

MARITIME 5G

by

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Digital Bunkering



Telemedicine & Drone Medicine Delivery



Incident Management

The Maritime and Port Authority of Singapore (MPA), in collaboration with the Infocomm Media Development Authority (IMDA) and M1, is putting in place a comprehensive 5G mobile network coverage across Singapore's major anchorages, fairways, terminals, and boarding grounds by end-2025.

The 5G connectivity will allow real-time data exchange to support innovative applications such as telemedicine for timely remote medical assistance for crew members on board ships that call into the Port of Singapore and smart video and sensor analytics for incident management, and unmanned operations. It will also strengthen the ecosystem supporting digital bunkering—an initiative that is estimated to reduce up to 40,000 man-days annually. Beyond these, the 5G coverage is expected to provide high bandwidth and low latency connectivity for port users, facilitate innovation and accelerate broader adoption of maritime digitalisation.