



PORT OF TARANTO

PORT NETWORK AUTHORITY OF THE IONIAN SEA

PORT GREEN

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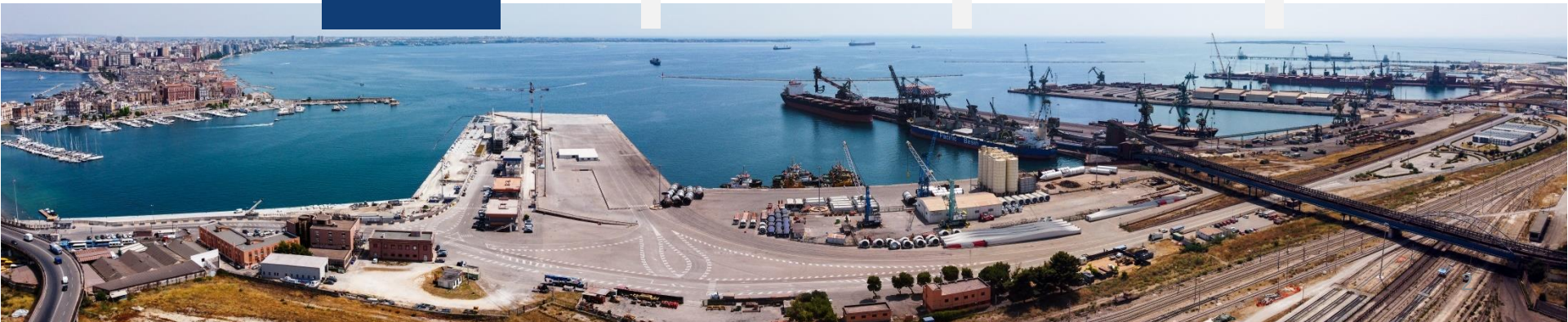
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The Three-year Operational plan 2023-2025

The Plan includes a set of 6
main objectives

- Resulting from a **consultative survey**
- enforcing the **Port 6.0 model**

The plan for 2023-2025
provides for a **multi-level
programming** covering a
number of sectors

- **commerce and logistics**
- **cruising, tourism and port-city relations**
- **Industry and infrastructure**
- **Economic and environmental sustainability**

BUSINESS
INTELLIGENCE
DIGITAL
OPERATIONS

SUSTAINABILITY
ECOLOGICAL
AND
ENERGY
TRANSITION

PORT AND
TERRITORY

PORT
INFRASTRUCTURE AND
LOGISTICS

INTERNATIONALIZATION

GOVERNANCE
AND
ACCOUNTABILITY

PORT GREEN

Taranto Smart Green Port The Environmental Energy Planning Document

«The planning of the port system must be respectful of the criteria of energy and environmental sustainability, in line with the policies promoted by the current European directives on this subject».

The Italian Port Network Authorities promote the adoption of **Environmental Energy Planning Documents (EPPD)** 'with the aim to pursuing adequate objectives, with particular reference to the reduction of CO2 emissions'.

In 2019, the PNAIS adopted its own **Energy transition and environmental strategy thanks to the "DEASP"** (link: <https://bit.ly/3wuxb27>) the document for energy and environmental planning of our Port Authority to make Taranto a smart green port.

The strategies identified by the EPPD concern not only the reduction of consumption resulting from energy efficiency but also the incentives to the use of new energy sources and the integrated management of the port from both an energy and environmental points of view.

Reduce energy consumption of boats, from large ships to small service boats.

Reduce energy consumption of buildings and port structures and infrastructures.

Support the development of measures for encouraging new energy efficiency works as well as renewable energy production plants.

Promote the transition towards an Integrated Port Management as a «port grid».

Promote Public Private Partnership (PPP) and Third Party Fundings.

Promote the knowledge and awareness of all interested parties on the environmental issues in order to share concrete objectives and actions for the benefit of the whole local community.

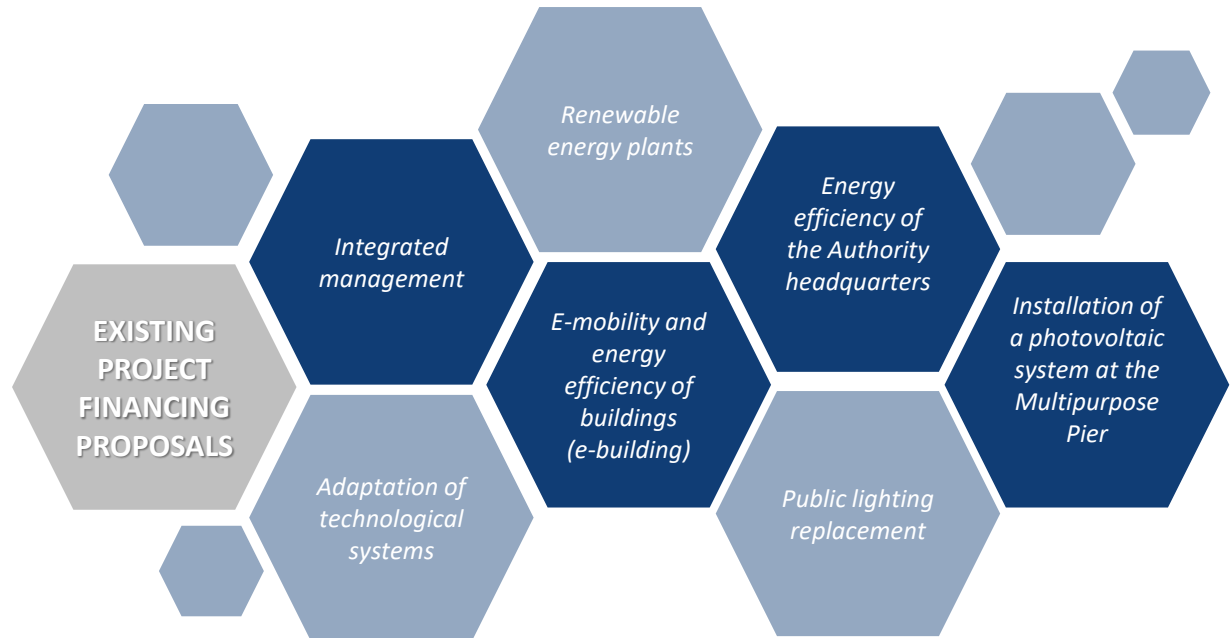
Promote the development of the whole port district as Ecologically Equipped Productive Areas.



Taranto Smart Green Port A Brand-new Energy Transition & Environmental Strategy

Energy transition has become a central pillar of the strategies of port authorities, aiming to reduce the environmental impact of the flow of goods through ports. It has also proven itself to be a key element in the relations with and impact generated towards urban centres located near port areas.

*The PNAIS, supported by all the stakeholders of the surrounding port community, aims to **prioritize transforming existing systems into models based on renewable and intelligent energy.***

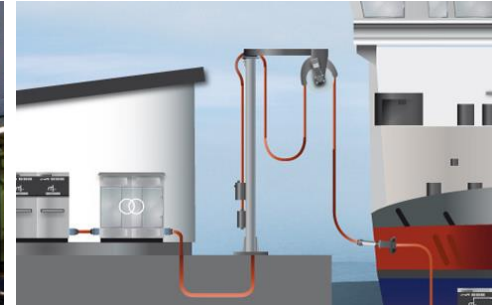


► Cold ironing: 3 main actions to be developed within the NRRP by 2026

Sustainability COLD IRONING

- The Port Network Authority of the Ionian Sea is the beneficiary of funds for the **construction of a cold ironing system in the port of Taranto**
- The project provides **port electrification** in order to reduce the dependence on fossil fuels and decrease the environmental impact in the transport sector, in line with EU Directives

- The executive project and implementation of the cold ironing facilities was entrusted by the PNAIS at the beginning of **2024**
- The facilities are planned to be completed by **2026**



Examples of mobile and stationary power systems

Sustainability BELEOLICO WIND FARM

- “Beleolico”, developed by **Renexia**, a company of the Toto Group, is **the first offshore wind farm in Italy and in the Mediterranean Sea**
- The objective of the installation of a wind farm in the Port of Taranto is to supply inclusive energy while equipping the city with a sustainable plant both from an environmental and a socio-economic perspective
- The Port Network Authority and Renexia signed an agreement for the purchase of **10% of the Beleolico electric energy production**
- The Port of Taranto is the ideal location for maintenance operations and wind plant production thanks to its wide spaces and to the central Mediterranean position of the seaport, and is posed to become a **genuine hub in the renewables sector.**



LOCATION

Port of Taranto

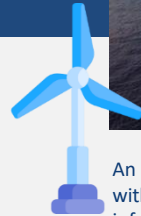
SURFACE AREA

131.000 sqm

TOTAL PRODUCTION

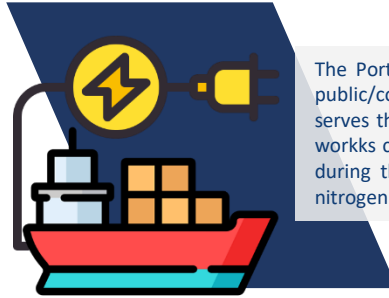
58.200 MWh/year of
guaranteed total output at
full working capacity

10 TURBINES



An expression of interest was presented for the identification of state-owned maritime areas with related stretch of waters outside the port breakwaters, to be used for the construction of infrastructures suitable for guaranteeing the development of investments in the shipbuilding industry for **production, assembly and launching of floating platforms and electrical infrastructures functional to the production of wind energy at sea.**

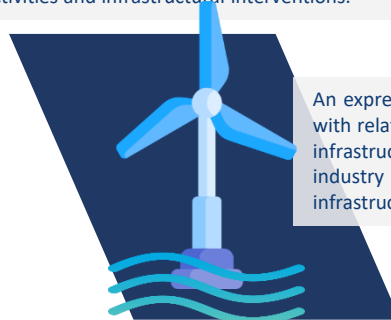
Energy and environmental transition What's in the pot?



The Port Authority has entrusted the works for the construction of 3 Cold Ironing systems at the public/concession piers. Among these, the San Cataldo Pier plays a role of primary importance, as it serves the cruise traffic, one of the strategic assets for the growth of the port and the territory. The works concern the creation of a network of systems for the supply of electricity from shore to ships during the mooring phase, to minimize the use of auxiliary engines on board, emissions of CO₂, nitrogen oxides and fine dust, as well as the acoustic impact.



Since December 2023, the Port Authority has activated the Integrated Environmental Monitoring system of the port area, which involves the creation and multi-year management of an integrated monitoring network, in order to control the overall qualitative status of the port's land-sea system. Thus it will be possible to have a multi-temporal framework according to which it will be possible to assess the critical issues linked to port activities and infrastructural interventions.



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PORT NETWORK AUTHORITY OF THE IONIAN SEA
PORT OF TARANTO

THANKS

SERGIO PRETE
President