



MEDIA RELEASE

Singapore, 14 October 2024 | **For Immediate Release**

Expression of Interest to Design and Develop Electric Patrol Craft

The Maritime and Port Authority of Singapore (MPA) has issued an Expression of Interest (EOI) for design and development proposals for its electric patrol craft, as part of efforts to decarbonise and digitalise maritime operations.

2. In addition to meeting MPA's operational requirements, the designs must include safety features such as advanced battery management systems, secure battery compartments to maintain fire, gastight, and watertight integrity, and intelligent cooling systems for optimal thermal management. Proposals must also include efficient charging and battery replacement solutions to support extended operations.

3. The electric patrol craft designs must integrate autonomous and digital capabilities, including remote operation from shore-based control centres and advanced collision detection systems. Lightweight construction should be adopted to ensure vessels' operational performance while maintaining stability, seaworthiness, and energy efficiency.

4. Interested parties can visit the MPA website [go.gov.sg/mpa-eoi-epc](https://www.go.gov.sg/mpa-eoi-epc) for details and submission guidelines. Proposals must be submitted by 14 December 2024, 2359 hrs (Singapore time).

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About the Maritime and Port Authority of Singapore (MPA)

MPA was established on 2 February 1996 with the mission to develop Singapore as a premier global hub port and international maritime centre, and to advance and safeguard Singapore's strategic maritime interests. MPA is the driving force behind Singapore's port and maritime development, taking on the roles of port authority, maritime and port regulator and planner, international maritime centre champion, national maritime representative and a champion of digitalisation and decarbonisation efforts at regional

and international fora such as at the International Maritime Organization. MPA partners industry, research community and other agencies to enhance safety, security and environmental protection in our waters, facilitate maritime and port operations and growth, expand the cluster of maritime ancillary services, and develops maritime digitalisation and decarbonisation policies and plans, R&D and manpower development. MPA is responsible for the overall development and growth of the maritime domain and Port of Singapore. In 2023, Singapore's annual vessel arrival tonnage crossed 3 billion Gross Tonnage and remains the world's busiest transshipment hub, with a total container throughput of 39.0 million 20-foot equivalent units (TEUs).

For more information, please visit www.mpa.gov.sg/

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