

An aerial photograph of a port and industrial facility, likely a refinery or chemical plant, situated along a large body of water. The facility features several large white spherical storage tanks, numerous industrial buildings, and a complex network of pipes and cranes. In the foreground, there are several large barges and ships docked at the pier. The background shows a cityscape and a river or bay. A semi-transparent white box is overlaid on the right side of the image, containing the title and subtitle in green text.

Sustainable Maritime Energy Transition

Green Ports,
Shipping Corridors, Regional Inland Corridors
and Energy Transition

October 2024

2022- 2024 investment in Ports and Maritime Transport Sector



Since 1967, the Bank has supported our regional member countries in implementing more than 450 transport projects, investing more than USD 30 billion in transport infrastructure

Project Name	Location	Approved Date	Contribution (UA, USD & EUR)	Purpose
Union of Comoros Port Modernization and Expansion programme	Union of Comoros	July 2024	RO ADF - UA 97.3 million PBA ADF - 2.7 million UA TSF - 1.5 million UA	Increase the capacity of Moroni and Boingoma ports. The investment seeks to incorporate climate resilience and green ports decarbonization measures.
Development of Nador West Med activity zone	Kingdom of Morocco	May 2024	AfDB - EUR 120 million	Strengthen and diversify Morocco's port offering, thus consolidating its role as an industrial logistics platform in the Western Mediterranean
Port of Cotonou rehabilitation and expansion project	Benin	July 2023	AfDB - EUR 96.6 million AGTF - EUR 25 million CACF - EUR 16.6 million + USD 425,000	Renovation of old, obsolete infrastructure and incorporates renewable energy and climate resilience measures
Takoradi Floating Dock Project	Ghana	May 2023	AfDB - USD 23.03 million AGTF - USD 11 million	Increase the capacity and scope of services
4th Banjul Port Expansion	Gambia	November 2022	ADF - USD 20.56 million GCA - USD 450,000	Facilitate port efficiency improvement, and Incorporate climate resilience measures and green ferries

* AGTF : Africa Growing Together Fund / CACF : Canada – African Development Bank Climate Fund

* ADF : African Development Fund / GCA : Global Centre on Adaptation

Key Strategies to Sustainable Maritime Energy Transition

Definition of national Green Ports, Green Shipping and Energy Optimization strategies/action plans

National GHG emissions assessment schemes : Undertake GHG emissions assessment initiatives to inventorize GHG emissions levels and identify opportunities for optimizing environmental sustainability in ports, shipping corridors and energy transition

Potential Green Ports, Green Shipping and Energy Optimization strategies

- **Energy Efficiency** : Implement measures to optimize energy use in port operations, such as upgrading equipment, improving building insulation, and using smart energy management systems.
- **Renewable Energy** : Develop and integrate renewable energy sources like solar and wind power to displace fossil fuels
- **Electrification**: Transition to electric vehicles and equipment for port operations, powered by clean electricity
- **Energy Storage**: Utilize energy storage technologies to integrate renewable energy sources and ensure reliable power supply
- **Bunkering Hubs**: Mapping of strategic locations for alternative fuel bunkering hubs and development of facilities for alternative fuel supply

Green Ports, Green Shipping and Energy Optimization incentive recognition schemes

Incentive and recognition schemes : Develop Green Port Certification Schemes and Give Incentives to Green Vessels (Environmental Ship Index Scheme)

Partnerships and Collaboration

Foster collaboration between governments, international organizations, private sector actors, and local communities to mobilize resources and expertise for energy transition.

AfDB's Approach to the Sustainable Maritime Energy Transition in Ports, Maritime Transport and Logistics



Support national measures



Create national green ports and shipping investment programs



Embrace and encourage mainstream use of IMO mechanisms and procedures

Purpose

- Reduce port emissions
- Establish green, smart African ports and shipping corridors.

Details

- Undertake Rapid assessment to pave way for developing National action programs to support mainstreaming of green ports implementation

Purpose

- Facilitate the development of clean energy mechanisms
- Decarbonize maritime transport

Details

- Investment-ready green transition programs for ports and shipping corridors
- Port Connection between green ports in Africa

Purpose

- Implement the updated ambitions of the IMO Greenhouse Gas reduction strategy

Details

- Capacity-building and potential green ports certification program in Africa

Pathways for Decarbonization in Ports, Maritime Transport and Inland Logistics

