The Singapore-Australia Green and Digital Shipping Corridor

Bringing the corridor to life

The Singapore-Australia Green and Digital Shipping Corridor (GDSC) is advancing efforts to accelerate decarbonisation and digitalisation of the maritime sector. Bilateral collaboration remains focused on reducing shipping emissions across trade routes, supporting sustainable economic growth and delivering shared climate objectives.

GDSC's clear objective

As global maritime decarbonisation discussions continue and energy supply disruptions persist, the GDSC provides an increasingly important platform to:

- bring zero- or near-zero greenhouse gas emission maritime fuels into supply
- boost maritime and port efficiency through digitalisation
- support and scale emerging maritime innovations that cut emissions.

Recent developments

The Maritime and Port Authority of Singapore (MPA) and Pilbara Ports Authority are collaborating to validate the Technical Reference for Ammonia Bunkering (TR 148), developed by MPA and Enterprise Singapore, through bunkering trials at their respective ports. The collaboration aims to build practical experience and further refine the technical standards and operational requirements to support the safe and scalable adoption of ammonia bunkering globally.

GDSC grants program

A grants program to support pilot, trial and practical projects and bring the GDSC to life has been established by the Australian Department of Foreign Affairs and Trade (DFAT). Through a closed, non-competitive grants arrangement, the program will fund the 4 Australian port authorities (Pilbara, Fremantle, Victoria and Gladstone) directly involved in the corridor. Working in close consultation with the Department of Infrastructure, Transport, Regional Development, Communications, Sport and the Arts and in partnership with MPA and DFAT, these authorities will co-develop projects to test low-emissions fuels and technologies in real-world shipping and port environments. The projects will help reduce risks and improve operational performance.

For more information:

Singapore and Australia Green and Digital Shipping Corridor

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Maritime | Department of Infrastructure, Transport, Regional Development, Communications, Sport and the Arts

Singapore-Australia Green Economy Agreement

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