



We support the Sustainable Development Goals

The Ports of Genoa Sustainable Routes

WESTERN LIGURIAN SEA PORT AUTHORITY
SUSTAINABILITY REPORT 2021 / HIGHLIGHTS



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Autorità di Sistema Portuale
del Mar Ligure Occidentale

More info on:
<https://www.portsofgenoa.com>



Letter from the President



Paolo Emilio Signorini
President of the
Western Ligurian Sea Port Authority

The Ports of Genoa network which unites the Ports of Genoa, Pra', Savona and Vado Ligure, has grown steadily over recent decades, thanks to administrative reforms and public development strategies that have attracted investment from major global operators, leading to important results in terms of traffic and the size of the port community.

Today, the Ports of Genoa rank among the largest European ports for goods and passengers, are the leading Italian port cluster in terms of volume and variety of traffic, and are the logistics hub for industry in Northern Italy.

Our ports are home to a cutting-edge maritime industry with branches in every segment, from shipbuilding and yachting to shipping and forwarding, and represent a world-class centre of professionalism, expertise and port logistics culture.

The Ports of Genoa are also a pole of attraction offering spaces and services for sports, recreational, and entertainment activities for citizens and a growing number of tourists.

In order to support and re-launch port activities after the crises encountered in recent years (the collapse of the Morandi bridge, the pandemic, and the recent

energy crisis), the Port Authority has launched a major port regeneration plan, based on the resources made available by the Government and the European Union for the RRF (Recovery and Resilience Facility) and the Next Generation EU, which brings investments in the area of around 3 billion Euros and pushes our ports towards the great challenge of sustainability.

Accessibility by sea and land, energy transition, innovation, and digitisation are the pillars on which we want to build a port cluster that is more robust and well-integrated with Italian and European industry and markets, where operators can invest to develop their business and bring new activities and wealth, but also harmoniously embedded in the region, able to contribute positively to environmental protection and the fight against climate change.

The path is difficult and challenging, but achieving these goals is our responsibility to all our stakeholders.

By drawing up our first sustainability report, we intend to publicise our commitment and chronicle the efforts, difficulties and progress made in the passionate daily work we all do to achieve the great goal of the sustainable development of our communities.

Who we are and what we do

The Western Ligurian Sea Port Authority was created in 2016 through the merger of the Port Authorities of Genoa and Savona. The Authority administers the territory of the ports of Genoa, Pra', Savona and Vado Ligure, while operational activities are carried out by authorised private companies.

Port development and governance

We study strategies and implement projects to make the port grow in harmony with the region, enhancing all its functions: trade, tourist and urban.

Governance

We lease space in the harbour for private company activities and monitor compliance with safety and environmental regulations.

Innovation and digitisation

By developing new industrial and digital technologies, we make the flow of goods and information from the port to the supply chain easier.

Care for the environment

We monitor the environmental parameters of our ports and implement projects to make port activities increasingly compatible with the surrounding area.

Communication and stakeholder relations

Through our digital information channels and media, we provide up-to-date information on our projects and port activities to citizens and all our stakeholders.

*Container gateway traffic

We are Italy's leading port!

Our ports encompass an incredible array of activities and expertise: cargo and passenger handling, ship and yacht construction and repair, specialised consultancy and administrative services for ships and goods, on-board supplies, hi-tech solutions for the transport industry. All this makes the Ports of Genoa the leading Italian port system and a capital for maritime transport in the Mediterranean. 70% of companies in Northern Italy use the Ports of Genoa and one third of national container traffic passes through our terminals.

66.2 million tons

Total cargo handling

14.6 million tons

General cargo

24.2 million tons

Dry and liquid bulk

2.8 million TEU

Containers

**1st container* port in Italy
and 6th in Europe**

4.2 million pax

Passenger traffic

**2nd cruise port in Italy
and 3rd in Europe**



4

Port basins

700
ha

Port Area

27
km

Total quay
length

100

Berths

35

Terminals

65

Ship building
and repair
companies

80

Shipping
agencies

300

Freight
forwarding
agencies

160

Regular liner
services

450

Worldwide
connected
ports

Sustainability and competitiveness

Our goal is to increase the positive effects of port activity by limiting negative effects and seeking solutions to combine port competitiveness with city liveability.

We believe that acting sustainably is an act of responsibility for the planet but also a key to the competitiveness of our ports.

The world of shipping and transport is increasingly moving towards international environmental standards, in line with the UN's 2030 Agenda, the European Union's Green Deal and the Italian RRF, and the Ports of Genoa want to play a leading role in this change.



Scan the QR code to read the full version of the report (Italian language).

The sustainability report

In order to make our commitment to sustainability public, we decided to embark on the path of reporting, completing our first Sustainability Report in 2022. This document forms the disclosure summary.

The Sustainability Report (covering the year 2021) contains data and information derived from our own databases and strategic documents, as well as surveys and estimates from other parties working with us. The document complies with the Global Reporting Initiative (GRI) Standards, Core option.

Our Report not only looks at the effects of our activities but, where relevant, considers the entire range of activities taking place in the ports of Genoa, Prà, Savona and Vado Ligure.





Economic sustainability

Generating lasting value for our stakeholders in the port cluster and our region.

Environmental sustainability

Combining development with environmental protection, building resilient, low-emission and competitive ports.

Social sustainability

Strengthening relations with the community, protecting the health and safety of port workers.

Organisational sustainability

Improving customer service, promoting innovation and simplification of procedures, and internal organisation, fostering staff welfare and professional growth.



Materiality analysis

The materiality analysis is a fundamental step in the process of drawing up the sustainability report, enabling us to identify the priority issues which in-depth reporting activity should be directed towards.

Through discussion between internal departments, we identified 18 material themes relating to the four components of sustainability.

We then submitted these themes for assessment by our stakeholders and top management so that we could align stakeholder expectations with the Ports of Genoa's strategic perspective, thus defining the order of interest of the material themes and the priorities for each of the four strands.

The 4 priorities

1. Health and safety in port

Safeguard the lives of workers engaged in port operations and prevent any accidents.

2. Market development

Create new growth opportunities for the region by expanding the ports' areas of influence in domestic and overseas markets.

3. Energy efficiency

Improve the port's carbon footprint by reducing consumption and developing the use of renewable sources.

4. Simplification and digitisation

Improve relations with stakeholders by reducing bureaucracy and digitising administrative procedures.



Economic Sustainability

The Ports of Genoa form the largest Italian port cluster in terms of size, range of activities and economic value, and play a fundamental role for the entire Italian logistics and supply chain, generating social and economic benefits throughout the country.

Added value

60% in Liguria, 40% in the rest of Italy

50% created in ports, 50% in related sectors.

Direct and indirect employment in the Ports of Genoa

71,000 jobs in Liguria, 50,000 in the rest of Italy

Impact of the Ports of Genoa in Liguria

12.8 bn € output (14.1% of gross regional domestic product)

5.3 bn € Added Value (12.1%)



Priority: Market development

Maritime accessibility

The ongoing work on the new breakwaters in Genoa and Vado Ligure, dredging and quaywall upgrade will guarantee direct and safe access to the terminal facilities of the port of the ultra-large container and cruise ships, keeping the Ports of Genoa in line with the world's major ports.

Road and rail accessibility

The measures to upgrade inland port connections and the forthcoming completion of the European Rhine-Alpine rail Corridor will make the intermodal service more efficient, and the Ports of Genoa will be able to extend its range of competitiveness beyond the Alps.

Innovation and digitisation

The development of digital services favours the port's integration into global supply chains and makes the flow of goods more efficient, reducing document exchanges, speeding up checks and eliminating congestion at the gate.

International marketing

Promoting the logistics solutions offered by the Ports of Genoa encourages the emergence of new trade channels between hinterland companies and overseas partners and the expansion of traffic through our ports.

Our investment plans

Our main lever to foster the growth of port activities is to make targeted investments to increase the competitiveness and appeal of our ports.

Major Infrastructure Programme

The Plan for the regeneration of the Port of Genoa, supported by the Government with the "Genoa Decree", is the main instrument for implementing our development strategies and envisages more than 2 billion euros in investments to upgrade the port, airport and last-mile infrastructures.

Standard Infrastructure Programme

The programme envisages investments amounting to 130 million Euros in the three-year period 2021-23 and pays special attention to the Savona and Vado Ligure basins, for the implementation of the Master Plan and maintenance works. In the ports of Genoa and Pra', complementary interventions to the works envisaged by the Major Infrastructure Programme are being financed.

The construction phase generates wealth and significant employment opportunities.

1.6 bn Euros

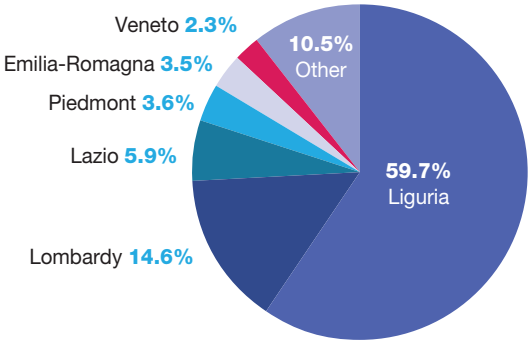
Total added value

37,000

Jobs per year of construction activity

Added Value generated by Ports of Genoa

8.9 bn € Total value



Environmental Sustainability

Our goal is to combine the development of the Ports of Genoa with environmental protection, building competitive and resilient ports with a low environmental impact and able to cope with climate change by acting on the correlation between energy consumption and emissions in the port.

In addition to energy, we tackle all environmental aspects related to port activities: waste management, maximising waste sorting and recycling to the maximum; water cleaning; water and sediment quality analysis; and monitoring and reducing noise pollution from port activities, thanks to shielding measures.

Priority: Energy efficiency

Thanks to an extensive programme of measures, partly financed by the RRF, we will improve energy efficiency and management in port and reduce the port system's carbon footprint with a marked reduction in emissions: -25% CO₂ equivalent, -83% NO_x, -75% particulate matter.

Technological innovation

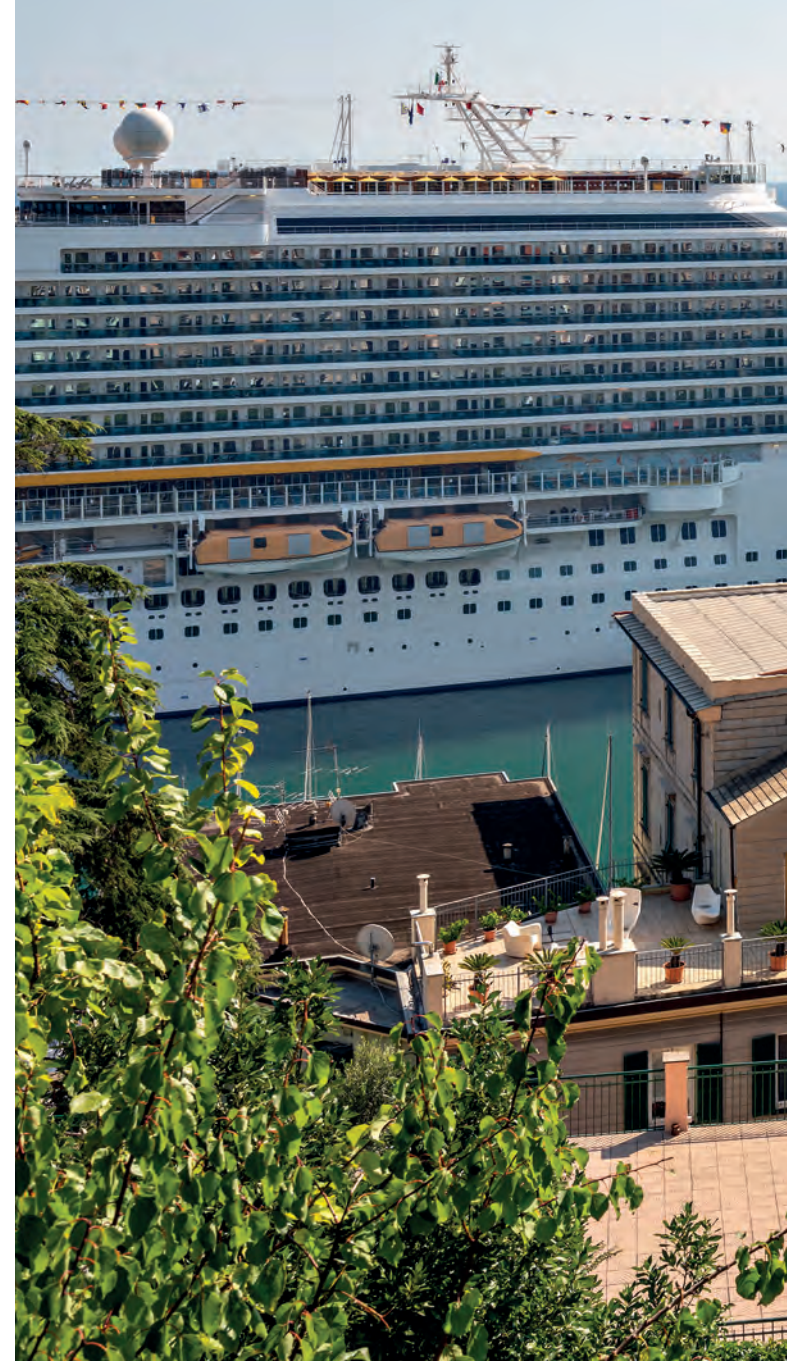
Our ports' electricity grids will be monitored by smart management systems that optimise electricity production, consumption and storage. In addition, the renovation of port electrical installations will enable us to reduce consumption and optimise energy use.

Energy transition

Taking advantage of our ports' beneficial orientation towards the sun, we will install solar panels on warehouse roofs to build an energy self-sufficient port, limiting the use of fossil fuels.

Cold Ironing

We are building new facilities to supply the electricity needed by ships from shore while they are docked, to enable them to switch off their on-board generators, allowing a significant reduction in noise and air pollution.



Sources of greenhouse gas emissions in the Ports of Genoa (2016) (ton CO₂eq)

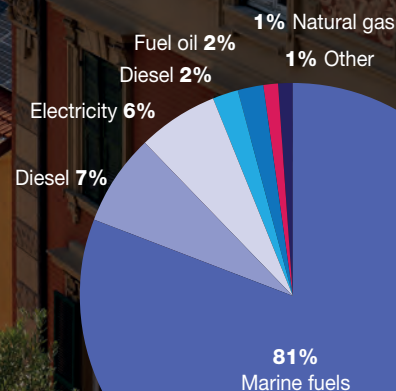
2,438 tons Road traffic

91,074 tons port operations

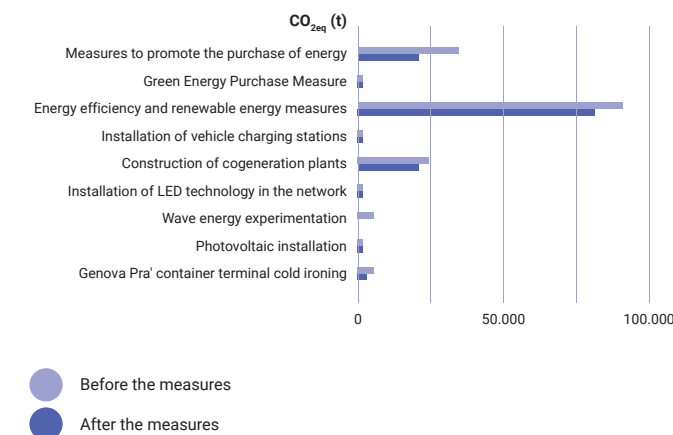
375,917 tons maritime traffic

Today, 60% of energy consumption in ports is related to ships manoeuvring or at berth.

Energy consumption in the Ports of Genoa by source type



CO₂ eq emissions (t) in port before and after energy efficiency improvement measures



Social Sustainability

The port is a common heritage, full of stories and projects that we want to share with all our stakeholders. That is why we are increasingly present on social channels, organise events for the public and try to bring young people closer to the world of the port through guided tours, presentations and lectures.

We also work to build an increasingly united and strong port community, sharing our development programmes with the operators and cooperating to protect the health and safety of all port workers.

Priority: Safety in port

Our Port Authority works with the relevant public bodies and companies in the port community to ensure the health of workers and the protection of people and infrastructure.

Health and Safety Checks

In order to check compliance with safety regulations and prevent any accidents, we carry out continuous inspections at terminals and shipyards.

2,248 port inspections in 2020

1,977 port inspections in 2021

Emergency management

In cooperation with health facilities and trade unions, we are constantly refining operational and prevention protocols to manage critical weather situations and to remain operational even in emergency situations, as happened during the pandemic.

Port workforce training







Together with terminal operating and stevedoring companies, we organise training courses to increase risk awareness and promote accident prevention during work activities.





Digital communication

To reach out to all our stakeholders, we are boosting the Ports of Genoa's positioning on all digital channels.*

-  **484,000** website views
-  **300,000** LinkedIn views
-  **38,000** Youtube views
-  **32,000** Facebook views
-  **32,000** Twitter views
-  **14,000** Instagram views

*2021 Data



Art and culture

Our prestigious premises in the Palazzo S. Giorgio are often open for visits and performances*. Find all the information on our website at **portsofgenoa.com**

+24 funded projects and **70,000€** provided

4 visiting days at Palazzo San Giorgio

800+ visitors

10 theatre performances

Students

Young people are always keen to learn about the port across lessons and boat tours. And we are happy to guide them in the discovery of this fascinating world, where they may find their future career path. In 2021, **442 students** took part:

6 high schools (5 from Liguria, 1 from Switzerland)

Genoa University's Faculty of Economics
Italian Institute of International Affairs

EU educational projects



Public consultation

In 2021 we presented the project of the Port of Genoa's new breakwater to the public, gathering feedback and requests from all stakeholders.

900+ participants

4 public meetings

7 technical commission meetings

55 reports with stakeholder comments

1 press conference



Organisational Sustainability

The quality of an organisation's services depends on the simplicity and efficiency of its management model, but also on organisational choices designed to improve the quality of its work. This is why we are constantly striving to simplify our administrative procedures, making the most of the capabilities offered by new technologies and enhancing the professionalism of our staff, which in recent years has been enriched by the presence of many young people bringing energy, skills and new ideas.

Our mission is to ensure maximum transparency and improve all stakeholder, operator and citizen relations with our administration: digital technology is a key tool in achieving these goals.

Priority: Simplification and digitisation

Technological innovation is a key tool in making communication with the public simpler and more transparent, increasing port efficiency, facilitating dialogue within the port community and improving integration into global supply chains.

The Port Community System

This is the digital platform that allows the exchange of documents accompanying a cargo shipment between all parties involved. It is a fundamental tool for making port in/out operations smoother, and we are working together with the entire port community to develop its functionalities and to create apps that allow all users to easily access the port's digital services.

Single Administrative Desk

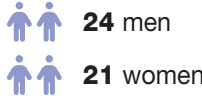
Our streamlining initiatives do not only concern port operations but extend to all administrative procedures within our jurisdiction. To facilitate dialogue with the public, we have set up the Single Administrative Desk (SUA) a dedicated digital channel through which it is possible to interact with the Authority and fine-tune the various administrative procedures, guaranteeing efficiency, cost-effectiveness and transparency.

Number of employees by location and gender

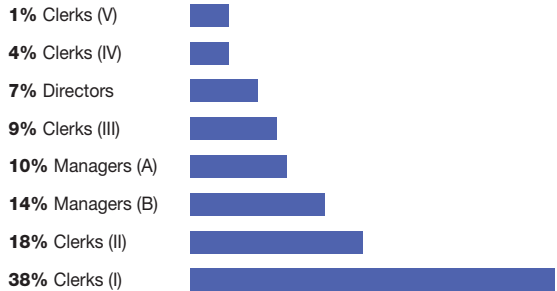
Genoa



Savona



Division by work classification



Parental leave in 2021

10 men on 13 entitled persons
6 women on 7 entitled persons

Building the Ports of Genoa of the future

From sea to land, we are working to build the Ports of Genoa of the future.

The projects underway enhance all the functions of the ports: trade, passenger, industrial, urban, reorganising spaces and reducing interference between different activities and the impact on the region.

Larger ships

New open-sea breakwaters will widen the navigational channels to separate flows between cargo and passenger ships and sailing boats, and allow even the ultra-large ships to access and manoeuvre safely.

The new works will also improve the protection of the quays against intense weather events linked to climate change. The terminal docks will be strengthened and adapted to receive larger ships, while the yard spaces will be optimised to accommodate larger quantities of cargo.

More goods on trains

Enhanced road and rail connections will ensure the clearance of goods arriving and departing by large ships, minimising the interference of port traffic with urban traffic.

Less congestion

Port access gates will be upgraded in terms of infrastructure and technology to allow a smooth outflow, while parking areas and rail yards will be created for trucks and trains waiting to enter the port or leave for inland destinations.

Less paper

To accelerate data exchange between all players within the ports, and to improve the integration of the Ports of Genoa with global supply chains, digital systems have been developed to support document exchange procedures, controls and intermodality, reducing operational time and paper consumption.

A more functional airport integrated with the city

Thanks to the measures currently underway, the airport will also be able to develop its role as an international link for the Ligurian region, at the service of citizens, tourists, professionals and cargo.

More space for shipyards

Shipbuilding activities, which are fundamental to the life of the port and the local economy, will be able to grow without impacting the city, thanks to the rationalisation of available space and the construction of new dedicated infrastructure.





Preserving the environment for new generations

Water, land, air, energy. So many elements come into play in the operation of a port.

We put all our efforts into preserving each of these environmental factors.

A cleaner sea

We protect our sea from pollution by deploying boats and innovative tools that collect plastic and debris floating along the channels of port basins, and specialised systems that can intervene in the event of accidents which risk pollutants being released into the water.

More separate waste collection and circular economy

A lot of waste is collected at our ports' docks, whether discharged from ships or from land-based activities: together with specialised companies, we ensure optimal waste management, striving to increase the proportion of separate waste collection and promoting the transition to a circular economy in order to reduce the environmental impact of the waste cycle and prevent soil and air pollution.

Coastal protection and safety of streams

Protecting the land and the coast is one of our priorities, which we undertake through structural measures to defend the coastline and limit beach erosion, and to safeguard the stretches of streams that flow into our area, reducing the risk of flooding.

Less energy from fossil sources and less polluting emissions

Although maritime transport is much less polluting than other modes of transport, several sources of atmospheric emissions are concentrated in ports, such as ships, cargo handling equipment, and transport trucks. Most of the emissions are due to the use of fossil sources to obtain energy. This is why we are trying to reduce the use of fossil fuels, studying ways to increase the production of green energy by harnessing the sun, wind and sea waves, and taking part in research into the use of new green fuels.

Regenerating the waterfront of our cities

Today, ports are perceived as part of a new 'urban experience' linked to the sea: rethinking functions and reclaiming spaces to create new opportunities for waterfront enjoyment and encourage the emergence of new economic activities is one of our priorities.

Spaces for new economic activities

Through a careful planning phase, we have studied the most suitable solutions for creating a modern, competitive and sustainable port and for making the most of all the area's assets, also by finding new functions for areas and structures that are no longer suitable for their original operational purposes.

Seaside spaces for cities

Together with local administrations, we have launched several projects for the urban regeneration of spaces no longer used for port purposes and to increase the usability of areas facing the sea.

These include the regeneration of the Port of Genoa's Eastern Waterfront, the creation of the Dunes of Pra' urban park, and the redevelopment of the Savona and Vado Ligure waterfront.

Redevelopment of derelict buildings

The reconversion of disused buildings (such as Hennebique in the Port of Genoa) is also part of the philosophy of combining the development of new economic activities with the creation of opportunities for the region, with the dual objective of enhancing the tourist appeal and urban liveability of cities.

More tourist and leisure areas and more accessible beaches

The territory under our jurisdiction includes long stretches of coastline free of port infrastructures, where seaside activities or other urban functions are located: these areas, of great value to citizens, are also the focus of enhancement projects with which we intend to improve their accessibility and usability for the people who live in and visit our wonderful region.



More info on:

<https://www.portsofgenoa.com>





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CERTIFIED ENVIRONMENTAL
MANAGEMENT SYSTEM

CQY
CERTIQUALITY

UNI EN ISO 14001:2015