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# OUR DURDSE



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Be it the valuable resources powering our industries, everyday essentials or even your latest online shopping haul, Singapore's economy, security and survival have been inextricably linked to the sea for centuries – and it remains so today.

Beyond maritime trade, our small island state with no geographic depth is home to one of the world's busiest ports and some of its largest oil refineries. This means threats to Singapore's waters are also threats to the nation and our livelihoods.

# BECAUSE THE SEA IS OUR LIFELINE AND OUR LINK TO THE WORLD. THE NAVY IS OUR NATION'S FIRST LINE OF DEFENCE.



# FOUR KEY ROLES

# PROTECTING OUR SEA LINES OF COMMUNICATION

Singapore sits astride major maritime trade routes, also known as sea lines of communication. Cut off our access to

them and we will be isolated immediately.

The Navy plays a crucial role in maintaining access to these sea lines of communication and deterring disruption to maritime trade in the Singapore Strait.

# ENHANGING OUR DIPLOMAGY

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The Navy contributes to the expansion of Singapore's policy space by making friends and sustaining strong relationships with fellow navies in the region and beyond.

This improves trust and interoperability, making it easier to tackle transnational maritime threats

### and security challenges together.





The Singapore Strait is one of the world's busiest waterways, with close to 1,000 ships plying it daily. Given its proximity to our city centre and critical industries, it is crucial that the Navy ensures maritime security is never compromised.

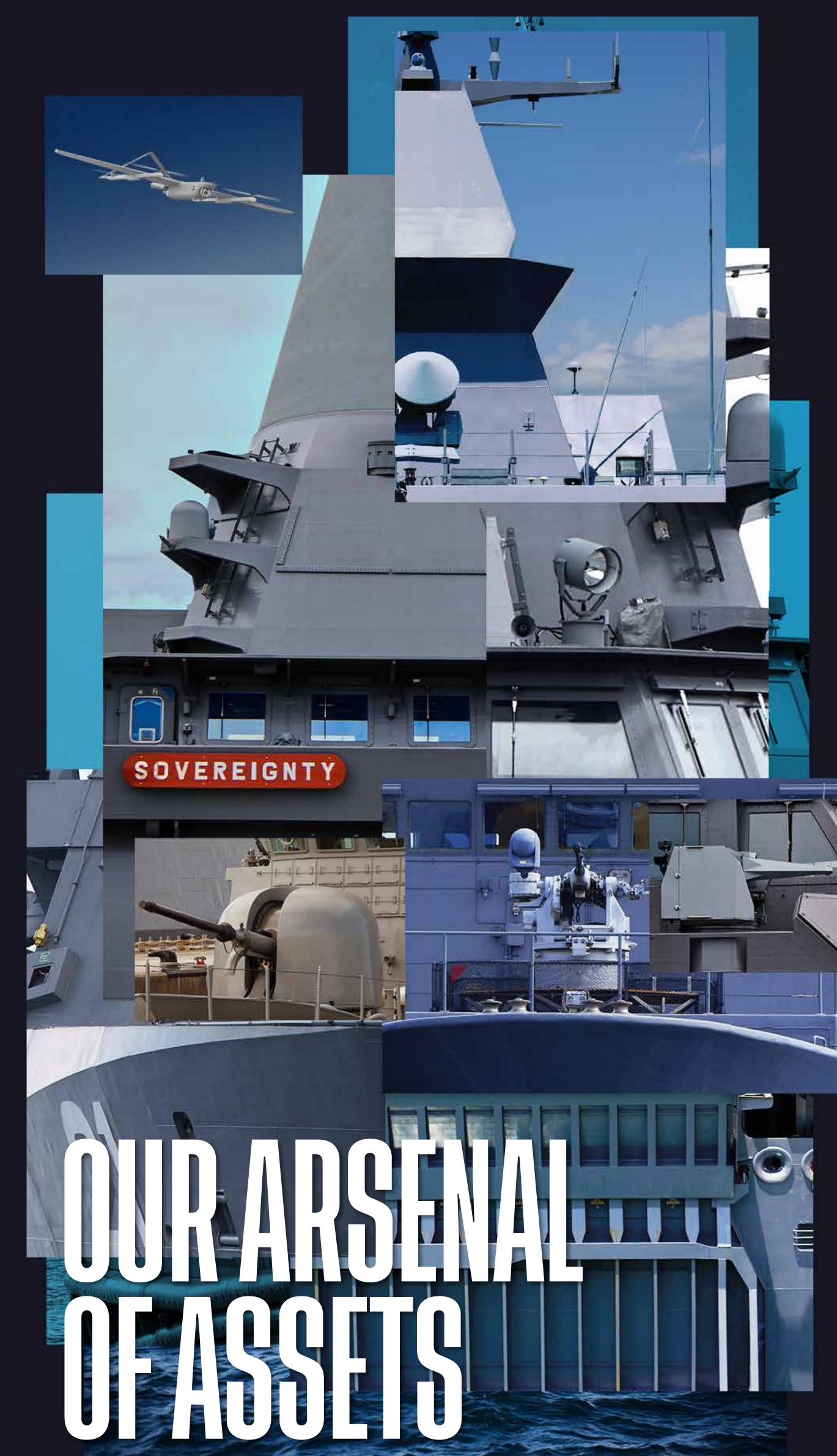
The Navy operates 24/7 in our waters, supported by surveillance and sense-making hubs ashore, while working closely with other maritime agencies and navies to ensure our seas are safe and secure for all.

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In peacetime, the Navy hones our warfighting capabilities. We are always ready to respond to the call of duty and work with friends and partners to protect the seas, which are global commons.

Should deterrence and diplomacy fail, the Navy will secure a swift and decisive victory for Singapore against any aggressor at sea.

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Submarines.

Warships.

Unmanned systems and naval aircraft.

The maritime domain may be complex and challenging, but the state-of-the-art assets that help us secure our everyday peace and security are more than up to the challenge.



# *ENDURANCE*-CLASS LANDING SHIP TANK

The Navy's largest ship, this platform transports personnel and equipment for overseas exercises and missions which span disaster relief to counterpiracy operations.





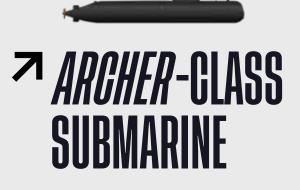


Fast, feisty and fearless, these are the speediest ships in the Navy's arsenal and the backbone of our strike capabilities.



# ► FORMIDABLE-GLASS FRIGATE

Armed with cutting-edge sensors and weapon systems, these versatile stealth warships are capable of engaging multi-dimensional threats faster and further.



These underwater hunters with enhanced stealth and endurance capabilities are armed with a hightech sonar and torpedoes, making them deadly even from great distances.

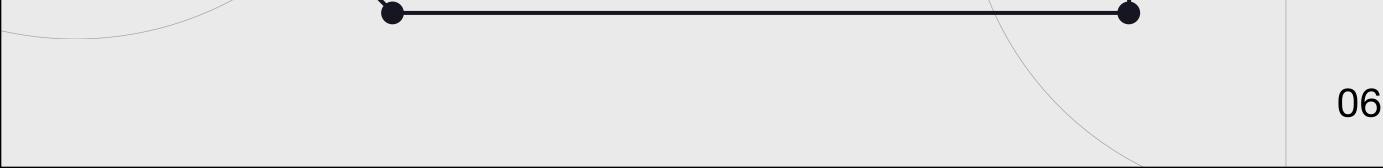


### ↗ //////CIBLE-CLASS SUBMARINE

Smarter, sharper and stealthier, the Navy's newest submarines are custom-built for Singapore's waters. With their improved endurance, sensors and firepower, nothing escapes these silent predators.



**DID YOU KNOW?** 



# MARITIME SECURITY COMMAND



## *¬ BEDOK*-CLASS MINE **COUNTERMEASURE VESSEL**

Its fibreglass hull lowers its magnetic and acoustic signature to reduce the risk of triggering mines, and its high manoeuvrability lets it turn 360° on its axis, making it the perfect hunter and destroyer of mines.



# ↗ INDEPENDENCE-CLASS LITTORAL MISSION VESSEL

Designed and built locally, this vessel's modularity makes it configurable for multiple missions. Its advanced combat capabilities, systems and improved automation make it mission-ready with a leaner crew.



# *¬ SENTINEL*-CLASS MARITIME SECURITY AND RESPONSE VESSEL

Equipped with a range of calibrated capabilities to deal with diverse maritime security threats, these vessels improve the Navy's operational flexibility and persistence to protect Singapore's territorial waters.





Tasked with chasing down and cutting off rogue vessels, the Navy's coastal interceptors boast unmatched speed and agility, backed by sophisticated sensors and communication systems.

# **UNMANNED SYSTEMS**



**MINE COUNTER-MEASURE UNMANNED SURFACE VESSEL** 

The Navy's next-generation mine hunters can be deployed rapidly and operated remotely with a leaner crew, all while weaving through heavy maritime traffic smartly.



→ SCANEAGLE UNMANNED **AERIAL VEHICLE** 

> Able to be launched and recovered by vessels, the Navy's eyes in the sky extend a ship's vision by about 100km for better surveillance, situational awareness and target identification.



### MARITIME **SEGURITY UNMANNED SURFACE VESSEL**

Capable of autonomous navigation, collision detection and avoidance in Singapore's dense and complicated maritime environment, these vessels enhance the Navy's surveillance, responsiveness and

### persistence at sea.



# AIRCRAFT



# PATROL AIRCRAFT ▼ FOKKER 50 MARITIME PATROL AIRCRAFT

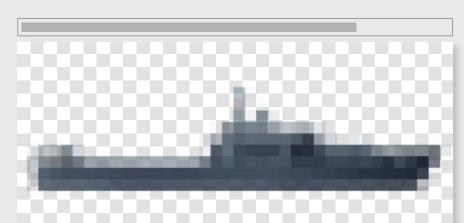
Configured for maritime patrols, this aircraft provides crucial maritime air surveillance over Singapore's sea lines of communication.

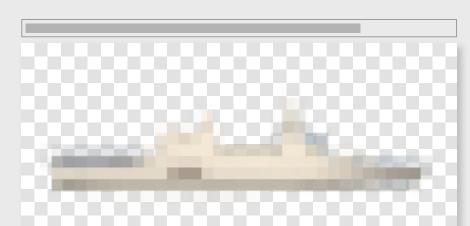


## ↗ S-70B SEAHAWK

With their state-of-the-art avionics, sensors and sense-making systems, these naval helicopters enhance the range and reach of the Navy's anti-surface and anti-submarine fighting capabilities.

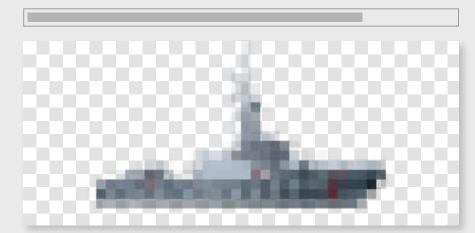
# IN DEVELOPMENT





# ANDING SHIP TANK REPLACEMENT

Capable of deploying unmanned systems, this new vessel will come equipped with extensive automation, improved medical support facilities and an advanced communication suite to better support large-scale multinational operations.

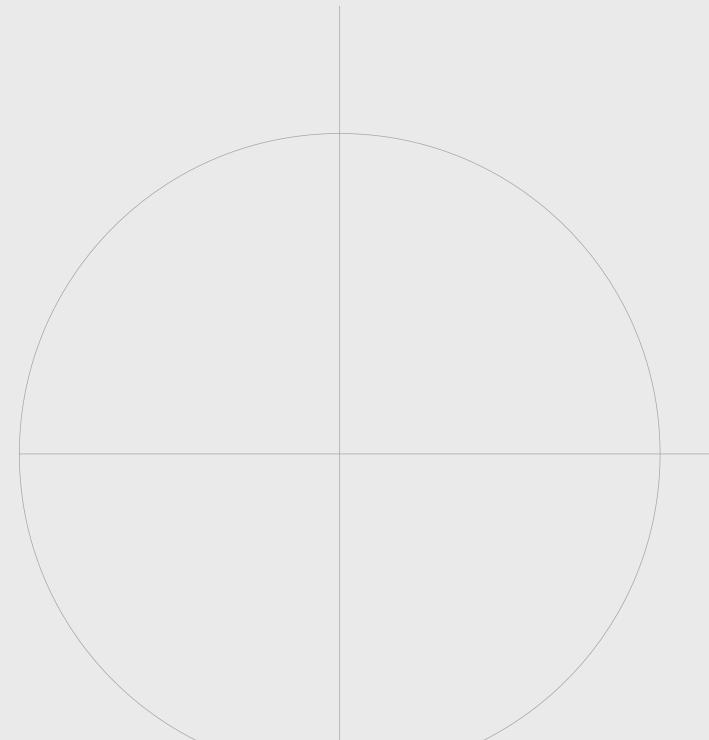


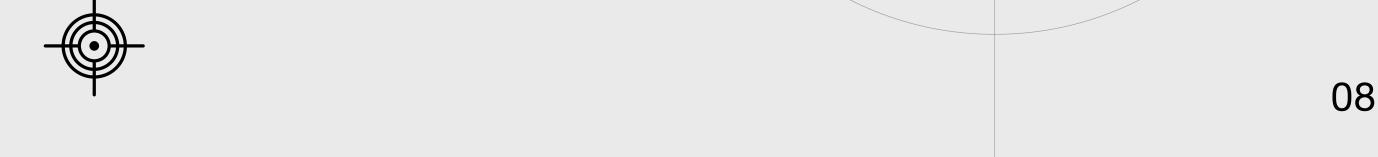
OFFSHORE PATROL VESSEL

Purpose-built to replace the Maritime Security and Response Vessels, this platform will be highly-manoeuvrable to operate in Singapore's congested waters and armed to handle a wide spectrum of maritime threats.

# MULTI-ROLE COMBAT VESSEL

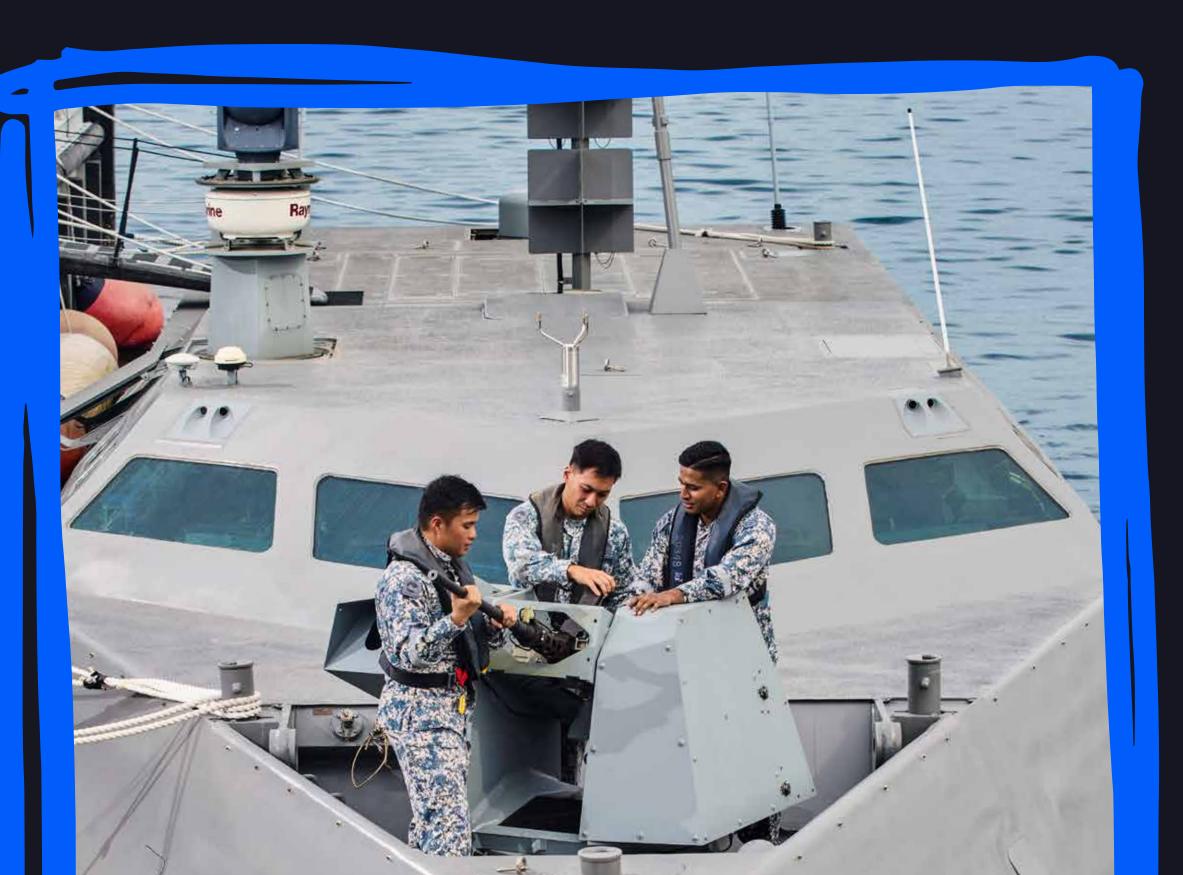
Replacing the Missile Corvettes, these mission-configurable warships will function as motherships for unmanned air, surface and underwater systems out at sea, giving them superior strike and surveillance capabilities.











# OUR PEOPLE



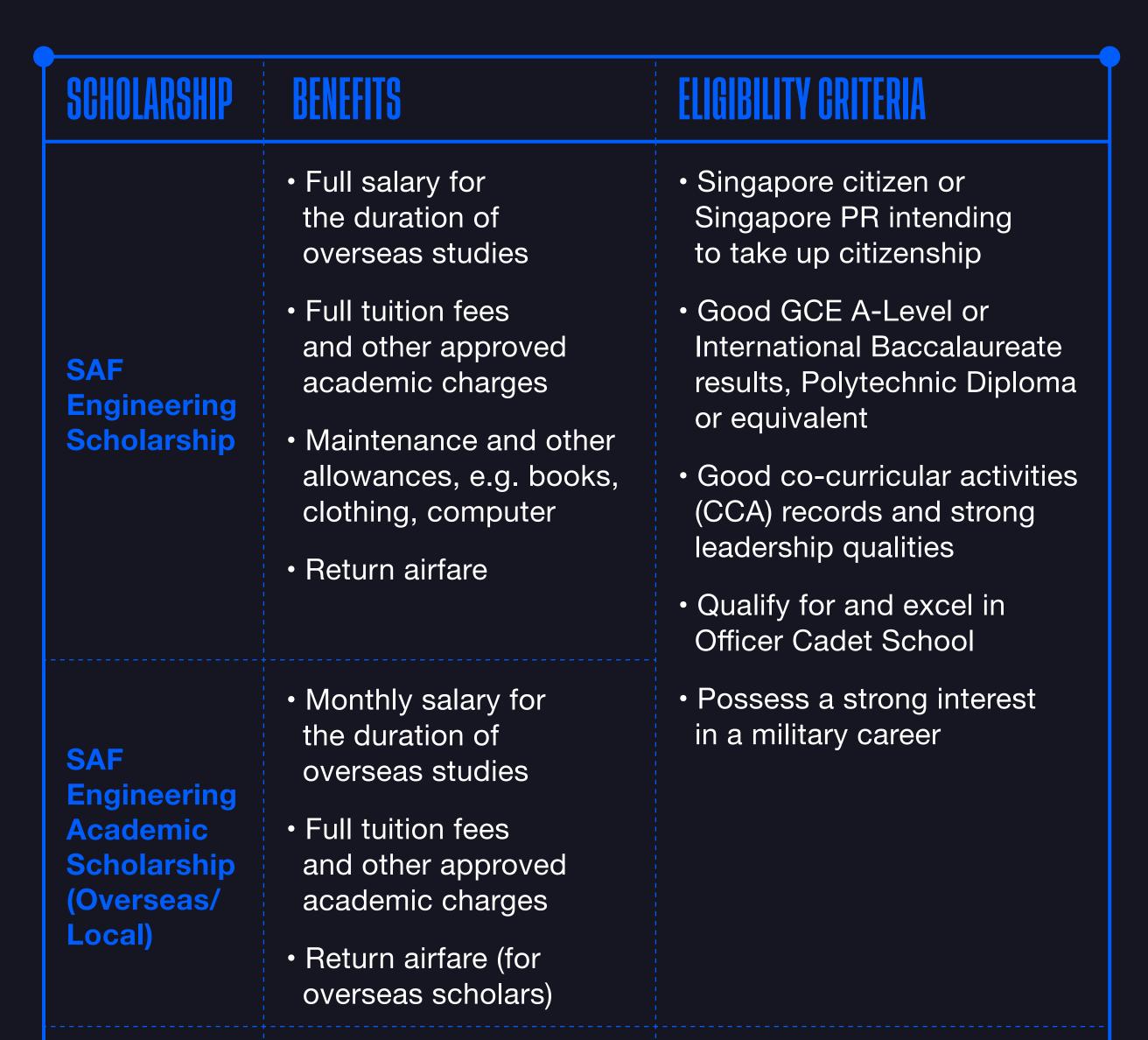
# ENGINEERED FOR EVERY CHALLENGE

Think you have the ingenuity, problem-solving skills and deep engineering expertise to be a **Naval Warfare System Engineer**? Let our warships, submarines, unmanned systems and state-of-the-art naval technology be the judge of that.

As you lead your team to keep our assets primed for action, you may also receive professional accreditation through the Institute of Marine Engineering, Science and Technology, putting you on par with some of the world's top engineers.

ACADEMIC QUALIFICATIONS	Degree in relevant Engineering discipline (e.g. Mechanical Engineering, Marine Engineering, Electrical Engineering, Mechatronics etc).	
STARTING         SALARY	<ul> <li>ME4 Trainee: \$5,010 - \$6,190 (Degree) \$3,210 (Diploma) \$2,980 (A-Level)</li> <li>ME4 (Apprentice): \$5,010 - \$6,190 (Degree) \$3,420 (Diploma) \$3,200 (A-Level)</li> <li>ME4: \$5,460 - \$6,640 (Degree)</li> <li>Mid-careerists will be assigned a salary based on years of relevant experience and educational qualifications.</li> </ul>	
ADDITIONAL	Ship board: \$500	
Allowances	Submarine: \$1,200	
BASIC	<ul> <li>Singapore citizen or Singapore PR</li></ul>	
REQUIREMENTS	intending to take up citizenship <li>Medically fit (PES B1 and above)</li> <li>Normal colour perception</li>	

Salary range is subject to change. The actual starting salary will vary based on holistic assessment of the candidate's qualities, educational qualifications, completion of full-time National Service, relevant work experience, and military performance against the requirements of the job. 11



SAF Engineering Award	<ul> <li>Annual allowance of \$14,200 during the course of your studies</li> </ul>	<ul> <li>Singapore citizen or Singapore PR intending to take up citizenship</li> </ul>
	<ul> <li>Full tuition fees and other approved academic charges</li> </ul>	<ul> <li>Good GCE A-Level or International Baccalaureate results, Polytechnic Diploma or equivalent</li> </ul>
Mid-term SAF Engineering Award	<ul> <li>Annual allowance, as well as sponsorship of tuition fees and other approved charges upon signing on</li> </ul>	<ul> <li>Good co-curricular activities (CCA) records and strong leadership qualities</li> </ul>
		<ul> <li>Qualify for and excel in Officer Cadet School</li> </ul>
	<ul> <li>Pro-rated lump sum back payment of tuition fees and annual allowance</li> </ul>	<ul> <li>Possess a strong interest in a military career</li> </ul>
		<ul> <li>Qualify for a place in a local university</li> </ul>
		<ul> <li>For Mid-term SAF Engineering Award: good academic results for the</li> </ul>

first semester of study at current university



# NAVAL WARFARE SYSTEM ENGINEER

### MILITARY DOMAIN EXPERTS SCHEME (MDES) BENEFITS

### **1. CAREER UNTIL AGE 60 ON FULL CPF TERMS**

### 2. EXPERT CONTINUOUS ENGAGEMENT & LEARNING (EXCEL) BONUS

28 months of MDES bonus in total, paid at three points in your career:

- Age 32 up to 12 months' bonus
- Age 40 up to 8 months' bonus
- Age 50 up to 8 months' bonus

### **3. FLEXIBLE BENEFITS**

An annual lump sum allowance will be disbursed to you so that you have the flexibility in using the money as and when you need it.

- Up to 10 years of service \$800 per year
- More than 10 years of service \$1,000 per year





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Despite what our title might suggest, we're responsible for more than just hardware and technical expertise.

Innovation. Logistics. Stakeholder coordination and support. Even manpower training and development. It's common for a Naval Engineer to be at the head and heart of these crucial processes.

"HERE'S WHAT EVERY NAVAL ENGINEER CAN FLEX IN THEIR TOOLKIT: CRITICAL THINKING, PROBLEM SOLVING, ADAPTA BILITY AND

# MANAGENIENT SKILLS." Me4 Jeevaneswaran muraleedharan, Naval warfare system engineer

While I love a good workout, nothing beats the adrenaline rush of solving complex problems on the spot. Put us in high-pressure, time-critical situations and that's where we thrive. The dynamic nature of our role definitely equips us with a skill set that's highly valued and relevant beyond the Navy.

Be it a shore-based or shipboard appointment, you'll work with cutting-edge technology and be a part of something bigger than yourself. Crazy? Hardly so. It's just all in a day's work for



### us Naval Engineers.

### **PERSONAL STORIES**



Beyond the various operations and exercises the Navy undertakes, what makes the Navy special is its distinctive, closely-knit Navy Family spirit. (Yes, you have to feel it to know it.)

Working and living together onboard a unique environment like our ships forges a sense of camaraderie and allows for enduring ties of kinship to be built amongst the crew, across all ranks.

Set sail on a journey with us and be part of our Navy Family.



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