

Maritime Singapore Green Initiative

The Maritime Singapore Green Initiative seeks to reduce the environmental impact of shipping and related activities and promote clean and green shipping in Singapore. It is a comprehensive initiative comprising three programmes - Green Ship Programme, Green Port Programme and Green Technology Programme.

In 2011, the Maritime and Port Authority of Singapore (MPA) pledged to invest up to S\$100 million over the next five years in the Maritime Singapore Green Initiative.

To further encourage companies to adopt environmentally-friendly shipping practices, enhancements were made to the Maritime Singapore Green Initiative, effective as of July 2013.

Maritime Singapore Green Pledge

The inaugural Maritime Singapore Green Pledge was signed on 12 April 2011. To date, 40 companies have pledged their commitment to promote and support clean and green shipping in Singapore.

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| 1. ABB Private Limited | 21. Maritime and Port Authority of Singapore |
| 2. AET Shipmanagement (Singapore) | 22. Masterbulk Pte Ltd |
| 3. American Bureau of Shipping | 23. M.T.M Ship Management Private Limited |
| 4. BP Singapore Pte. Limited | 24. Neptune Orient Lines Limited |
| 5. British Marine (Asia) Private Limited | 25. Nippon Kaiji Kyokai (ClassNK) |
| 6. Bureau Veritas Marine (Singapore) Pte Ltd | 26. Norgas Carriers Private Limited |
| 7. BW Maritime | 27. NYK Bulkship (Asia) Pte Ltd |
| 8. China Classification Society | 28. NYK Group South Asia Pte Ltd |
| 9. Det Norske Veritas Pte Ltd | 29. Ocean Tankers (Pte) Ltd |
| 10. Evergas | 30. Pacific International Lines (Pte) Ltd |
| 11. Germanischer Lloyd | 31. PSA Corporation Ltd |
| 12. Hamburg Süd Hong Kong Limited | 32. RINA Hong Kong Limited Singapore Branch |
| 13. Hong Lam Marine | 33. Sembcorp Marine |
| 14. Hanjin Shipping | 34. Shell Marine Products |
| 15. IMC Industrial Group | 35. Singapore Shipping Association |
| 16. Jurong Port Pte Ltd | 36. ST Shipping & Transport Pte. Ltd |
| 17. Keppel Offshore & Marine | 37. Tolani Shipping (Singapore) Pte Ltd |
| 18. Korean Register of Shipping (KR) | 38. Wallenius Wilhelmsen Logistics AS (Singapore Branch) |
| 19. Lloyd's Register Asia | 39. Ultrabulk Shipholding (Singapore) Private Limited |
| 20. Maersk Line - Asia Pacific Region | 40. Wan Hai Lines |



Do your part in protecting and safeguarding the environment. Come forward and sign the Maritime Singapore Green Pledge. Visit www.mpa.gov.sg for more details.

Maritime Singapore Green Initiative



MPA
SINGAPORE

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GREEN SHIP PROGRAMME

What is the Green Ship Programme?

The Green Ship Programme encourages Singapore-flagged ships to reduce carbon dioxide (CO₂) and sulphur oxides (SO_x) emissions.

How does it benefit you?

Qualifying Singapore-flagged ships can enjoy a reduction of Initial Registration Fees and a rebate on Annual Tonnage Tax.

- Ships that adopt energy efficient ship designs exceeding IMO's Energy Efficiency Design Index (EEDI) will enjoy 50% reduction of Initial Registration Fees and 20% rebate on Annual Tonnage Tax.
- Ships that adopt approved SO_x scrubber technology exceeding IMO's emission requirements will enjoy 25% reduction of Initial Registration Fees and 20% rebate on Annual Tonnage Tax.
- Ships that adopt both energy efficient ship designs and approved SO_x scrubber technology exceeding IMO's requirements will enjoy 75% reduction of Initial Registration Fees and 50% rebate on Annual Tonnage Tax.

How do you qualify?

To qualify for incentives relating to the adoption of energy efficient ship designs, ship owners can submit a copy of the International Energy Efficiency (IEE) Certificate or pre-verification report as proof that the attained EEDI of the ship exceeds IMO's requirements on EEDI for that particular ship type and size (at the time when the incentives are to be applied).

To qualify for incentives relating to the adoption of approved SO_x scrubber technology, ship owners are to make an application to MPA. The application is to include supporting documents showing the installation of the scrubber and the emission reductions achieved.

Submissions can be made via email to marine@mpa.gov.sg. Ships that qualify for the Green Ship Programme will be given a "Green Letter of Recognition" issued by MPA. The "Green Letter of Recognition" will also be given to the company owning the qualifying ship.

For more details, please refer to Shipping Circular No. 7 of 2013 and Shipping Circular No. 12 of 2011 available at www.mpa.gov.sg and the Singapore Registry of Ships website www.srs.sg.



GREEN PORT PROGRAMME

What is the Green Port Programme?

The Green Port Programme encourages ocean-going ships calling at the Port of Singapore to reduce the emission of pollutants.

How does it benefit you?

Ocean-going vessels that use type-approved abatement/scrubber technology¹ or burn clean fuels²:

- During the entire port stay (5 days or less) within the Singapore Port Limits (from the point of entry into Singapore Port Limits till the point of exit) will be granted 25% reduction in port dues; or
- Only while at berth will be granted 15% reduction in port dues.

How do you qualify?

Shipowners/Charterers must fulfil all of the following criteria to qualify:

- The Green Port Programme is only valid for ocean-going vessels. This port dues reduction is not applicable to harbour or pleasure craft.
- Vessels currently under annual port dues scheme may participate and enjoy the port dues reduction if the vessel uses type-approved abatement/scrubber technology or burn clean fuels for every call to Singapore.
- To qualify for the 25% reduction in port dues (ie. throughout entire port stay), the following must be adhered to:
 - Vessels using type-approved abatement/scrubber technology should maintain its use throughout the port stay (from point of entry into Singapore Port Limits till point of exit).
 - Vessels burning clean fuels should initiate the switch to clean fuels for the main engine and auxiliary engine before entering Singapore Port Limits. The use of clean fuels should be maintained throughout the port stay to qualify for the concession.
- To qualify for the 15% reduction in port dues (at berth only), the following must be adhered to:
 - Vessels using type-approved abatement/scrubber technology should maintain its use while at berth to qualify for the port dues reduction.
 - Vessels burning clean fuels should initiate the switch to clean fuels for the main and/or auxiliary engine within 1 hour after completion of berthing. The use of clean fuel should be maintained throughout while the vessel is at berth. The switch over from clean fuels should only be initiated 1 hour before unberthing.
- Supporting documents should be kept for a period of one year from the time of declaration and made available to MPA upon request.

Interested applicants can email greenport@mpa.gov.sg.



GREEN TECHNOLOGY PROGRAMME

What is the Green Technology Programme?

The Green Technology Programme encourages local maritime companies to develop and adopt green technologies.

How does it benefit you?

The Green Technology Programme provides a grant of up to 50% of total qualifying costs to co-fund the development and adoption of green technological solutions/ systems. Grants are capped at S\$2 million per project, with an increase cap of S\$3 million per project for solutions/systems which can achieve more than 10% reduction in emission levels³.

How do you qualify?

The Green Technology Programme is open to Singapore-registered companies engaging in maritime related businesses like terminal operations, ship operations and harbour craft operations.

Where projects involve ships or harbour craft, the ships or harbour craft must be Singapore-registered and must remain under the Singapore Registry of Ships for a specified period upon completion of the project.

Projects should also meet the following criteria:

- Have verifiable emissions (SO_x, NO_x, CO₂) reduction results that comply with industry performance guidelines.
- Have not been commonly deployed in the maritime industry.
- Should be type approved where relevant.
- Have system integration design and retrofitting or installation done in Singapore.

Interested applicants can email mint@mpa.gov.sg.

¹ The abatement/scrubber technology should be type-approved in accordance with IMO guidelines for reducing oxides emission.

² Clean fuels are defined as fuels with sulphur content of less than 1.00% m/m in this programme.

³ The grant is limited to 2 successful applications per company per year, where the 2 technological solutions/ systems developed and adopted shall be different from each other and from previous application(s). Exceptions may be considered if the technology is similar, but the area of application is different.