

# Smarter. Faster. Sharper.

The Republic of Singapore Navy's (RSN's) new Littoral Mission Vessels (LMVs) are smarter and faster ships, equipped with sharper capabilities. They will strengthen the RSN's ability to ensure the seaward defence of Singapore and protect our sea lines of communication.

## SHIP CHARACTERISTICS

Length: 80m  
 Beam: 12m  
 Draught: 3m  
 Displacement: 1,250 tonnes  
 Speed: In excess of 27 knots  
 Endurance: 3,500 nautical miles (up to 14 days)  
 Baseline complement: 23 crew members



KELVIN HUGHES SHARPEYE NAVIGATION RADAR

STELOP COMPASS D ELECTRO-OPTIC DIRECTOR

OTO MELARA 12.7MM HITROLE GUN

MBDA MICA ANTI-AIR / ANTI-MISSILE MISSILE SYSTEM

OTO MELARA 76MM GUN

THALES NS100 3D SURVEILLANCE RADAR

STELOP 360° ALL-ROUND SURVEILLANCE SYSTEM

RAFAEL 25MM TYPHOON GUN

SUPPORT MEDIUM-LIFT HELICOPTER

LAUNCH AND RECOVERY SYSTEM FOR RIGID HULL INFLATABLE BOAT

• REMOTE CONTROL LONG RANGE ACOUSTIC DEVICE INTEGRATED WITH XENON LIGHT  
 • WATER CANNON SYSTEM

## SMARTER SHIP

### INNOVATIVE OPERATING CONCEPTS

Integrated and centralised operation centre – comprising the Bridge, Combat Information Centre and Machinery Control Room – boosts effectiveness and efficiency, especially for maritime security operations (see inset).

### INNOVATIVE LOGISTICS & ENGINEERING DESIGN

Optimised logistics and engineering operations by designing the LMVs around these support processes.

### ADVANCED SENSE-MAKING & DECISION SUPPORT SYSTEMS

Numerous sense-making and decision support systems with a high level of automation allow for a leaner crew.

### NETWORK-CENTRIC DESIGN

Advanced and integrated communication & network system enables crew to communicate and share information on board and with subject matter experts ashore.

## FASTER SPEED

Capable of speeds in excess of 27 knots and can support a medium-lift helicopter and rigid hull inflatable boats that allow for rapid response to maritime security incidents. Greater endurance and ability to stay at sea for longer periods of time.

## SHARPER CAPABILITIES

### GREATER VERSATILITY

Configurable with different mission modules to cater to a wide spectrum of operations.

### CALIBRATED RESPONSES

Equipped with lethal and non-lethal options to deliver calibrated responses to deter and defend against a wide range of threats.

### HIGH-RESOLUTION SENSORS

Advanced radars and sensors and a 360° bridge provide all-round visual awareness of surroundings in congested waters.

## INTEGRATED COMMAND CENTRE

The co-location of the LMV's Bridge, Combat Information Centre and Machinery Control Room, known as the Integrated Command Centre, integrates and synergises the management of navigation, engineering, and combat functions. It also features windows on all sides, providing the crew with a 360° direct line-of-sight view.

