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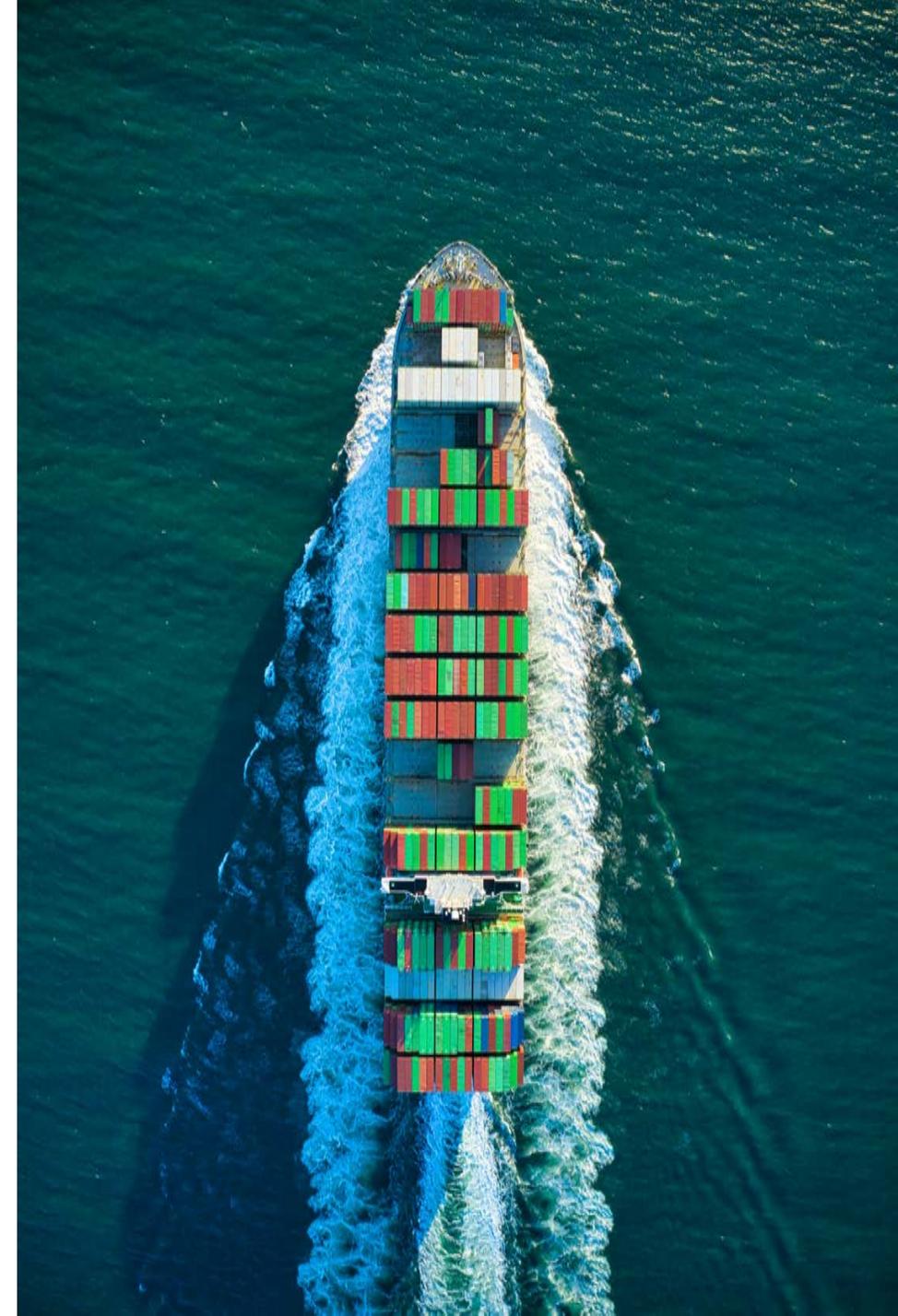
The Role of the Green Port Concept in Promoting a Sustainable Blue Economy



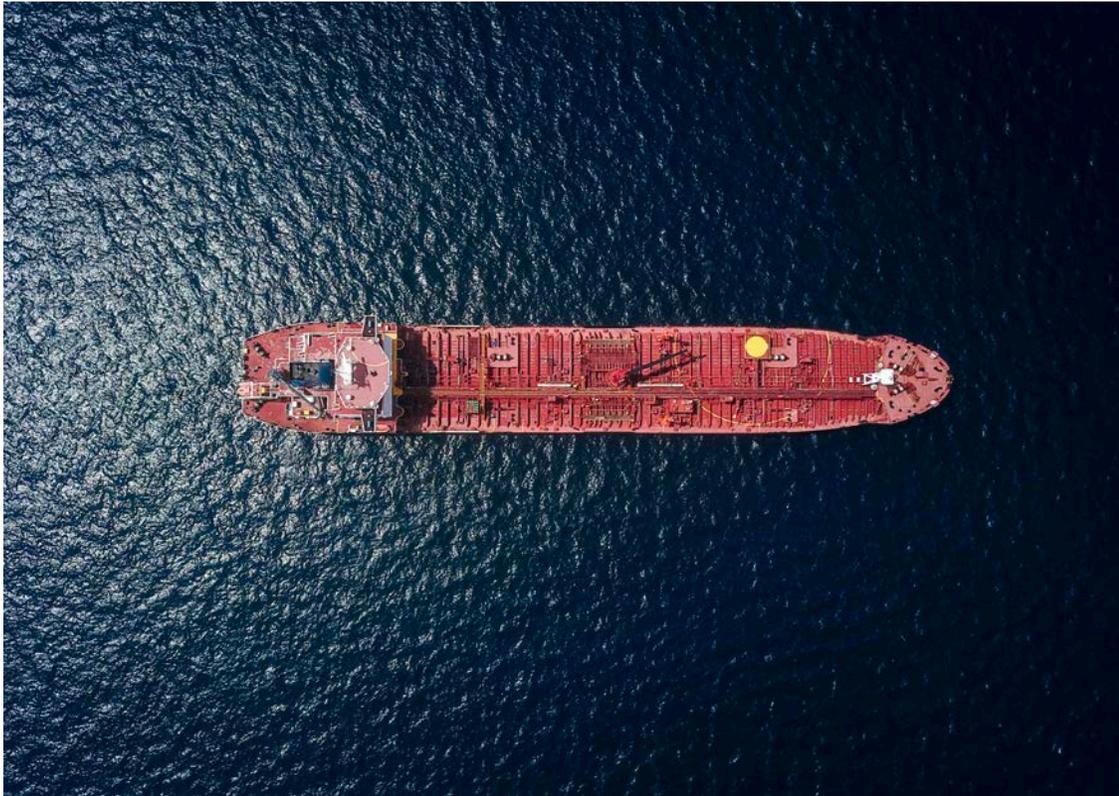
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Blue economy is the sustainable use of ocean resources for economic growth, better living standards, and healthy marine ecosystems.



Green port concept focuses on minimizing environmental impact, ensuring stakeholder engagement, and promoting sustainable growth.



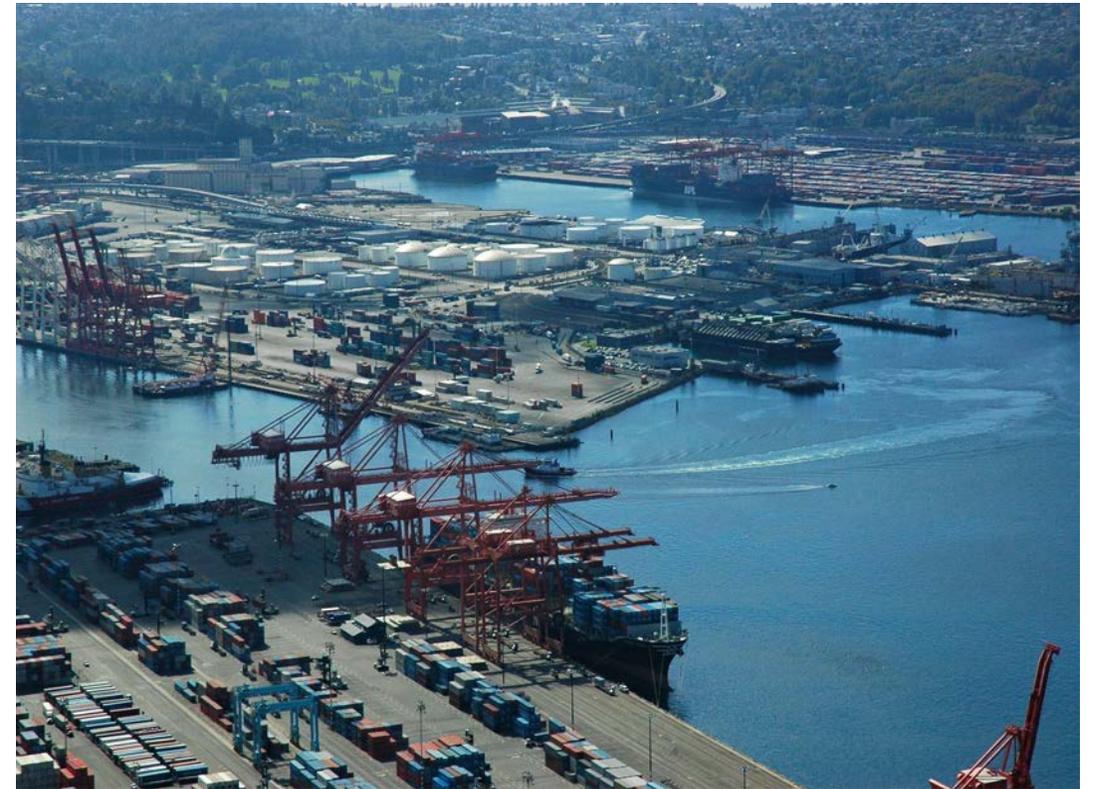
No	Components of the concept	Details
1	Renewable energy and efficiency	Solar and wind power use; shore-side electricity systems; zero-emission equipment; low- and zero-emission fuels; reduced dependence on fossil fuels.
2	Sustainable transport systems	Electrification of port equipment; promotion of rail and intermodal freight transport; reduction of CO ₂ emissions; investment in sustainable logistics solutions.
3	Waste management	Waste reduction and recycling; modern wastewater treatment; compliance with environmental standards; minimisation of negative environmental impact.
4	Air and water quality, ecosystem protection	Use of clean energy; emission reduction and decarbonisation; ballast water and oil spill management; ecosystem protection and carbon offsetting.
5	Smart Port Digitalisation	Automation and AI for efficiency; emission monitoring systems; data-driven decision-making; transparency in environmental reporting; sustainability-focused digital strategy.

Clean energy hubs for port-city synergy: port of Seattle

Clean energy
strategy

Zero
emissions

Infrastructure
modernisation



Scaling blue economy solutions through port-city partnerships: Dar es Salaam and Tanzania

Port-city
cooperation

Green
transport

Renewable
energy &
biodiversity



Shore power integration for decarbonisation: Guangzhou Port Authority

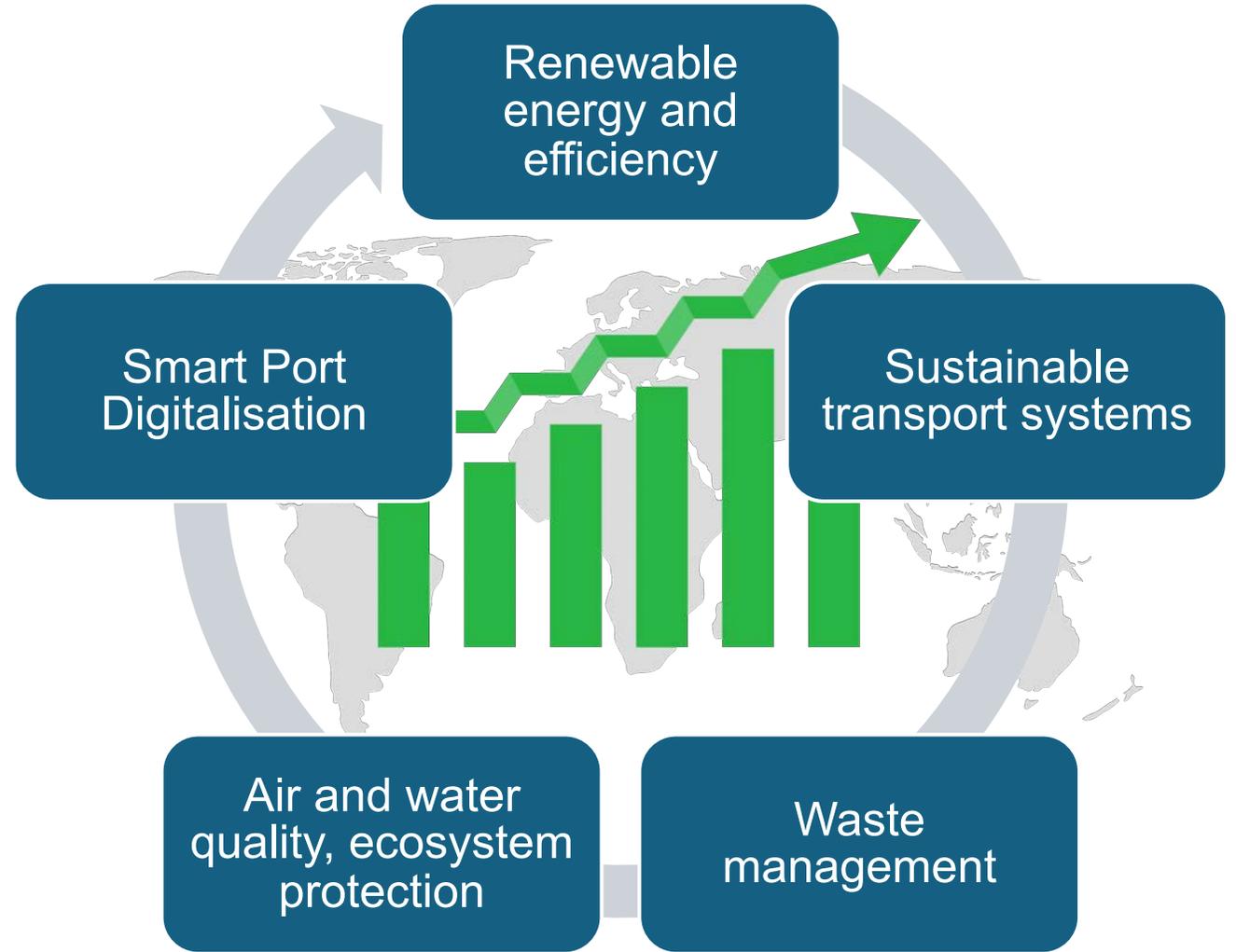
Shore power

Clean fuels

Decarbonised
shipping



The green port concept plays an essential role in promoting a sustainable blue economy by integrating eco-innovations, reducing environmental impact and supporting harmonious development of maritime regions.



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