurable for a range of customised underwater applications, it can be deployed for autonomous mission needs such as Mine Counter Measures (MCM), as well as underwater survey and inspection.

- Modular design allowing configurable payload and battery length
- Capable of detecting partially buried items
- Automatic target recognition

Click here
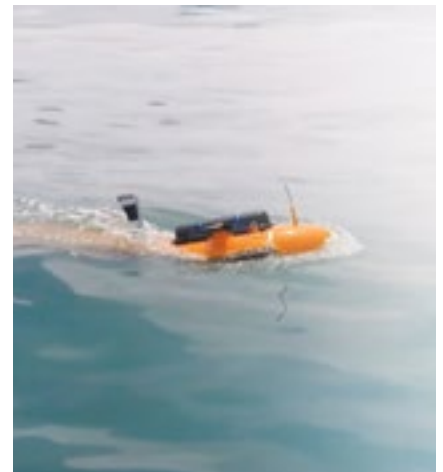
JUPITER Autonomous Solar-Powered Vessel

Equipped with a solar roof containing 2KWh of solar estate, the JUPITER ASPV can power its entire system by efficiently charging onboard batteries with zero carbon emissions and reducing >3,150L of diesel and 12.4 metric tonnes of CO_2 per year. By enabling 8 hours of continuous operations, it saves 8 worker hours per day. It has modular payloads available for various applications, including flotsam retrival (marine debris), aquatic plants clearance, as well as water quality sampling and monitoring.

- Designed for multiple applications
- Fully solar powered and electric
- Autonomous operations
- Zero emissions

Click here

Unmanned Solutions

REDEFINING SAFER MARITIME OPERATIONS

Building on our experience in the design and development of unmanned vessels, we develop autonomous vessels that ease manpower constraints, improve operational efficiencies and keep seas safe without risking our personnel's lives.

AUTONOMAST™

All-in-One Modular Autonomy Kit

The AUTONOMAST™ is an all-in-one modular autonomy kit that converts manned vessels to unmanned vessels for autonomous navigation. It is suited for the defence, maritime security, oil and gas, windfarm, firefighting and shipping industries. With >15 years of USV development and operationalisation track records and >57,000hrs of autonomous USV operations, we enable vessels to manoeuvre autonomously, intelligently and safely at sea.

Navigation Autonomy

- Waypoint following with Collision Detection and Collision Avoidance (CDCA) function
- Industry-first autonomous berthing
- Energy efficient digital anchoring

Platform Autonomy

- Automatic vessel health monitoring & reporting
- Automatic fire detection & suppression
- Automatic intruder detection & reporting

Mission Autonomy

- Lawn mowing for search & rescue
- Block & screen manoeuvre for Key Installations (KINS) protection, escorting of high value asset

Collaborative Autonomy

- Manned and unmanned teaming capability (e.g. manned fire command boat operates at a safe distance and an unmanned firefighting vessel handles close-in firefighting)
- Logistics sea train manoeuvre

Unmanned Solutions

Next Generation Ship Management System

SET SAIL INTO THE FUTURE OF INTELLIGENT SHIP MANAGEMENT

Our Next Generation Ship Management System (SMS) delivers an advanced, AI-driven platform for centralised control and monitoring of platform systems.

Featuring five specialised modules, the Next Generation SMS equipes maritime operators with robust tools for instant analytics and predictive reporting, and is designed to enhance maritime safety, operational efficiency, and vessel performance.

Click here

Pulse

Pulse proactively monitors onboard equipment health, generating predictions of equipment maintenance timelines and actionable recommendations for preventive maintenance.

Watch

Watch leverages AI and computer vision technology to analyse real-time footage across your vessel, instantly detecting unusual events such as unauthorised entries or operational anomalies, enhancing onboard safety and security.
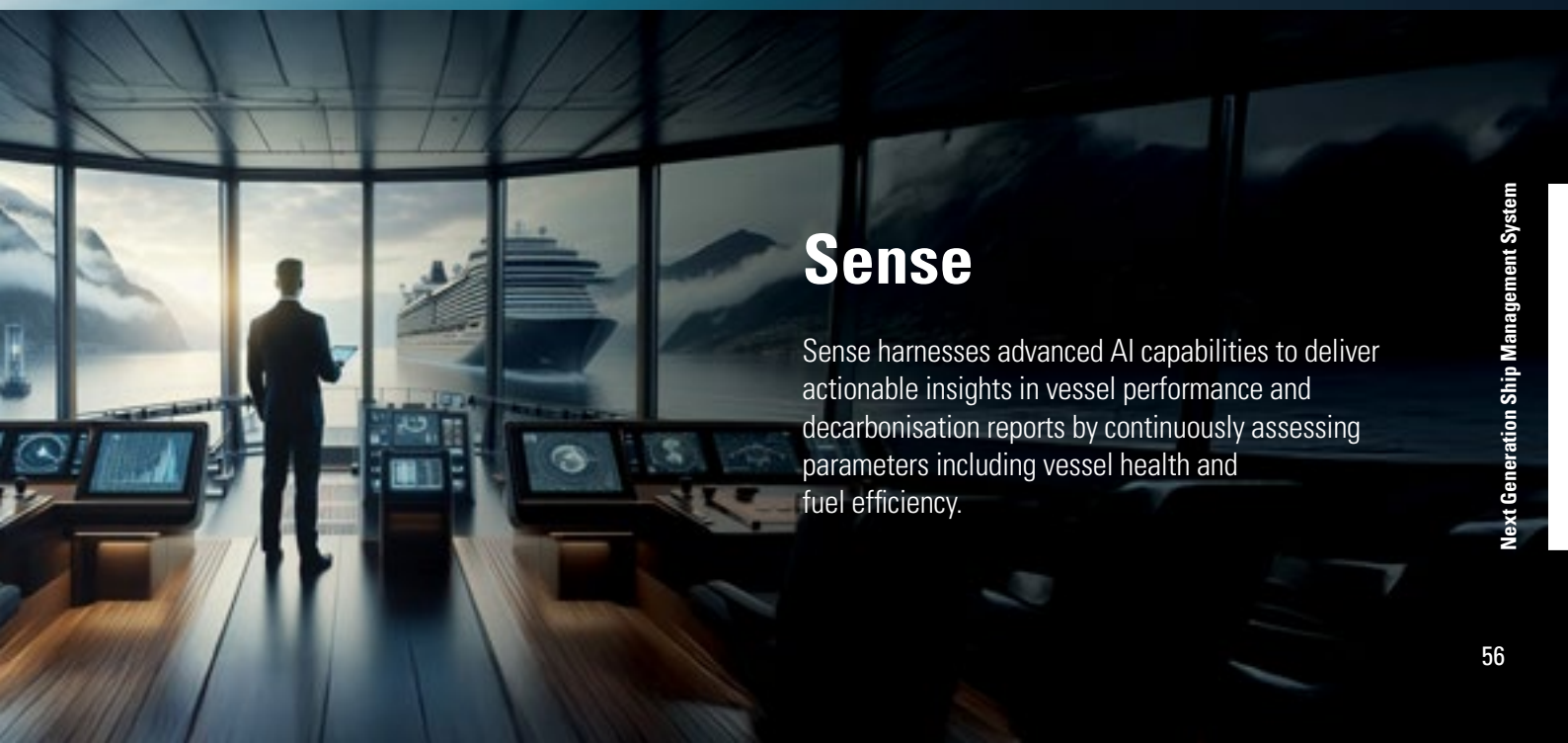
Sight

Sight revolutionises sea trial reporting with automated, instantaneous analytics. Generate detailed reports on critical vessel performance parameters such as turning diameter, stopping distance, and other essential manoeuvring metrics.

Scribe

Scribe aggregates driving and incident data into fleet-wide safety scores for benchmarking, along with detailed incident reconstruction, presented in an intuitive report for effective root-cause analysis.

Sense

Sense harnesses advanced AI capabilities to deliver actionable insights in vessel performance and decarbonisation reports by continuously assessing parameters including vessel health and fuel efficiency.

Ship Maintenance, Conversion and Overhaul

SAFETY AND RELIABILITY FOR EVERY MISSION

Besides maintenance and refitting of naval vessels, we also undertake repairing damaged vessels and provide specialised services such as weapons upgrades, mid-life conversions and servicing for high-speed diesel engines.

- Contractor-led support solutions for ship maintenance and complex capability upgrades
- Delivering capability/support services with COCO vessels
- Delivering availability-based contracts
- Repair, overhaul, testing and commissioning of high-speed diesel engines
- Deep knowledge and experience for submarine maintenance

Naval Ship Repair

We are a partner to overseas navies, providing a suite of ship repair services to upkeep and maintain the reliability of their vessels.

Vessel Types

- Rescue and Salvage Vessels
- Expeditionary Fast Transport
- Ocean Surveillance Ship
- Missile Range Instrumentation Ship
- Multi-Role Vessel
- Auxilliary Ship (Oiler)
- Services
- Dry-docking
- Cleaning, blasting and painting
- Steel and pipe renewal
- Main propulsion engine replacement
- Propulsion motor servicing
- Waterjet propulsion system overhaul
- Reduction gear maintenance
- Astern ramp maintenance
- In-situ precision machining of transom hull flange
- T-EFP hull plate renewal

Click here

Shipyard Innovation

We aim to be an integrated smart yard solutions provider for our customers, leveraging smart technologies to create the modern shipyard of tomorrow.

- **Panel Line Automation**
  Automate panel fabrication using robotic production technology and advanced sensors

- **Video Analytics and Security Robots**
  Provide real-time hazard detection and automated safety alerts

- **Drones Inspection**
  Inspect hazardous and hard-to-reach areas, enhancing workers' safety

- **IoT Enabled Devices**
  Provide real-time updates of work progress and monitor workers' safety

- **Sustainable Practices**
  Electric-powered AGVs and buggies to reduce carbon footprint, efficient scrap sorting and recycling processes to minimise waste

- **Green Energy Sources**
  Adoption of renewable energy sources to cut carbon emissions by 2034

Shipyard Innovation

Accelerating Digital Transformation

Gear up for the future battlefield with advanced C5ISR solutions. Our digital transformation capabilities enhances collaboration, Manned-Unmanned Teaming (MUM-T), and situational awareness. We offer robust Command, Control, Communications, Cybersecurity, and Intelligence systems for real-time threat detection and rapid decision-making. Stay ahead of emerging threats and turn strategy into action with our cutting-edge technology.

AI Driven Solutions

Designed to meet the dynamic challenges of modern security threats, our solution ensures robust protection and operational reliability in critical scenarios. Unified situational awareness & control can be integrated with any sensors, and robust countermeasures are implemented to neutralise drone threats, safeguarding critical installations and events effectively.

AGIL® Vision

AGIL® Vision revolutionises video analytics with Generative AI, enabling natural language queries for video content retrieval. This innovation simplifies complex searches, making it quicker and more precise to analyse large volumes of video data. AGIL® Vision improves search capabilities in detecting anomalies and can be used in broad range of applications.

- Plug-and-Play
- Optimised search without meta tags
- Real-time alerts
- High adaptability

Click here

AGIL® Response

A rapid out-of-box Command and Control system

AGIL® Response is a rapid out-of-box Command and Control system that allows responders to standup and coordinate frontline emergencies or security operations swiftly. It includes a C2 system that is pre-integrated with five body-worn cameras and a drone. Each responder is also equipped with a mobile application.

- Compact and portable with pre-integrated peripherals for rapid edge response deployment
- Video analytics for anomaly detection and generative search to assist in CCTV surveillance
- Digitalised dissemination of incident details, task assignment and monitoring for better situation awareness and closed loop collaboration
- Automated report and summary insights generation with Generative AI

Click here

MRLN.AI

MRLN.AI leverages advanced Automatic Speech Recognition (ASR) and Artificial Intelligence, to significantly reduce administrative burden by automating repetitive tasks and minimising human error. Users are empowered to focus on the more critical aspects of their roles, resulting in improved productivity and operational efficiency.

- Real-time speech-to-text functions with Natural Language Processing to automate manual tasks for users to focus on other strategic aspects
- Automated documentation via seamless form-filling that reduces common typing errors and misentries
- Intelligent summarisation and diagnostic insights
- Compatible with on-premises deployment to safeguard sensitive information

Click here

AGIL® Trust

Misinformation Detection Platform

AGIL® Trust is a versatile platform designed to counteract the rapid and extensive spread of misinformation exacerbated by the accessibility of AI tools. It is able to detect multimodal fakes by analysing text, audio and video to identify tampered or inaccurate content.

- Detects multimodal deepfakes
- Expedites fact-checking using advanced lexical analysis
- Automates fact-checking from trusted sources to discern fact from fiction
- Performs deep content analysis to uncover narratives, intent and emotional disposition

Click here

AGIL® Counter Drone

We offer scalable and multi-layered AI-driven C2 sensor-effector suites for countering drones. Our solutions provide timely intrusion warnings and options for mitigating risks to protect key installations and events.

RF Directional Finder / RF Drone Decoder

Provides early alerts for potential drone intrusions, enabling swift and proactive response measures. Machine learning model achieves low rate of false alarms during detection of drones.

S300

A compact, portable frequency scanner that can accurately identify drone like signals through the power of machine learning, enabling drone's RF signals to be instantaneously detected and classified with remarkably low rate of false alarms.

- Machine learning algorithm that allows us to detect drone like frequency thus increasing the accuracy of detection without the need of a drone library

- Gain actionable insights to the presence of drone in the surroundings

- Continuous monitoring of drone's RF signals

S1000

Bringing together the best of AI-enabled drone decoder technology with our patented ML algorithm, we improve the overall probability of drone detection, reducing the chances of home-made/ modified drone penetration of protected areas.

- Real-Time Intrusion Alerts and Mitigation

- Small form-factor that combines both AI and ML detection

- Rapidly deployable for quick response

- Scalable, cost-effective solution

RF Jammers

Offers adaptable solutions capable of covering various operational scales and environments effectively. Non-Kinetic Mitigation measure which also includes Efficient Spectrum Diversity Jamming Waveforms, Ubiquitous Spatial-Diversity Jamming System & Frequency Hopping Countermeasures.

J300

J300 is designed specifically for drone jammers mounted for static protection. This enables the ubiquitous spatial-diversity jamming acrossblind zones in urban environment. The J300 works with the S300 and S1000 sensor to form a reactive jammer to neutralise the detected RF controlled drones in all directions up to a distance of 300m. Suitable for both stationary and mobile configurations, it delivers continuous, multi-band jamming coverage within its antenna beam width.

- Provide area protection for the entire assets allowing quick response to pop up targets

- Efficient Spectrum Diversity Jamming Waveforms

- Ubiquitous Spatial-Diversity Jamming System

- Frequency Hopping Countermeasures

J1000

The Drone RF Jammer System is a field-proven counter-measure that continuously disrupts ISM and GNSS (L1, L2) frequencies. With high-powered amplifiers and signal generators, it effectively neutralises single or multiple drones within a 1 km range, guided by integrated detection and identification data. Suitable for both stationary and mobile configurations, it delivers continuous, multi-band jamming coverage within its antenna beam width.

- Easy deployment

- Ruggedised and operatable in extreme conditions

- Reliable and scalable

AGIL® Counter Drone C2

Implements robust countermeasures to neutralise drone threats, safeguarding critical installations and events effectively. Unified Situational Awareness & Control which can be integrated to any sensors of choice for a suitable countermeasure solution. Designed to meet the dynamic challenges of modern security threats, ensuring robust protection and operational reliability in critical scenarios.

- **AI-driven Technology**:
  Utilises artificial intelligence for enhanced detection, tracking, and response to drone threats

- **Scalable Solutions**:
  Adaptable to various operational scales and environments, ensuring comprehensive coverage

- **Timely Intrusion Warnings**:
  Provides early alerts for potential drone intrusions, enabling proactive response measures

- **Mitigation Options**:
  Offers effective countermeasures to neutralise drone threats, safeguarding key installations and events

AI-driven Solutions

Integrated Communications Suite

From private 5G networks enabling advanced technologies like wearables and unmanned solutions to traditional voice and data systems, our Integrated Communications Suite comprising of 5G, SATCOM, and UCS solutions, ensuring secure, responsive communication is always available, no matter the mission demands or terrain.

5G System-On-Chip (SoC) Small Cell

The 5G System-On-Chip (SoC) Small Cell is designed for robust, high performance and sustainable deployment of 5G connectivity at scale. The 5G SoC Small Cell is highly scalable and can accommodate the expansion and densification of indoor networks as demand grows. This versatility supports various deployment scenarios, ranging from large office buildings and shopping malls to stadiums and many other indoor venues. Combining multiple functionalities into a single, compact, energy-efficient device using an integrated all-in-one architecture, the 5G SoC Small Cell ensures seamless integration into existing indoor infrastructures, underpinned by easy configuration and management. Leveraging on the fully flexible and open architecture that is compliant with 3GPP specifications, the scalability and versatility of the 5G Small Cell makes it highly suitable for the following applications:

- Smart factories & manufacturing
- Hospitals & healthcare sectors
- Retail & commercial spaces
- Transportation platforms & hubs
- Campuses & learning environments

Click here

5G-in-a-Box (5GiB)

5G-in-a-Box (5GiB) delivers reliable 5G connectivity in remote or challenging environments, overcoming bandwidth and latency issues. This compact, self-contained unit is ideal for rapid deployment in critical scenarios or urgent operations, supporting high-bandwidth needs for numerous users. It ensures uninterrupted, secure communications and operational effectiveness even when traditional infrastructure is unavailable.

- Easy deployment
- Ruggedised and operatable in extreme conditions
- Reliable and scalable

Mobile Earth Station

SATCOM Systems

The Mobile Earth Station ensures seamless connectivity in emergencies where infrastructure is compromised, especially in remote areas. Featuring a trailer-mounted 4m Ku/Ka Band Tri-Fold Automatic Deployment Antenna, it offers a modular design for flexible transport via air, land, or sea.

Modular & Portable
Designed for easy deployment with a removable HVAC shelter, tow vehicle interface panel, and dual 37RU equipment racks for TMSES and customer equipment.

Seamless Connectivity
Equipped with 1:1 low noise block downconverter and an 80W Ku-Band block upconverter, supporting both extended and low Ku-Band frequencies.

Intelligent Network Management
Integrated power distribution box and RTA's smart network management system ensure uninterrupted operation.

UCS 1000

Unified Communications System

Designed to integrate multiple communication needs on a single platform, regardless of radio frequencies, network or devices. Our UCS enables the integration of radio, satcom and cellular networks for more effective sharing of information in complex, operational environments.

Benefits
- Suitable for deployment ranging from single operator setup to full end-to-end operations
- Enables seamless interoperability with various communications systems, optimising overall investment

Applications
- Mobile radios
- IP telephones
- Analogue telephone
- Client software on computers and smart phones

Features
- Virtualisation
- IP-based
- EUROCAE ED-137 Adherent

Mobile Command Platforms

Mobile Command & Communication Platforms (MCCPs) provide versatile and robust mobile C4 (Command, Control, Communications, and Computers) capabilities for on-site mission planning and emergency management. Designed for all-weather operations, MCCPs swiftly establish on-site Command and Control, facilitating efficient deployment of personnel and resources during emergencies and disaster recovery.

Key Features:

- **Unified Communication Systems (UCS)** ensure seamless interoperable communication, enabling real-time voice, data, and video transmission between incident sites and HQ command centres

- **Forward Command Vehicle (FCV)** is tailored for command on the move. This allows commanders to issue command and take control of the situation while enroute to emergency site

- **Mobile Command Post (MCP)** is tailored for cross-country and challenging terrains, featuring a fast deployable shelter and expandable working space (45 sqm)

- **Modular Deployment**: Multiple MCPs can be deployed together, optimising vehicle usage and reducing operational and logistical costs in HQ deployment and incident management

- **Reliability:** Requires minimal field maintenance and delivers clear communications on the move, making it ideal for defence and public safety agencies

MCCPs are engineered to meet the demanding needs of rapid response scenarios, providing effective command capabilities and communication continuity in dynamic environments. Whether in crisis response or disaster recovery, MCCPs ensure robust and reliable support for mission-critical operations, enhancing operational efficiency and coordination.

- **Versatile all-weather operations**:
  Built to function effectively in diverse environmental conditions, ensuring reliability during emergencies and disaster recovery

- **Unified communication systems (UCS)**:
  State-of-the-art technology enables seamless interoperability for real-time voice, data, and video transmission between incident sites and HQ command centers

- **Modular design for customisation**:
  Easily configurable to meet specific operational requirements, allowing for efficient resource deployment and optimised mission management

- **Cost-effective solution**:
  Reduces operational and logistical costs by optimising vehicle usage and supporting multiple MCPs deployed together, enhancing coordination and response efficiency

Click here

Parabolic Manpack - A1000

The Parabolic Manpack A1000 is a custom-built Triband SATCOM terminal designed to provide highly reliable broadband connectivity for users. The terminal is highly suited for operations in harsh environmental conditions. The equipment includes BUC, LNB, Modem, Power Supply, M&C, GPS, and a battery. Thanks to its innovative design, the terminal is compact and lightweight without compromising any functionality. Deployment of the Manpack terminal is easy, with minimal assembly of separate parts, and antenna alignment is easily accomplished. Full deployment can be completed in less than 10 minutes, making it a rapid deployment solution in hostile environments.

SATCOM Systems

To meet the insatiable demand for situational awareness across land, air and maritime vessels, our SATCOM systems bring about real-time dissemination of images and videos against in harsh operating environments, respond to a moment's notice to conduct surveillance operations or provide disaster support, and offer high-speed data bandwidth to provide seamless connections anywhere in the world.

Flat Panel Manpack -M300

The Flat Panel Manpack SATCOM M300 is a highly portable SATCOM terminal with a compact form factor, ruggedised to be suitable for a variety of harsh and tactical operational scenarios and applications. Operating in the Ku-Band, it delivers high performance and is designed for quick deployment.

Naval Platform Electronics

We provide secure communications, network and system management for heterogeneous C4ISR platforms. It enhances information sharing and network connectivity for seamless ship-ship and ship-shore operations. Leveraging modular, scalable and open IP architecture, and integrated with combat systems, it is also capable of C3 operations with unmanned platforms.

Click here

Scanned Panoramic EO System (SPEOS)

The Scanned Panoramic EO System (SPEOS) utilising advanced scanning and imaging technologies to provide a comprehensive and real-time panoramic view of the operational environment with enhances threat detection, surveillance, and engagement capabilities.

- 360° Real-Time Situational Awareness – Provides a continuous, panoramic view of the operational environment
- Advanced Target Detection & Tracking – Improves response accuracy and threat identification
- Platform-Agnostic Integration – Easily integrates into new or existing land systems for immediate operational advantage
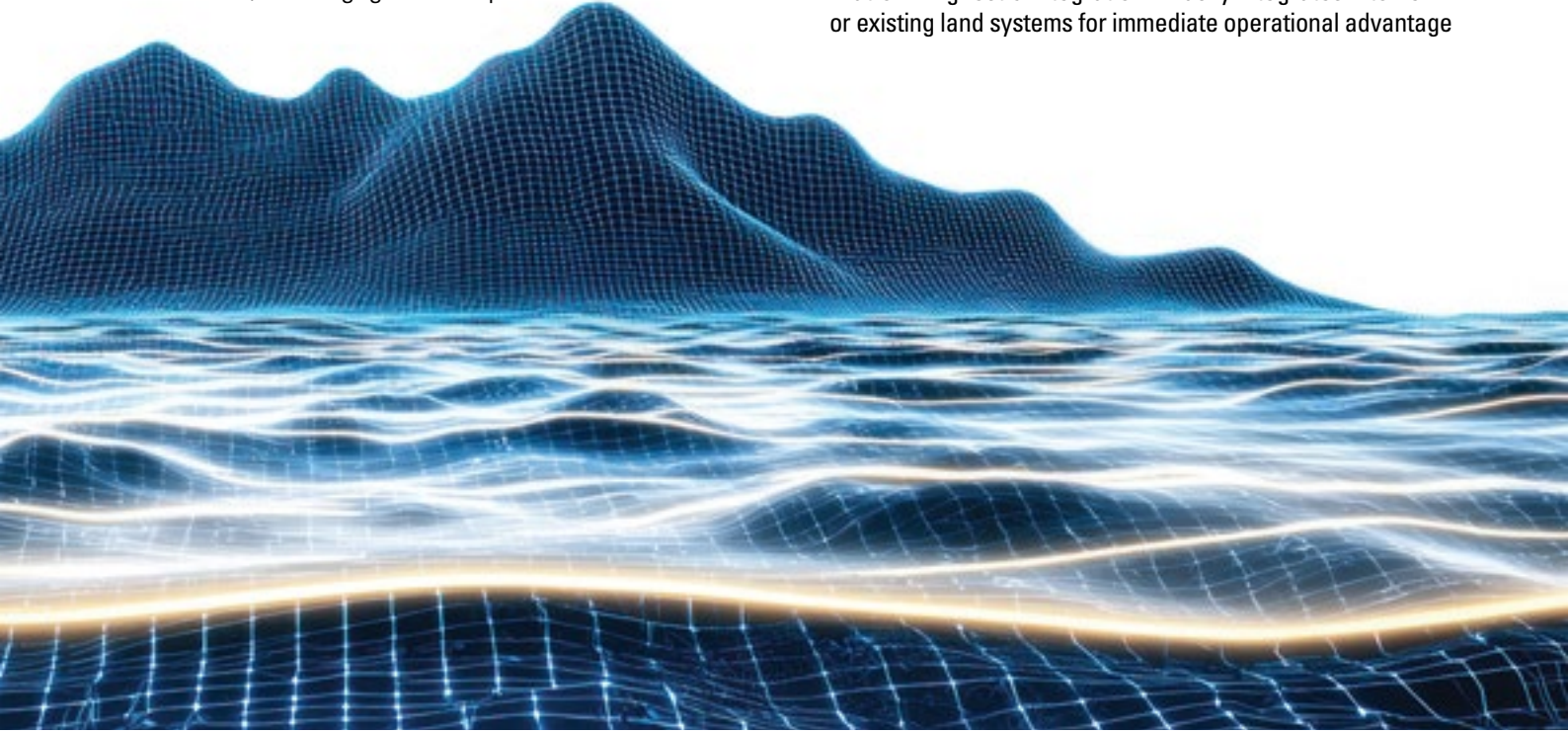
Maritime Integrated Communications System (MICS)

MICS is a unified communications system designed for maritime vessels operating across diverse mission scenarios. It centralises and simplifies communications for lean crews, enhancing operational efficiency and situational awareness.

- Unified Communications Management – Integrates and centralises multiple communication systems for seamless control
- Designed for Lean Manning – Supports efficient operations with reduced crew and streamlined workflows
- Mission-Critical Interoperability – Enables survivable and interoperable communication in complex maritime environments

Naval Platform Electronics

Maritime Systems

Our e-Navigation Framework-ready smart vessel traffic management solutions suite reduces human error and cost, through intelligent monitoring and pro-active alerts before the crisis strikes.

Vessel Traffic Management System (VTMS)

VTMS is a next-generation software that powers the command centre onshore, connecting multiple sensors port-wide to facilitate vessel surveillance, thereby ensuring comprehensive situational awareness and streamlining operations.

Make better-informed decisions using Artificial Intelligence, improve situational awareness and vessel traffic visibility using intuitive visualisation, and ensure safer navigation with digital geo-fencing and environmental change detection.

- Utilises Machine Learning to analyse trends for traffic management and anomaly detection
- Single source of truth for greater situational awareness
- Proactive coastal defence planning to improve border security
- Smart vessel surveillance to detect and deter suspicious activities

Vessel Traffic Mobile System (VTMoS)

VTMos is a mobile vessel traffic management system for offshore operators. It connects the command centre to shipborne, and is easily installed shipboard and on ground vehicles for seamless communication and to smoothen operations.

- Streamlines ship-to-shore communication to ensure prompt dissemination of information
- Enhances data visualisation for effective response to maritime threats and emergencies

Click here

Cloud Solutions

Elevate and enhance data management with innovative technologies designed to facilitate data cohesiveness with leading data security infrastructures. Benefit from comprehensive and robust cloud platforms and data systems, accelerating digital transformation for your organisation.

Click here

Cloud Solutions

An extensive range of capabilities in database and application transformation for both private and public clouds

We provide end-to-end cloud and data services for users to gain flexibility with data on cloud and on-premise, whilst maintaining visibility and control through managed services in various data environments.

- Structured cloud migration process that is customisable to suit unique infrastructure and needs

- Hybrid Multi-Cloud strategy to achieve agility, diversify risks, gain competitive advantages and operation resilience via AGIL® Cloud Management Platform

- Experienced cloud-managed service provider to automate and enhance operational efficiencies

- Secured Data Platform Modernisation to achieve workload portability through a single pane consisting of multiple cloud providers, easing services orchestration and enhancing integrated cloud operations dashboard
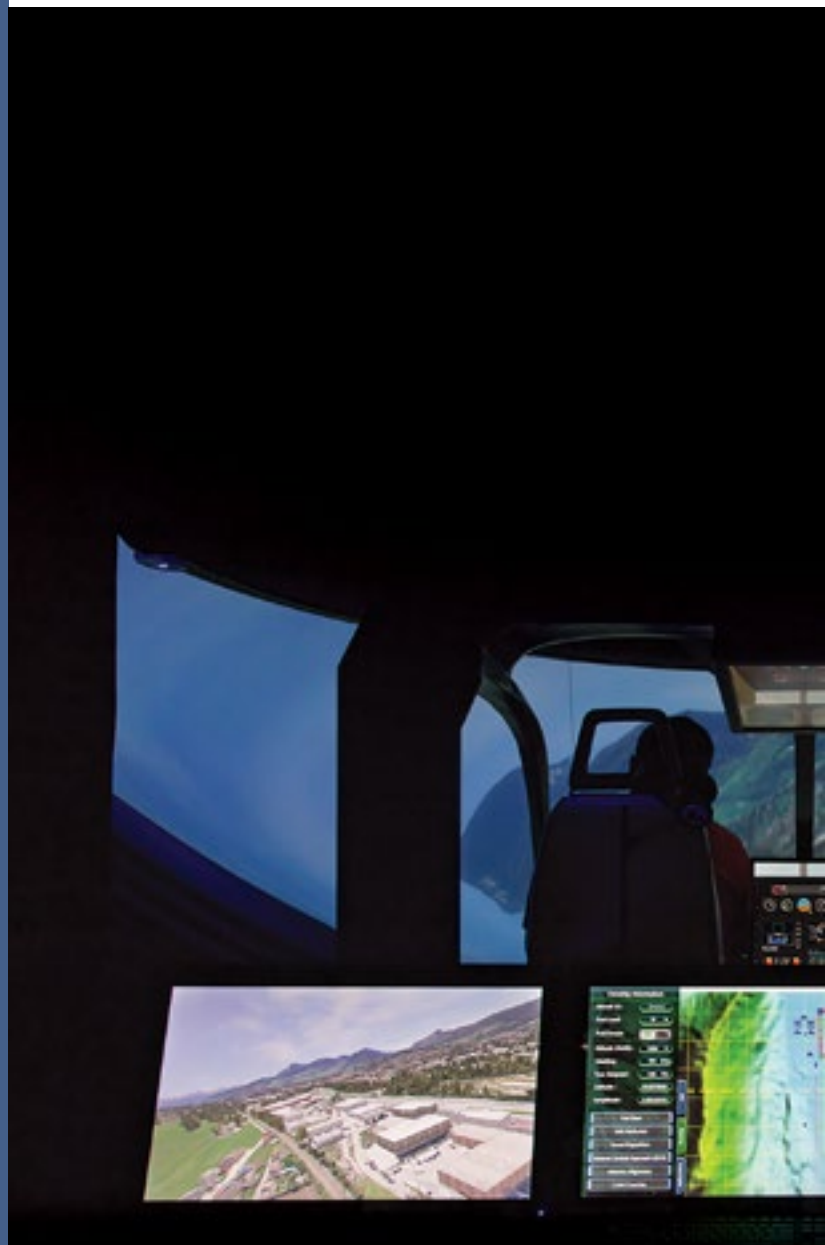
Training & Simulation Systems

We help our customers to learn and train better so they can achieve mission success and enhance learning outcomes.

Our advanced learning, training, and simulation solutions serve a wide range of sectors, including aerospace, land, maritime, homeland security, and education.

We provide simulation and training systems for Live, Virtual and Constructive, Individual to Team, Common Simulation Environment, Multi-Domain Operations and Digital Twins.

Offerings:

- Motion platform simulator
- AR / VR / MR enabled immersive trainer
- Procedural trainer
- Full mission trainer
- Classroom-based trainer
- Digital twin

Driving Simulator

Our suite of driving & crew simulators provides high-fidelity and realistic virtual training experience for driving skill refinement, reflex enhancement, crew coordination and adherence to safety protocols. It comes with an AI engine that provides training analytics to enhance trainees' performance and aide in scenario generation. Our range of simulation training platforms cater to different training objectives and budgets.

- Motor vehicles (Cars / Motorcycles)
- Passenger vehicles (Buses / Coaches)
- Military vehicles (Wheeled / Tracked)
- Heavy goods vehicle
- Articulated vehicles
- Police, fire & emergency response vehicles

We offer various types of training platforms:

1. Mixed reality (MR) driving trainer
2. Compact driving simulator
3. Full-scale motion driving simulator
   (3 to 9 degrees-of-freedom motion platform)
4. Cabin/desktop crew trainer

Click here

Fixed Wing Flight Simulator

In pursuit of taking virtual training to greater heights, the fixed wing simulator provides pilot with training in basic to advanced flight operations and procedural training, to train the pilot on both Type training (aircraft handling and flight operations) and Task training (individual and team-level missions) in a network-integrated training system. The simulator provides training across a full spectrum of operational missions.

- Provide basic instruments and navigational training for single or multiple crew(s)
- Provides training in different flight scenarios to hone skills and flexibility
- Provides mission level training
- Training analytic to analytics trainee performance

Helicopter Simulator

The helicopter simulator provides a simulation of a helicopter flight in various flight environments with different flight scenarios, to train the pilot on cockpit procedures and avionics systems, flight operation, navigational and task-specific training, and mission level training.

- Provides basic, tactical and mission level training to equip them with skills
- Training analytics to analyse trainee performance for continuous improvement VR / MR enabled training

Click here

Training & Simulation Systems

76

Air Traffic Control Simulator (ATCS)

A fully scalable, high-fidelity training solution that offers highly realistic radar, procedural and aerodrome simulations. It is customisable to cater to a broad training spectrum — from ab-initio to operational and refresher training, to equip controllers with the precision and confidence to manage any situations.

- Mimics real-world scenarios to train for rapid decision-making in critical situations

- Scalable and customisable to fit unique requirements

- Cost-effective and flexible to switch between simulator modes in a single system

- Keep in sync with industry updates via customisable plug-ins for swift updates

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AGIL® Digital Sandtable

The Digital Sandtable is a touch-based interactive device with an accessible tabletop user interface, that provides full visualisation of terrain using 2D map navigation and a correlated fly-around 3D view display. It supports scenario planning, urban planning and training of emergency response exercises.

- Next-generation scenario planning and monitoring
    - Touchtable UI
    - Tools and visualisation
    - Content flexibility

- Tabletop user interface
    - 2D map navigation with touch interactivity on an accessible tabletop

- Immersive visualisations and emergency handling

- Close-up visualisation

Click here

Unmanned Aerial Vehicle Simulator

By leveraging modelling and simulation technologies, the innovative portable V15 SimEnabler connects UAV Ground Control Station (GCS) to the Instructor Operator Station (IOS) for UAV pilots to train and gain proficiency. Simulating the aircraft subsystem, the V15 SimEnabler incorporates customisable visual scenarios with extreme visual realism, realistic sensor simulation such as EO/IR simulation, high-fidelity Computer Generated Forces (CGF), sensor payload operations and a comprehensive Instructor Operating System (IOS). The IOS is easy to use for scenario planning, add injects and the system is capable to monitor trainee's actions for after action review. Its compact and portable design allows for on-site or classroom training, combined with the flexibility to participate in joint exercises for more realistic and efficient operations. This versatile platform ensures safer, accurate, and effective UAV training.

Click here

Unmanned Surface Vessel Simulator

The unmanned surface vessel simulator is designed and built to meet the initial and recurrent training needs of USV operators, offering both platform training as well as mission specific training. The USV simulator comes packed with realistic simulated environments and training scenarios, with customised configurations that ensure USV operators can rise to any challenge at sea and will be proficient at handling situations as they arise.

- Safe training environment for operator
- Learn the command procedures of a USV console anytime
- Hone the skills for autonomous operations, navigating under the different weather conditions and emergency handling

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Virtual Maintenance Trainer for land, maritime and air platforms

Harnessing Virtual Reality (VR) technologies, the Virtual Maintenance Trainer's immersive training capabilities allows trainees to practise and assess their procedural knowledge, without the hassle of system downtime or provisioning of spares. The customisable VR environments of the training scenarios enable trainees to experience scenarios that are not feasible with dummy equipment, or are just too dangerous to be simulated in live training.

- Provides training environment without system downtime
- Provides training in a safe, immersive environment
- Applicable to land, maritime and air platforms

Training & Simulation Systems

Integrated Ship Bridge Simulator

From basic ship handling to complex mission rehearsals, the Integrated Ship Bridge Simulator offers a highly realistic and effective training environment for instructors and crew members to hone their technical and combat skills, promoting collaborative training between various operational roles. It is enabled with VR watch stations and immerse operators into the training environment by offering berthing training.

- Provides an integrated, realistic and safe training environment while reducing training time for each ship
- Supports a full range of training from operator component training to mission-based training
- Recognised for outstanding training system integration at the Military Simulation & Training Awards 2019 for the Littoral Mission Vessel Simulation Centre project

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AGIL® CampusFlair

AGIL® CampusFlair is an enterprise data analytics platform that provides a 360-degree view of each student. Designed for ease-of-use by non-data experts, the solution leverages Machine Learning, pre-built assets, and templates to help users get more value from data.

- Generate a holistic view of students' progress
- Automatically identifies struggling students based on data-driven insights
- Early intervention increases chances of student passing
- Identifies trends from unsuccessful students

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Training Support and Consultancy Services

We offer training support and consultancy services for the operational and technical domains of aerospace, land and maritime industries. We empower organisational excellence by providing high quality services to our defence, commercial and international customers.

- Operations & simulator maintenance support
- Training design services
- Training operations and support
- Instructional services
- Simulation training centre management
- Port facility security consultancy services

Click here

Platform Crew and Gunnery Simulator

A simulator to train crew to operate the equipment and weapons on board the armoured vehicle or as a conceptual tool to design, develop, research and improve armour vehicles' characteristics.

- Provides tactical training needs for crew
- Provides procedural training
- Provides weapon equipment training to enhance their skills
- Train crew to operate the equipment and weapons on board the armoured vehicle

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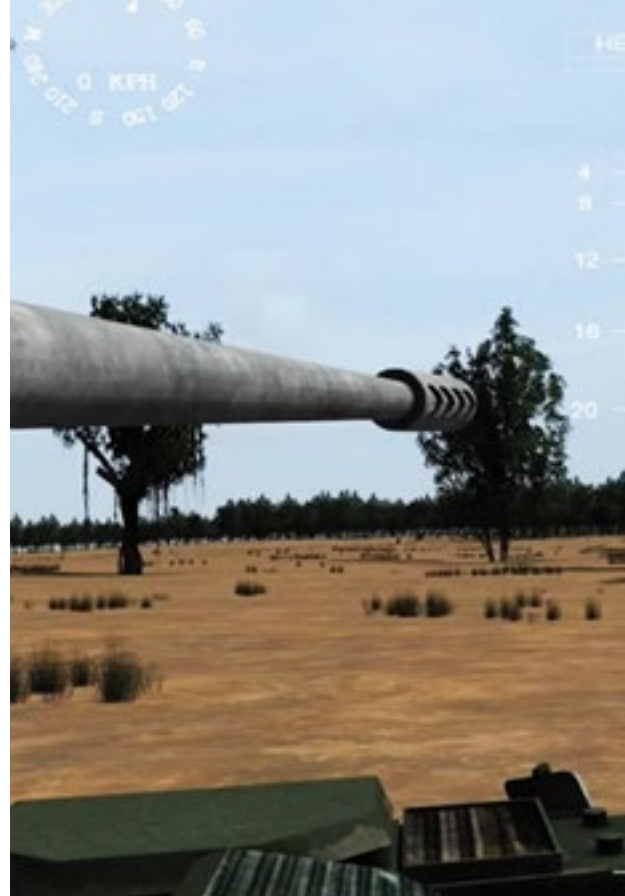
Digital Twin

Ops Terrain Mapping

- Imagery analysis for geospatial data on terrain and objects-of-interest
- Vectorisation of pathways and gross 3D reconstruction of vertical structures
- For applications in Intelligence and Tactical movement guidance

People Data Generation

- Video analysis for human movement and activity data, including crowds
- Spatial prediction and pose estimation techniques
- For crowd management, safety & security surveillance applications

TwinVision

- 3D base map, modelled replica of a locale, for operator console
- Live data - dynamic virtual representations of activities and analyses outcomes
- For safety & security and facilities management

Enterprise Maps Platform

- Geolocated information on infrastructure, facilities and events
- Cloud-based web applications (map widgets)
- For organisation-wide /crowd-sourced information presented in map format

Extended Reality (XR) Solutions

Our Extended Reality (XR) solutions offer immersive and interactive training experiences. Users can practise complex maintenance procedures, hone collaborative skills for multi-person tasks, and explore new environments - all within the confines of low-risk virtual environments.

Click here

Key Applications:

1. Enhanced training and design visualisation

2. Simulation training

3. Guided workflow / remote assist for training operations

- Bespoke solutions for wide range of use cases
- Ability to conduct multi-location remote collaborative training
- A member of the limited group of partners for Microsoft Industry Solutions Unit

Operational Driving Simulator (ODS)

This driving simulator combines a compact design with a lightweight build. Portability is enhanced when paired with a Head-Mounted Display (HMD), making it ideal for Just-In-Time (JIT) training at onsite locations. With 4-Degrees of Freedom (4-DoF) motion, its precise tactile feedback accurately recreates a realistic driving experience.

- Superior portability with its compact design and lightweight build
- Compatible with various immersive visual displays (e.g. XR HMDs)
- Customisable driving dashboard for different vehicle layouts and training needs

Specialised Driving and Technical Training

Our comprehensive training services include specialised driving training and technical training for technicians. Emphasising safety and precision, our rigorous programmes ensure readiness of drivers for deployment and fleet reliability.

- Technology integration for simulated training experience
- ISO-certified (ISO 9001, ISO 14001, ISO 22301, ISO 28000, ISO 45001)

Operations and Maintenance Support for Shooting Simulators and Ranges

We ensure the safe operation and robust maintenance of simulated and live firing systems, both locally and overseas. Our comprehensive services cover pre-range operations, range conduct, and range recovery. Our team includes weapon coaches and trainers skilled in conducting technical ranges with static and moving targets.

- Provision of expert feedback on marksmanship and gunnery skills
- Technology integration for enhanced user experience

Drone Training

Unlock your aerial potential with Kinetics Drone Training Centre (KDTC)! We offer comprehensive drone training and flight support services for professionals, enthusiasts, and organisations. Our programmes follow Civil Aviation Authority of Singapore (CAAS) regulations and industry standards, ensuring safe and effective UAV operations.

- Drone Training & Certification – From basic to advanced UAV operations, including UABT certification, mission planning, and precision flying
- Flight Support & Consultancy – Expert pilots, regulatory compliance assistance, and customised UAV solutions for security, inspections, and test flights
- Specialised Industry Training – Certified UAV operations in public safety, infrastructure inspection, and emergency response

Drone Training & Certification

Flight Support & Consultancy

Click here

Training & Simulation Systems

Business Process Outsourcing

EMPOWER YOUR BUSINESS WITH OUR EXPERT BPO SOLUTIONS

Create capacity, navigate change, and deliver positive experiences with our tailored Business Process Outsourcing (BPO) services, enabling you to focus on growth and success.

Finance and Payroll

Tailored solutions to optimise finance and payroll management.

- Enhanced procure-to-pay process and accelerated order-to-cash process for efficient operations
- Optimised fixed assets and inventory management to maximise returns
- Streamlined payroll, benefits and claims management for hassle-free employee compensation and well-being
- Simplified grant management processes to ensure compliance and maximise cost savings

Click here

HR and Customer Care

Strengthen HR and customer care operations via advanced tools and insights.

- Comprehensive end-to-end support with tailored solutions to align with unique requirements
- Streamline processes and enhance servie quality with innovation and continuous improvement
- Expertise in compliance and transition management

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Training and Development

Empower the team with customised training and development solutions.

- Managed Learning Services to streamline training processes, cut operational costs, and elevate your workforce's expertise
- Access a vast array of learning resources, courses, and training materials on a cloud-based platform
- Fast-track change adoption with the PROSCI Change Management Methodology
- Robotic Process Automation (RPA) to automate tasks for swift responses and peak efficiency

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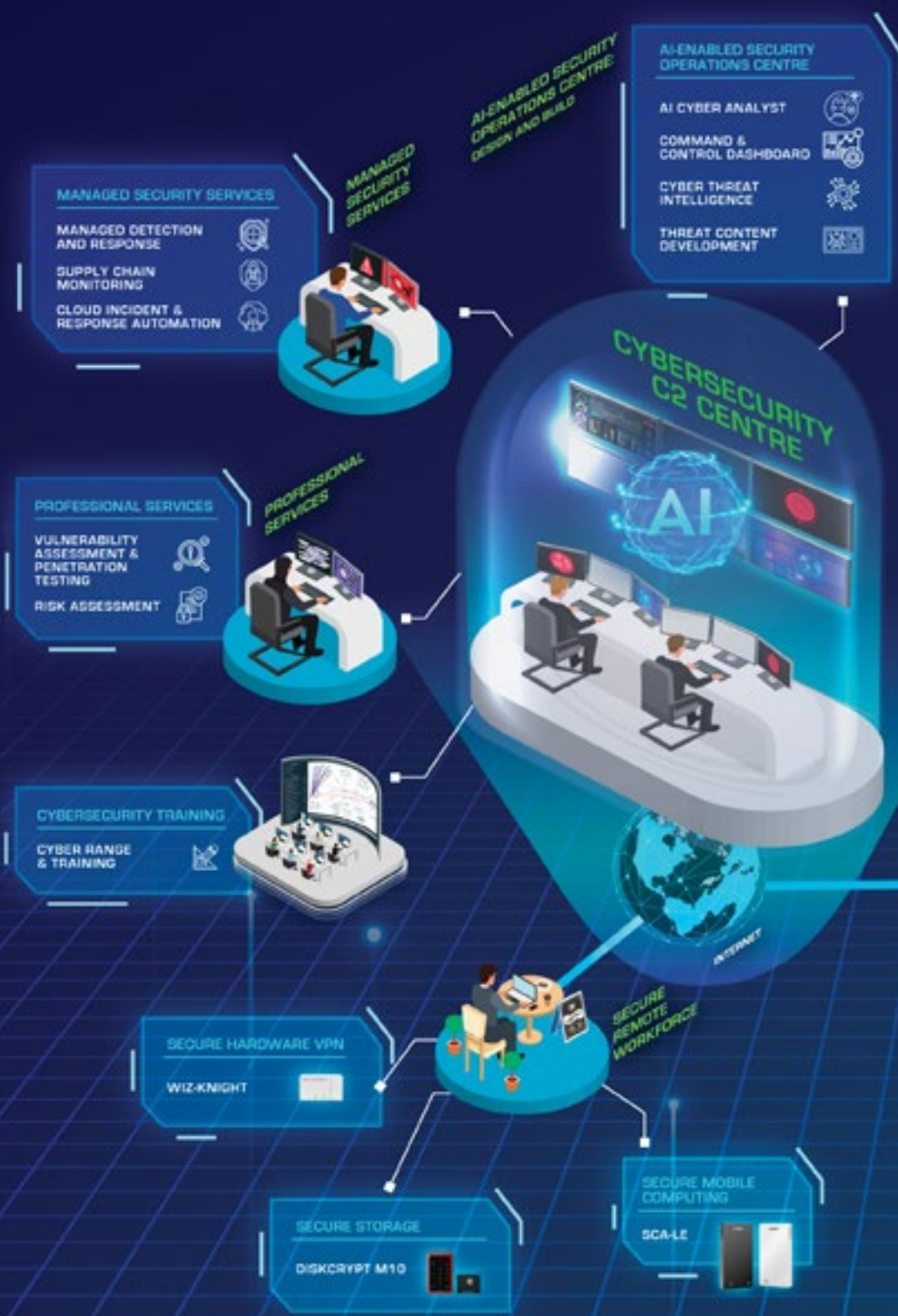
Advisory and Consultancy Solutions

Customised advisory and consultancy solutions to ensure data security, regulatory compliance and reinforce trust with customers.

- Triple E Framework for Data Protection Trustmark (DPTM) Readiness, ensuring maximum efficiency and compliance with sectoral regulations and your organisation's unique data governance structure
- Policy and process enhancement via policy evaluations and gap analysis to ensue compliance with the latest standards, assuring legal compliance and building a competitive edge
- Personalised and customisable advice and training during the engagement for knowledge retention and long-term sustainability

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Business Process Outsourcing

84

MANAGED SECURITY SERVICES

- MANAGED DETECTION AND RESPONSE
- SUPPLY CHAIN MONITORING
- CLOUD INCIDENT & RESPONSE AUTOMATION

MANAGED SECURITY SERVICES

AI-ENABLED SECURITY OPERATIONS CENTRE
DESIGN AND BUILD

AI-ENABLED SECURITY OPERATIONS CENTRE

- AI CYBER ANALYST
- COMMAND & CONTROL DASHBOARD
- CYBER THREAT INTELLIGENCE
- THREAT CONTENT DEVELOPMENT

CYBERSECURITY C2 CENTRE

AI

PROFESSIONAL SERVICES

- VULNERABILITY ASSESSMENT & PENETRATION TESTING
- RISK ASSESSMENT

PROFESSIONAL SERVICES

CYBERSECURITY TRAINING

- CYBER RANGE & TRAINING

INTERNET

SECURE REMOTE WORKFORCE

SECURE HARDWARE VPN

- WIZ-KNIGHT

SECURE STORAGE

- DISKCRYPT M10

SECURE MOBILE COMPUTING

- SCA-LE

SECURE
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ADAPTIVE & INTELLIGENT
CYBER MONITORING FOR
OT SYSTEMS (AICYMO)

AI-ENABLED
OPERATIONAL
TECHNOLOGY
CYBERSECURITY

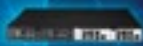CYBER
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& SERVICES

CLOUD & NETWORK INFRA

QUANTUM READY
NETWORK ENCRYPTORS

ETHERCRYPT &
NETCRYPT SERIES

CROSS DOMAIN
SOLUTION

CYBERTRANSPORTER

A COMPREHENSIVE SUITE OF AI-ENABLED IT, OT, AND CLOUD
CYBERSECURITY SOLUTIONS TO EMPOWER CYBER RESILIENCE

Cyber Capability

A trusted cybersecurity leader in safeguarding government, critical infrastructure, and enterprises with unparalleled cyber resilience. Our comprehensive suite of cybersecurity solutions is backed by deep domain expertise and a proven track record, offering end-to-end capabilities.

Secure Gateway

Our secure gateway solutions provide high-performance and robust, secure data transfer between networks or domains operating at different security levels.

CyberTransporter

High Assurance Unidirectional Gateway

CyberTransporter (Data Diode) provides high-assurance, hardware-enforced one-way data transfer, ensuring absolute security for defence networks. With patented SFP+ technology and File Loss Detection, it ensures zero data leakage data leakage while maintaining seamless, high-speed transmission. Designed for mission-critical environments, CyberTransporter supports network segregation, embedded security applications, and real-time monitoring. Its compact and scalable design integrates effortlessly into defence infrastructure, safeguarding classified communications, intelligence sharing, and operational command centres against cyber threats with unmatched reliability and compliance.

- File loss detection capability
- High throughput
- Stackable hardware for integration of 3rd party solution

RAM: Up to 4 x 8GB RAM

Storage: Up to 4 x 1.9TB (Expandable)

Unidirectional Media Transfer Rate: Up to 20Gbps

Throughput (Files Transfer): Up to 2Gbps

Secure Remote Access

Remote work offers flexibility, it also introduces vulnerabilities, allowing users to access corporate networks without adequate protection. Without a comprehensive solution, organisations struggle to effectively address these risks.

Our remote workforce suite provides thorough security for laptop device, ensuring strong data protection and preventing unauthorised access, regardless of an employee's location.

WiZ-Knight

Mobile Encryptors

WiZ-Knight is a portable Wi-Fi encryptor equipped with multi-factor authentication (MFA), available for on-premises or cloud deployments. Designed to secure remote communications by isolating endpoints and encrypting data traffic over untrusted networks. Engineered for defence operations, it safeguards mission-critical data, preventing cyber threats in the field and command centres. Ideal for secure tactical deployments and remote access to classified systems, it ensures encrypted connectivity for military personnel, and government agencies.

- Portable encryptor, leading to small carbon footprints
- Centralised management & control
- Multi-authentication support

Click here

Networking Features & Protocols
- IP Security/Encapsulating security protocol)
- Support Layer 3 encryption
- Traffic flow confidentiality

Key Management
- Internet Key Exchange (IKEv2) with Diffie-Hellman (DH)
- Supports key sizes of up to 4096 bits and Elliptic Curve Diffie-Hellman (ECDH) with groups up to P-521
- This protocol provides confidentiality and data integrity protection for all key exchange traffic, including the initial exchange

Performance
- Zero-loss encrypted throughput up to 20 Mbps (depending on IP packet size and used encryption mode)
- Support 2 concurrent IPSec tunnels

SCA-LE

Zero Trust Computing

Zero Trust Computing are embracing flexible working arrangements for employees to work from home or anywhere. However, this flexibility also increases the exposure of employees' risk of devices to ransomware, malware, and theft, which may result in lack of business continuity and loss of sensitive information. SCA-LE is purpose-built to enable secure remote work. As a portable zero-client device with no user-accessible storage, it leverages Zero Trust security principles alongside virtual desktop application technologies. This design effectively blocks ransomware and prevents data loss caused by malware or theft. With its compact form factor, centrally managed updates, and cost-effectiveness, SCA-LE is the preferred solution for organisations seeking to deliver secure and flexible working environments without compromising security or productivity.

- 0% ransomware attack surface
- Portable in size and weight
- Ease of use requiring very few steps to set up a secure connection

Click here

Processor: Intel x6413E

CPU Core: 4 Core 1.5 GHz

Operating System: Ubuntu OS 22.04 LTS

System Memory: 2 x 2 GB LPDDR4

Storage: 32 GB eMMC

AI-Enabled Cyber Command and Control Centre

We have designed, architected, implemented, and operated over 23 Cyber Command and Control Centre (Cyber C2 Centre) across IT, Operational Technology (OT), and cloud environments for governments, Critical Information Infrastructures (CIIs), and enterprises. As the cyber threat landscape evolves, traditional Cyber C2 Centres face growing challenges in detecting and responding to sophisticated threats in real-time.

To address these challenges, we have built a specialised team focused on AI-enabled Cyber C2 Centres. By leveraging AI-powered threat intelligence, threat content, Command and Control (C2) dashboards, and an AI Cyber Analyst, we are proactively equipped to combat the emerging threats and deliver faster, more intelligent cyber response capabilities.

Threat Content Development

Providing Insightful Threat Detection Use Cases

Our Cyber C2 Centre is designed, built, and delivered with our comprehensive threat content library contextualised to our specific customers ensuring effective detection of threats across all phases of security operations.

- Threat-centric approach that ensures the detection use cases are continuously updated and maintained
- Expertise in developing and delivering threat content tailored to customer needs

Cyber Threat Intelligence

Enabling Threat Intelligence-led Operations

Our AI-enabled cyber threat intelligence fully automates intel translation with natural language processing, delivering valuable insights and actionable intelligence for a proactive defence.

- Fully automated with AI capability
- Translates to natural language model
- Contextualised intelligence

Click here

Command and Control (C2) Dashboard

Elevating Cyber Situational Awareness

Our C2 Dashboard strengthens security operations with advanced visualisation that highlights critical data, improving situational awareness and decision-making. By presenting key insights prominently, it enables stakeholders to make informed decisions effectively.

- Design thinking approach
- Command and control science
- Cognitive visualisation dashboard

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AI Cyber Analyst

Automating In-Depth Analysis

Our AI Cyber Analyst enhances Tier 1 analysts with Tier 3-level insights and recommendations for advanced tasks like threat hunting and investigation. It adapts through feedback, optimises operational metrics, and produces actionable reports, while improving detection systems with Sigma rules for threat detection.

- Automates mundane, labour-intensive tasks
- Enables analysts to focus on valuable analytical activities

Click here

Managed Security Services

Unlike traditional Managed Security Service Providers (MSSPs). Our intelligence-driven detection and monitoring offer tailored strategies to enhance resilience and strengthen your security posture.

Our cybersecurity professional services deliver end-to-end solutions that combine strategic planning, proactive security measures, and continuous cyber training. We ensure a comprehensive approach to safeguarding your organisation while building long-term resilience.

Click here

Managed Detection & Response (MDR)

Advancing Managed Detection and Response

Our MDR service features continuous proactive threat hunting, behavioural analysis, and a robust digital forensics and incident response. By leveraging advanced threat intelligence, we swiftly detect and address incidents, ensuring comprehensive protection.

- Threat hunting
- Real-time detection and response
- Scalable and modular solutions

Cloud Incident Response Automation

Ensuring rapid threat mitigation

Our cloud security monitoring offers proactive threat hunting with automated investigation and response. Its advanced deception capability deceives and uncovers nesting threats, enhancing the threat hunting process and reducing false positives.

- Continuous monitoring and real-time threat detection for cloud environments
- Enhanced visibility into cloud activity and potential risks
- Rapid response capabilities to mitigate cloud-based threats

Vulnerability Assessment & Penetration Testing (VAPT)

Fostering Strong Security Posture and Compliance

Our VAPT is a comprehensive security testing approach aimed at identifying and addressing cybersecurity vulnerabilities in networks, wireless systems, web applications, and mobile applications. This process provides a thorough analysis to enhance your overall cybersecurity posture. We also offer a range of end-to-end services, including threat intelligence, incident response, and security consulting.

- Proven Track Record
- Comprehensive end-to-end service offering

Click here

Cybersecurity Exercise and Training

Elevating Cyber Competency

Our Cybersecurity Exercise and Training offers advanced courses such as OT cybersecurity and specialised cyber exercises targeting role-specific training to enhance skills and strengthen your organisation's cybersecurity posture. We also help organisations conduct realistic cyber exercises for C-Suite leaders, IT professionals, and Cybersecurity Professionals.

- Tailored learning and role-specific training
- Hands-on exercises and simulated environments

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Managed Security Services

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