



# GMN | The Global MTCC Network

A global network for energy-efficient shipping

## GMN Phase II

Anton Rhodes – GMN Project  
Manager

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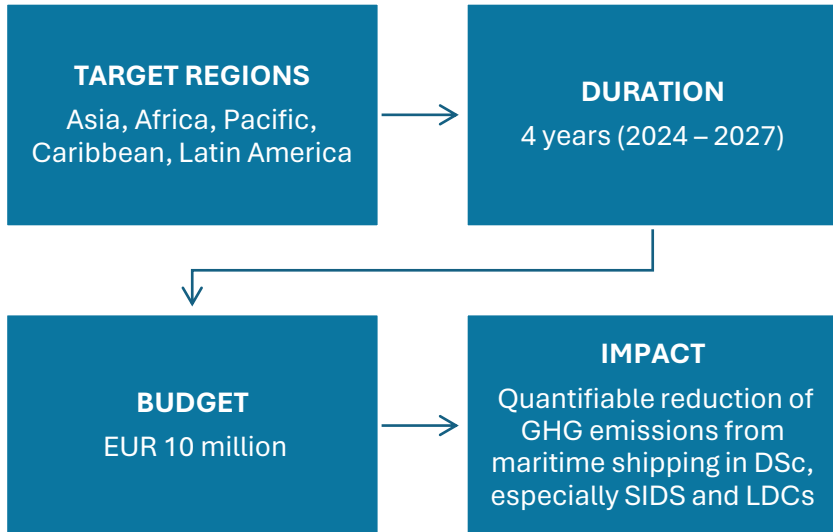
# GMN | The Global MTCC Network

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## GMN Phase II

Facilitating the introduction of portside energy efficiency measures and technologies and the retrofitting of domestic vessels.



# GMN II - Specific objectives



Uptake of technologies and infrastructure for increased energy efficiency in ports and on ships



Strengthened capacities of maritime and port authorities, shipping industry for maritime energy efficiency



Strengthened public-private sector partnerships for increased promotion, investment and uptake



Strengthened capacities of regional women's organizations/networks on maritime energy efficiency, related technologies



# MTCC PACIFIC

Maritime Technology Cooperation Centre

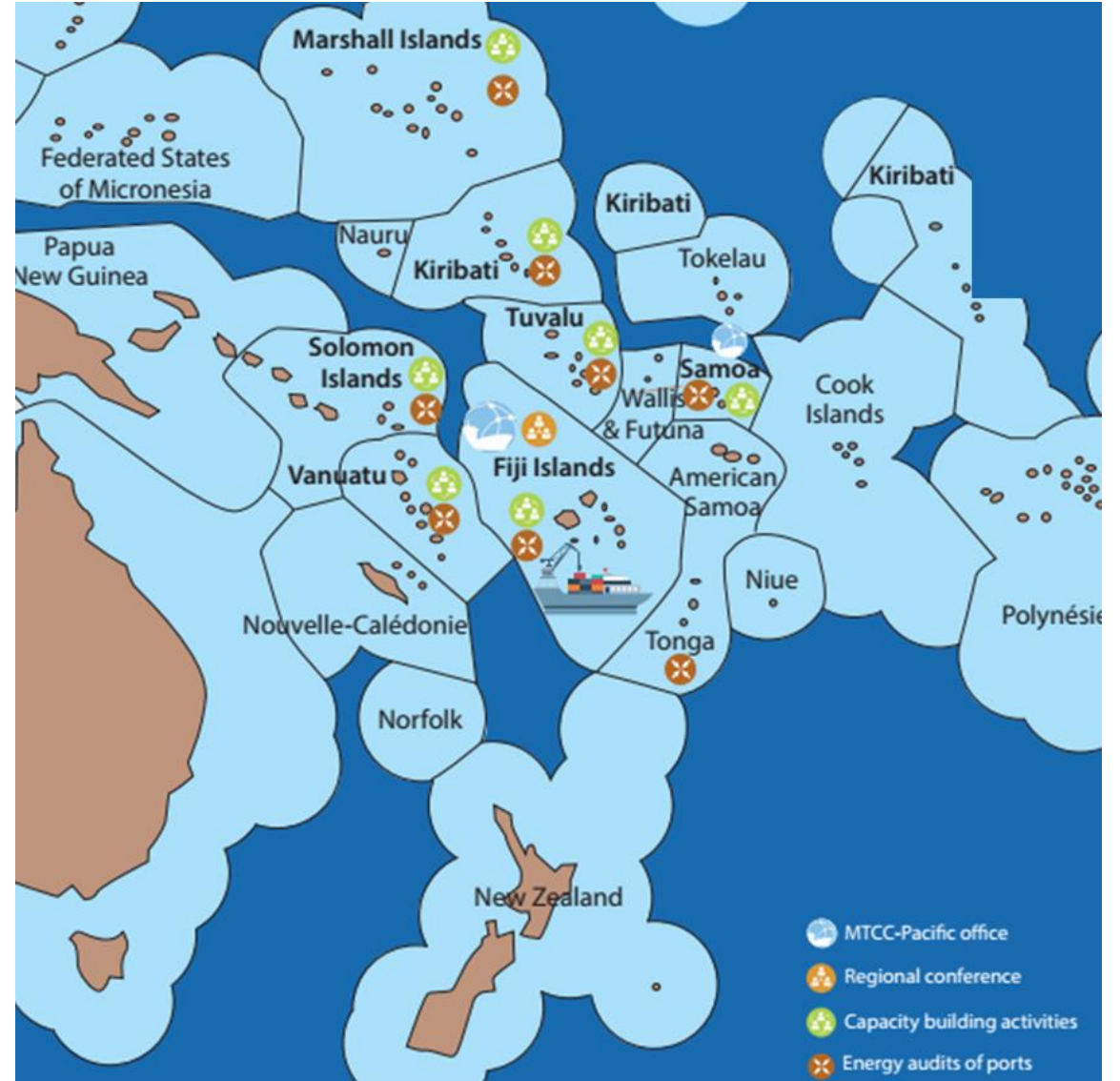


Pacific Community  
Communauté du Pacifique

HOST INSTITUTIONS  
OF MTCC-PACIFIC



**SPREP**  
Secretariat of the Pacific Regional  
Environment Programme



**Phase 1 Pilot Project (2017 – 2021)**



**LC Tiwi Trader - Vanuatu**

- ✓ Consistent approach to improve safety and energy efficiency
- ✓ Uptake of a renewable energy technology



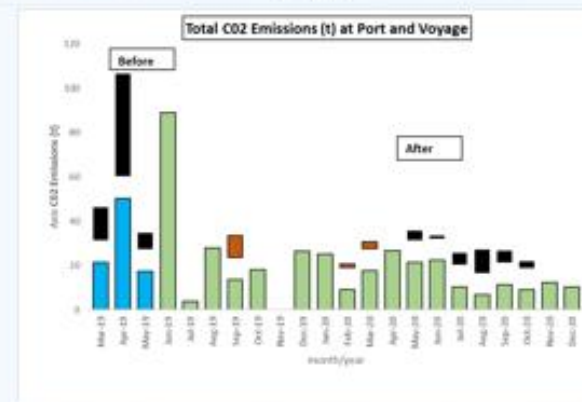
**Marine Solar System**

- ✓ 5.49kWp stand-alone solar power system for lighting, air conditioning, fresh water pump and general purpose outlet (cooking).



**Savings**

**58%**



Slide provided by MTCC- Pacific



**Phase 1 Pilot Project (2017 – 2021)**



**Level 2 Port Energy Audit (3)**  
Support the implementation of Energy Management through policies and plans and long-term project to reduce GHG emissions.

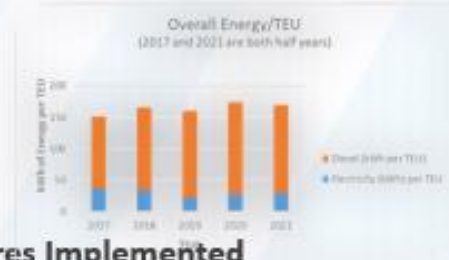


**Level 1 Port Energy Audit (10)**  
Enabling environment for improved efficiency of port infrastructure and operations, and reduce environmental impact



**Global problem, local actions**  
Video putting the spotlight on Solomon Islands Port Authority as part of a global project to help tackle climate change.

Slide provided by MTCC- Pacific



**Measures Implemented**

- > Led lighting upgrades & “Switch the light”
- > Power correction factor



**Savings**

- > FPCL and FPTL together are saving approximately FJ\$ 380,000 annually on energy costs.
- > Saved 185,760 kWh in the 12 months which reduced 160 tonnes of Greenhouse gas emissions

**Pacific Ports 2030-2050**

- > A vision of resilient, green and clean ports in the Pacific



# Next steps in the Pacific



Implementing Partnership Agreement – QUARTER 2 2024



Detailed budgets and workplans – QUARTER 2 2024



MTCC staff recruited – QUARTER 3 2024



MTCCs commence activities QUARTERS 3 – 4 2024



# Conclusion

- Building on Phase I success
- Technology focused
- Engagement with regional stakeholders



# GMN II PROJECT TEAM



arhodes@imo.org