

# MARITIME TRAINING SOLUTIONS & SERVICES

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Redefine Maritime Competencies



# LEADING-EDGE SIMULATION TRAINING

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The adoption of new technologies in ports, autonomous vessels and evolving maritime security threats continue to impact the maritime industry. Investment in human capital is therefore crucial in developing a highly skilled maritime workforce to ride the waves of opportunity while handling any challenges.

As the training and simulation specialists of ST Engineering, we enhance the safety and security of the maritime ecosystem through innovative training technologies, quality maritime training programmes and our expertise in port security.

Our comprehensive suite of simulation training solutions and services has accelerated training outcomes for individuals and teams. We have successfully deployed our maritime solutions for government agencies and countries across the globe, enabling safer coastlines around the world and making us a global leader in maritime security.



## Building navigational expertise

Enhancing individual skills or bridge team competencies through advanced ship and boat handling as they acquire practical skills in a realistic, safe and controlled environment.



## Enhancing operational readiness

Strengthening maritime and coastal security competencies through operational training in an immersive and realistic environment with the capability to simulate rapidly evolving maritime security threats.



## Ensuring resource optimisation

Overcoming traditional constraints of space and availability of training assets through portable technology-enabled solutioning for hands-on practice without the hassle of system downtime or provisioning of spares.

## OUR SOLUTIONS

### Operations & Command



#### > Integrated Ship Bridge Simulator

Trains shipboard officers and crew to operate a platform in an integrated and immersive training environment.

#### > Naval Combat Information Centre (CIC) Trainer

Provides a realistic synthetic mission environment for tactical training of naval ships and maritime air assets (e.g maritime patrol aircraft).

#### > Fleet Instrumented Sea Training System (FISTS)

Provides an immersive and realistic CIC training environment (fleet wide or standalone) by integrating virtual data with actual shipboard's combat systems for conducting live-virtual constructive war-gaming.

#### > Unmanned Surface Vessel (USV) Simulator

Provides a virtual environment to train personnel on the operations of Unmanned Surface Vessel.

### Security & Safety



#### > Incident Response Interactive Simulation (IRiS)

Training officers to respond effectively in an evolving maritime incident or situation.

#### > Damage Control Trainer (DCT)

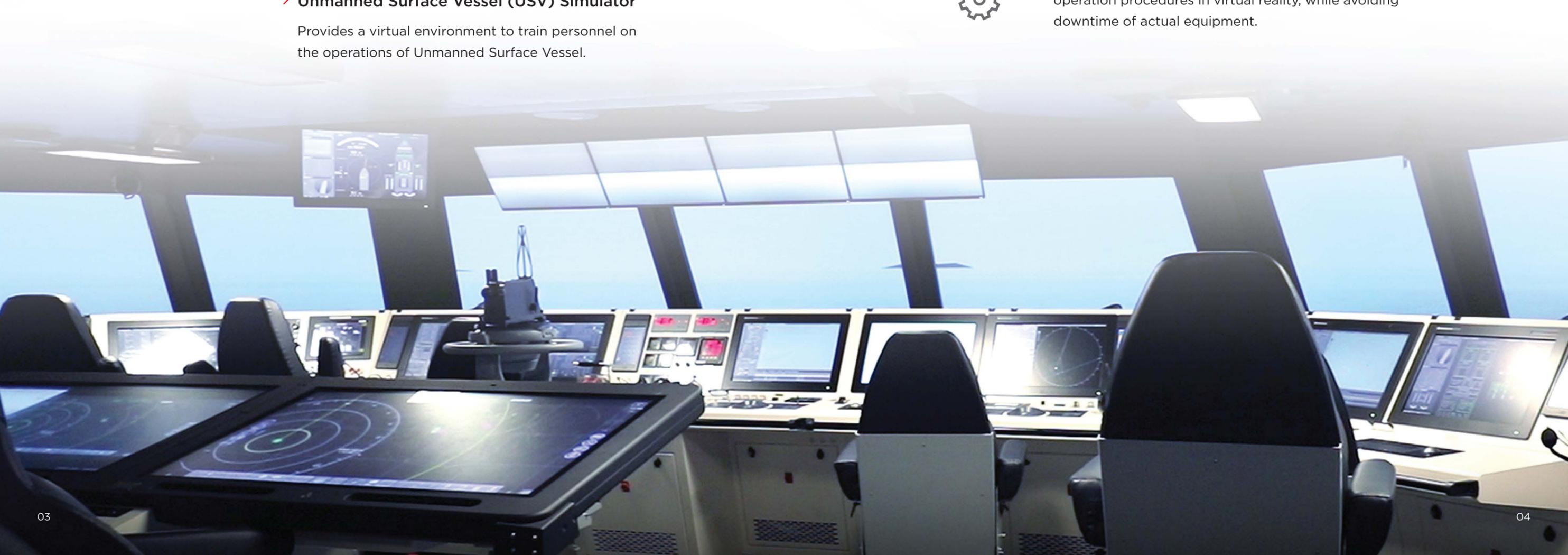
Facilitates development of practical skills on handling damage control and firefighting equipment through emergency-handling drills in realistic environments.

### Maintenance & Collaborative Training



#### > Collaborative VR Procedural Trainer (CVPT)

Enables collaborative team training of maintenance and operation procedures in virtual reality, while avoiding downtime of actual equipment.



## OUR SOLUTIONS

### Navigation and Shiphandling



> **Navigation and Shiphandling Virtual Boat Simulator**

Enables crew to enhance boat handling skills and application of Rule-of-the Road (ROR), while performing high-speed tactical manoeuvring and interception.

> **Ship Handling Simulator (SHS)**

Effective training for basic navigation, watch-keeping, collision avoidance, voice communications, low-speed manoeuvring and emergency procedures.

### Training & Consultancy



> **Training and Education Services**

Certified by the Maritime and Port Authority of Singapore (MPA) as an approved training provider, we conduct a wide range of merchant marine courses and training programs for shipboard operations. In addition, we also provide training design and instructional services to many government maritime agencies.

> **New Ship Training Services**

Provides design, development and delivery of integrated shipboard systems training for new ships, readying new crew to operate and maintain their new vessels.

> **Security Consultancy Services**

Provides consultancy in the development, implementation and management of security master plan and projects, design of security systems and measures, as well as the conduct of security audits and surveys.

> **Port Audit and Consultancy Services**

As a Recognised Security Organisation (RSO) by the MPA, we help clients to enhance security measures and reduce vulnerabilities in their ports and facilities.

[www.stengg.com](http://www.stengg.com)  
[trainingsimulation@stengg.com](mailto:trainingsimulation@stengg.com)

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