



REPORT ON THE MAJOR INFRASTRUCTURE WORKS RESHAPING THE PORT AND CITY OF GENOA

August 2023

Genoa Investment Programme



2.5
bn €

INVESTMENT PROGRAMME addressing the main **European transport** and logistic priorities for the Ports of Genoa.

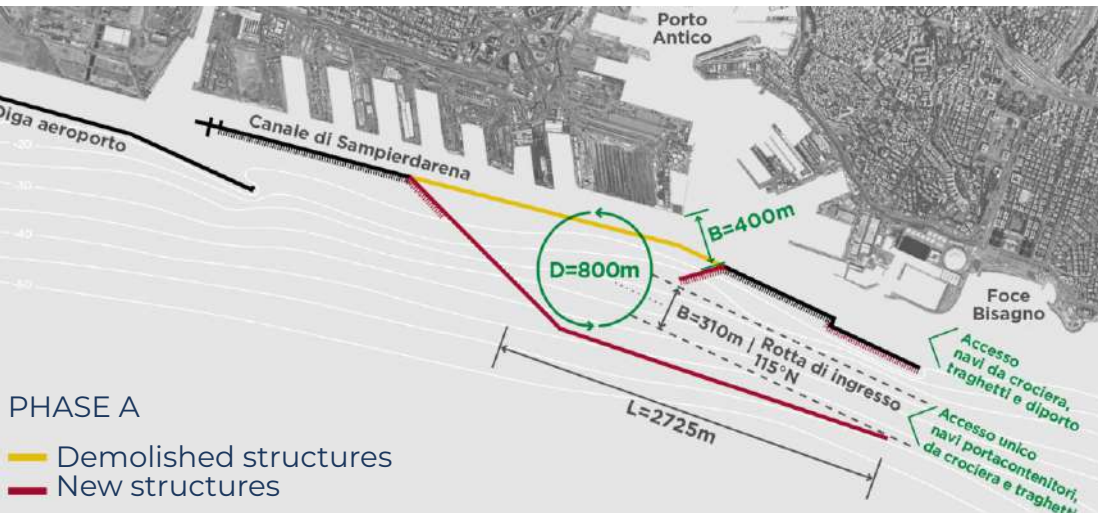
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PRJ

- Maritime, Road, Rail and Air Accessibility
- Waterfront and Green Projects
- Shipyard Expansion





New Breakwater of Genoa - Phase A



Simulation model of approach channel west



The new breakwater of the Port of Genoa has been designed to guarantee direct and easy access to terminal facilities in the Old Port and Sampierdarena basin and a wide turning basin for ultra-large ships to manoeuvre in full safety. The objective is to equip the port to cater for future carrier upsizing and to boost its leadership in the highly competitive global shipping industry.

The new port infrastructure has also been planned to provide added protection to port basins and facilities from violent sea storms and climate change, and to guarantee the optimal distribution of vessels according to desintation (cargo and passenger terminals/shipyards/marinas).

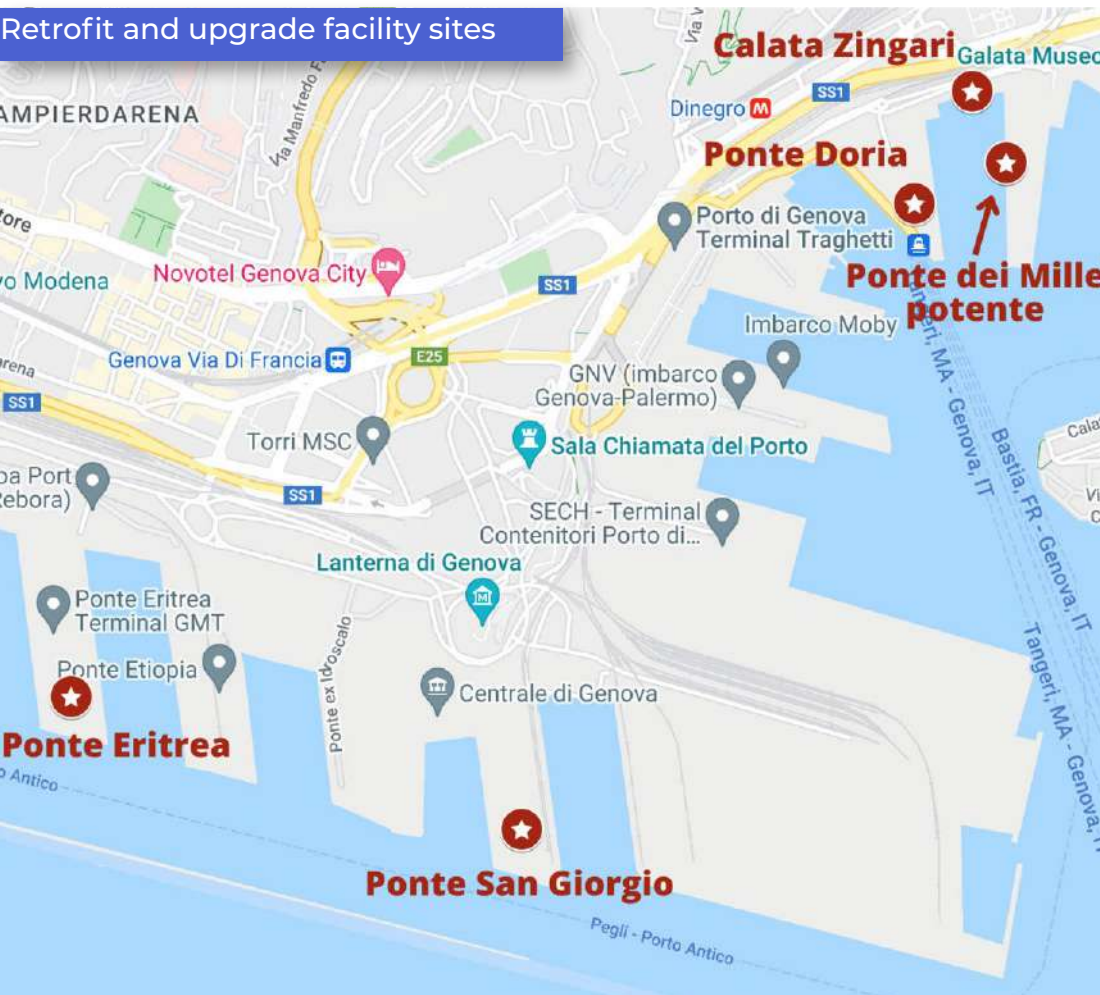
Project Code: P.3062

Project Value	€ 950,000,000 TOTAL COSTS (Phase A and Phase B) € 1,300,000,000
Appointment Of Government Commissioner	16 April 2021
Current Status	Construction site preparation
Start Date	February 2023
Completion Date	November 2026
Contractor	webuild







Retrofitting of Quaywalls and Upgrades in the Old Port and Passenger Terminals of Genoa

Retrofit and upgrade facility sites



The project foresees the retrofitting of quay walls, with related dredging works, in the passenger terminal and Sampierdarena port basin, to accommodate the future generation of ships. Works completed at Ponte dei Mille West and Ponte Doria; works in progress at Ponte San Giorgio and Ponte Eritrea.

Project Code: P.3129	
Project Value	€24,916,784,17
Current Status	<p>Ponte dei Mille: WORKS COMPLETED (April 2022)</p> <p>Ponte Doria: WORKS COMPLETED (May 2021)</p> <p>Ponte Eritrea: Construction works in progress</p> <p>Ponte San Giorgio: Construction works in progress</p>
Timeline	<p>Ponte Eritrea START DATE June 2022 COMPLETION DATE: May 2024</p> <p>Ponte San Giorgio START DATE: March 2022 COMPLETION DATE: September 2024</p>
Completion Date	November 2026
Contractor	   



Retrofitting of Quaywalls and Upgrades in the Old Port and Passenger Terminals of Genoa



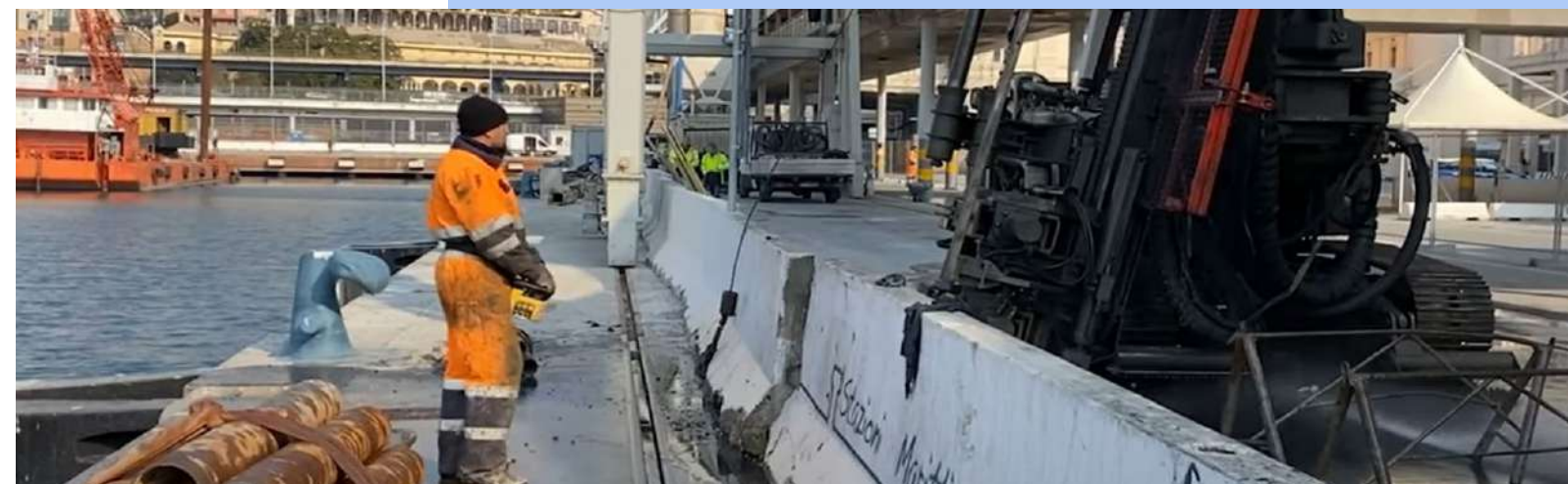
Installation of new mooring bollards at Ponte Doria



Completion of retrofitting of quaywalls at Ponte dei Mille West



Works in progress





Retrofitting of Quaywalls and Upgrades in the Old Port and Passenger Terminals of Genoa



Works in progress at Ponte San Giorgio





Restructuring of Calata Zingari



Works in progress

Restructuring and renovation of Calata Zingari quaywall in Genoa's passenger port, with the objective of preserving the original exposed brickwork of the quay.

The project is designed to upgrade both the berth and the adjacent area deployed for the provision of cruise passenger services.

Project Code: P.2969	
Project Value	€2,700,000.00
Current Activities	<i>WORKS COMPLETED (August 2022)</i>
Start Date	August 2021
Completion Date	August 2022
Contractor	 



Works completed Calata Zingari



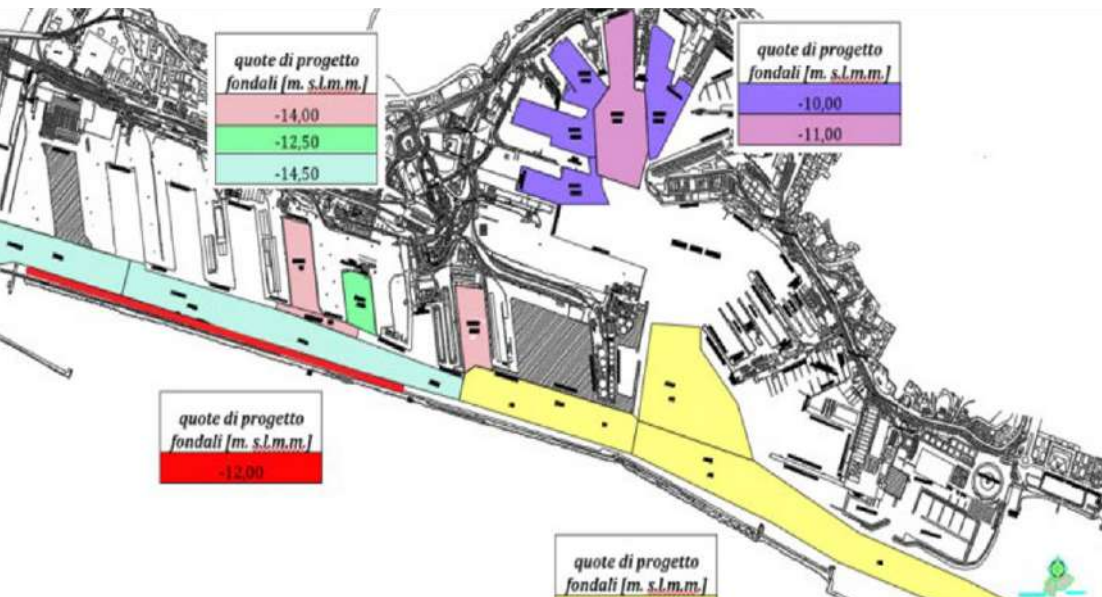
Dredging in the Genoa Sampierdarean Basin and Passenger Port



The relocation of the new breakwater, the renovation and upgrade of quaywalls and ongoing dredging works in the port represent the key elements aimed at improving the maritime accessibility of the Port of Genoa.

Dredging by the Sampierdarena cargo terminals and passenger port will equip Genoa with the opportunity to accommodate, respectively, in full safety the ULCVs and the future generation of cruise ships.

Project Code: P. 3106	
Project Value	€9,201,666.57
Current Status	WORKS COMPLETED (June 2023)
Start Date	June 2022
Completion Date	June 2023
Contractor	





New Mineral Oils Berth



Rendering New Layout

The project calls for the construction of the new Mineral Oils dock in the Port of Genoa across the reconfiguration of the quay to ensure safe vessel manoeuvres and mooring operations on the part of barges and bulk carriers up to LOA 130 m.

Project Code: P. 2933	
Project Value	€15,153,923.20
Current Status	Construction works in progress
Start Date	May 2022
Completion Date	April 2024
Contractor	FINCOSIT



Works in progress: Calata Canzio



Works in progress



Completion of the New Calata Bettolo Terminal



The project is set to complete infrastructure works at Calata Bettolo to upgrade the new Bettolo Genoa Mediterranean Gateway Terminal to full operational status. The contract awarded, re yard eastside (lot 1), foresees the construction of crane runways, enhancement of quay load capacity, installation of hydraulic and electric power supply and new terminal lighting system.

Project Code: P. 3105

Project Value

€10,364,000.00

Current Status

Construction works in progress

Start Date

May 2023

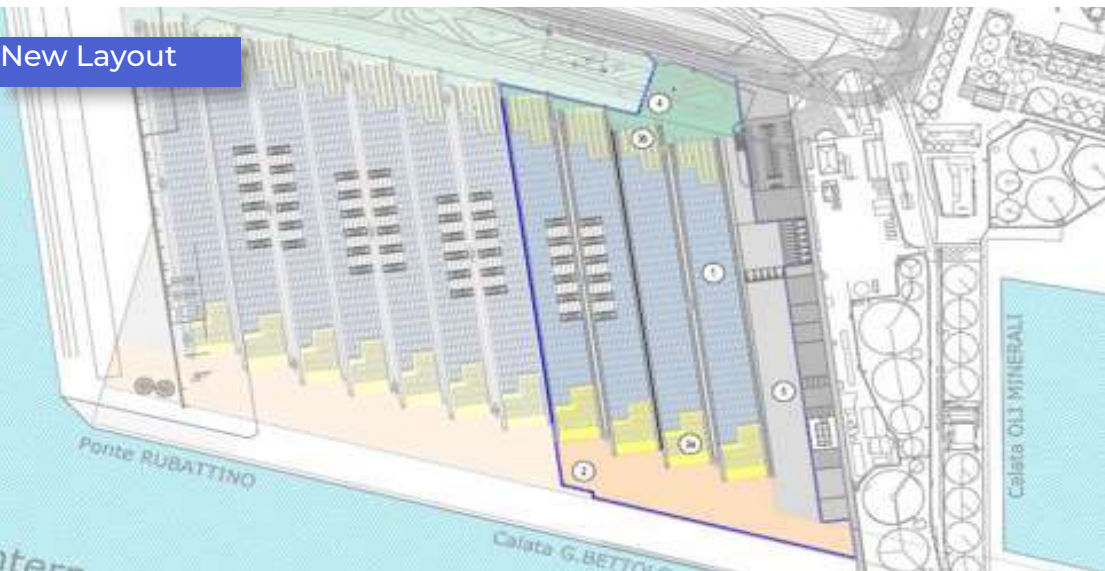
Completion Date

October 2024

Contractor



New Layout



Calata Bettolo





Expansion of the Cruise Terminal, Ponte dei Mille East



New quay development along Ponte dei Mille East, with the construction of a new terrace to accommodate the latest generation of ultra-large cruise ships in full safety and to cater for incoming and outgoing passenger flow management and logistic requirements.

The project calls for the extension of the quay eastside, the expansion of Santa Limbania dock by the Hennebique building, the construction of the upper terrace and the installation of an erosion-control system to protect the quays.

Project Code: P. 3133

Project Value € 24,000,000.00

Current Status Design process

Start Date July 2022

Completion Date December 2024

Contractor

FINCOSIT

Ponte dei Mille East Expansion



Works in progress





New Port Control Tower

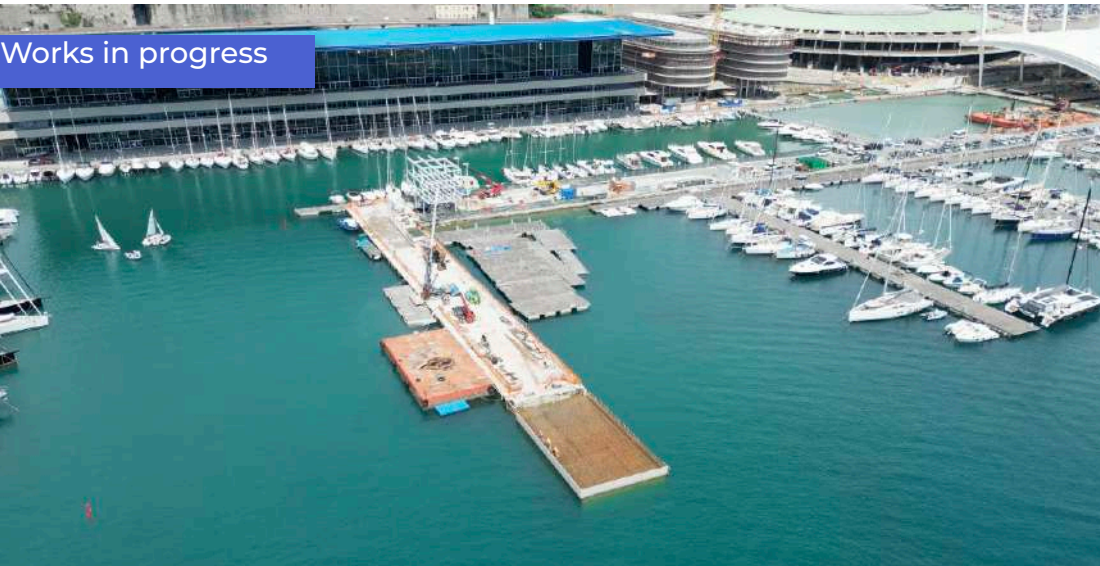
Rendering New Port Control Tower



The construction of a new port control tower on an artificial island facing the new Marina along the Levante Waterfront. The project also calls for the construction of two upper office blocks, accommodation and back-up services, and the installation shoreside of a perimeter protection wall.

Project Code: P. 3023	
Project Value	€ 19,500,000.00
Current Status	Construction works in progress
Start Date	July 2022
Completion Date	October 2024
Contractor	

Works in progress



Works in progress





A Range of Major Roadworks in the Genoa-Sampierdarena Basin



New road infrastructure on-site and around the Sampierdarena port area, with smart dedicated multi-lane heavy vehicle roads set to ease simultaneously both inner port and urban traffic congestion. A scheme of planned infrastructure works to build direct road links between the Port of Genoa terminal facilities and the Milan and Turin-bound A7 and A26 motorways. The range of roadworks stretches across the port area eastwards from Calata Bettolo to westwards Pionieri and Aviatori Viaduct.

Project Code: P.3121

Project Value	€149,097,691.58
Current Status	New Siffredi Airport Viaduct : WORKS COMPLETED (February 2023) New Papa Bridge: deck assembly Roadway upgrade and extension: revamping Road construction «La Superba»: viaduct pile construction San Benigno - Calata Bettolo road link: footing construction
Start Date	October 2021
Completion Date	New Siffredi Airport Viaduct : WORKS COMPLETED (February 2023) New Papa Bridge: April 2023 Roadway upgrade: April 2023 Roadway extension: December 2024 Road construction «La Superba»: February 2024 San Benigno - Calata Bettolo road link: December 2024
Contractor	



A Range of Major Roadworks in the Genoa-Sampierdarena Basin

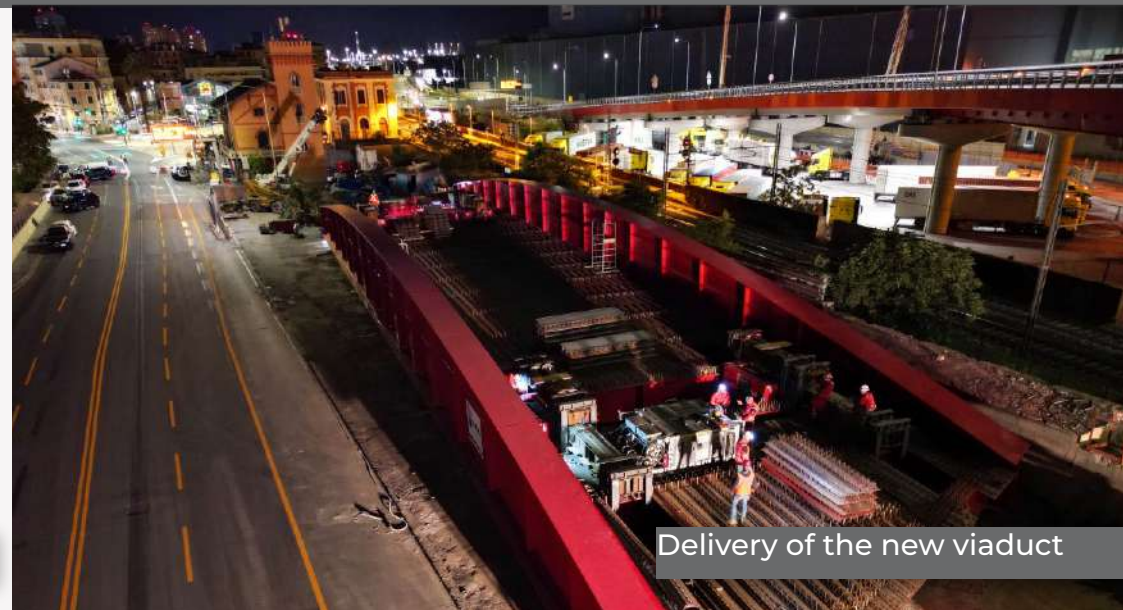




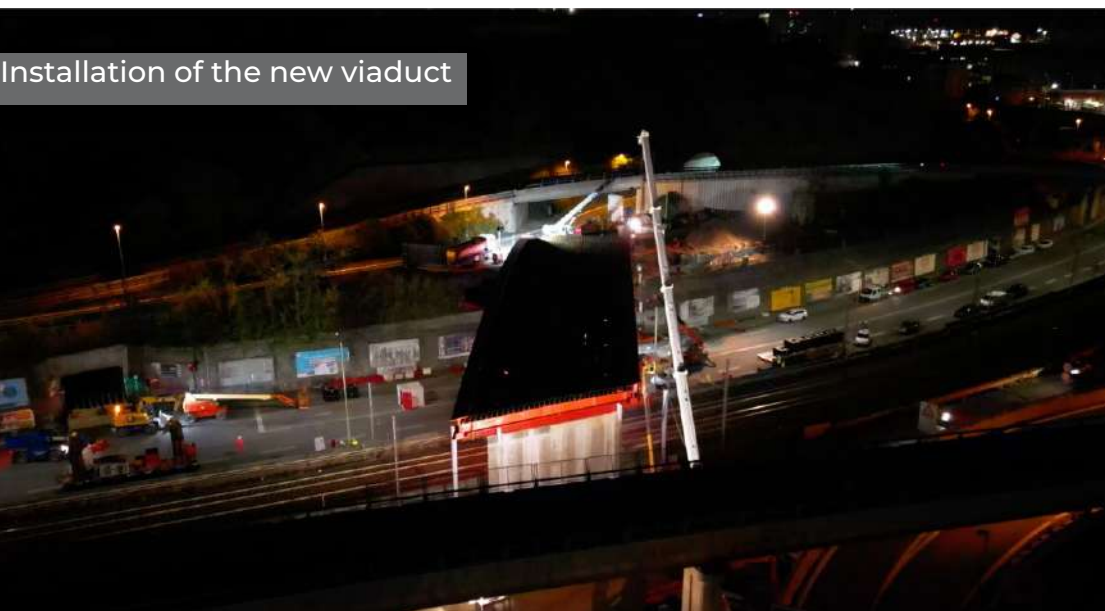
A Range of Major Roadworks in the Genoa-Sampierdarena Basin



Demolition of former viaduct



Delivery of the new viaduct



Installation of the new viaduct



New airport viaduct



A Range of Major Roadworks in the Genoa-Sampierdarena Basin





Improved Intermodal Accessibility to the Port Basin of Pra'



The project, of national strategic importance, foresees the construction of a new 3-lane viaduct to:

- upgrade landside access to the port basin of Genova Pra', Italy's leading container gateway terminal, and the motorway network;
- provide for the installation of six 750-metre on-terminal rail tracks.

The plan also calls for the installation of sound barriers and green spaces to mitigate noise and visual pollution. The relocation, along the port shoreline of part of the Genova-Ventimiglia railway line, will release a pocket of land to be used in urban regeneration.

Project Code: P. 2729	
Project Value	€16,866,967.69
Current Status	Construction works in progress
Start Date	May 2021
Completion Date	December 2024
Contractor	FINCOSIT GIUBBIA COSTRUZIONI

Rendering New viaduct (Genova – Pra' motorway exit)






Port Gate Security Infrastructure Upgrade



The project introduces a range of tangible and intangible infrastructure - new port fences, automatic number-plate and container recognition, technological upgrade of port gates - to improve security in 14 port access points, in compliance with international guidelines.

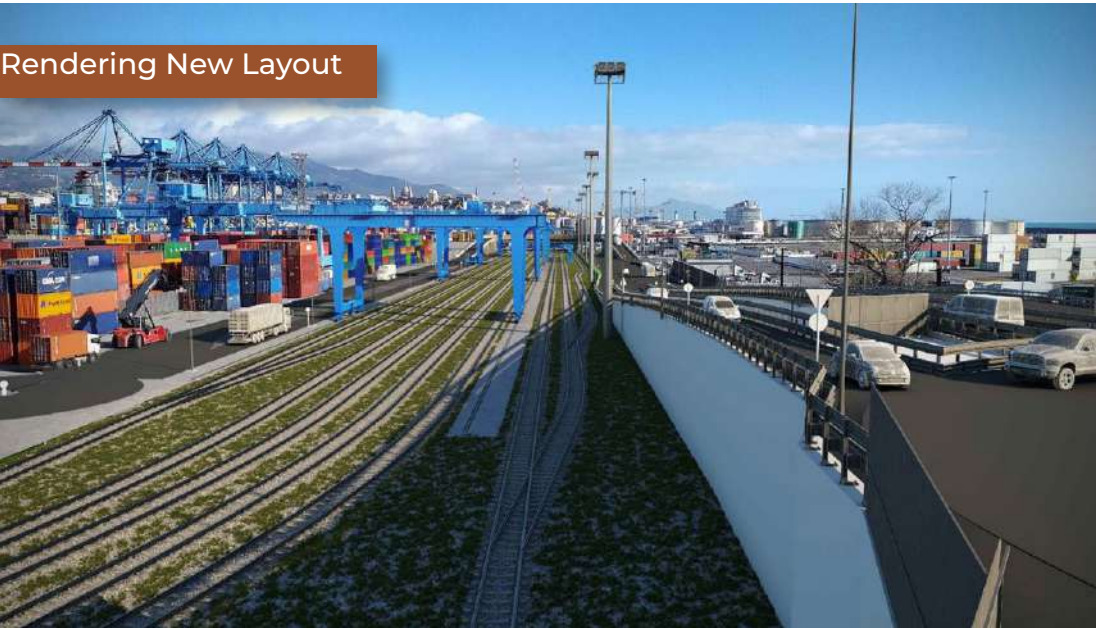
Project Code: P. 3134	
Project Value	€8,200,000.00
Current Status	Works in progress
Start Date	May 2022
Completion Date	February 2024
Contractor	





Upgrade and Expansion of Rugna Rail Yard (Calata Sanità Area)

Rendering New Layout



The new Rugna rail yard is set to be equipped with nine tracks to serve the container terminal in the Old Port of Genoa between Calata Bettolo and Calata Sanità and to be connected, across the Molo Nuovo Tunnel, to the national rail network.

The new rail infrastructure will serve Bettolo Genoa Mediterranean Gateway Terminal and PSA SECH, and foresees the installation of RMG cranes and other dedicated equipment.

The project also foresees the use of the tracks to operate the rail tank cars at the service of Genoa's liquid bulk hub (Saar/ENI/Esso/Getoil).

Project Code: P.2460 LOT.A2

Project Value	€10,867,982.40
Current Status	Construction works in progress
Start Date	January 2022
Completion Date	December 2023
Contractor	

Work in progress





Rail link upgrade from Bettolo Terminal/PSA SECH to Campasso Rail Yard (Molo Nuovo Tunnel)



Pre-track deomolition

The project foresees the installation of a double-track rail link between Bettolo and PSA SECH terminals and Santa Limbania across the Molo Nuovo Tunnel. Works include the installation of a new signalling system, in compliance with Rail Safety National Agency standards, and a new electric rail traction system.

Project Code: P.2930	
Project Value	€17,800,000.00
Current Status	Design progress
Start Date	February 2023
Completion Date	April 2025
Contractor	RTI  MICOS IMPRESA DI COSTRUZIONI



Rail-track demolition works



Fuori Muro Rail Yard Upgrade



Fuori Muro Rail Yard

The project is designed to upgrade the Fuori Muro rail yard which serves the Genoa Sampierdarena port basin, with the installation of seven 750-metre rail tracks to ensure the safe operation of EU standardised freight cars, the introduction of a new signalling system in compliance with the National Safety Agency requirements and a new electric rail traction system.

Project Code: P.3107

Project Value	€65,000,000.00
Current Status	Call for tenders underway
Start Date	2H 2023
Completion Date	1H 2026
Contractor	



New Layout



Rail Yard of the New Ronco-Canepa Container Terminal and the doubling of the Ronco-Sommergibile Rail Link



The project foresees the construction of a new rail yard to serve the new Ronco-Canepa container terminal, in addition to the installation of a signalling system and electric rail traction system between the new yard and the Sommergibile rail link.

Project Code: P.3135

Project Value	€5,000,000.00
Current Status	Detailed design
Start Date	October 2023
Completion Date	December 2024
Contractor	To be awarded by the concession-holder



Genova City Airport Expansion

Airport Expansion



Airport passenger facility expansion with the construction of a new three-level 5,500-sqm terminal wing and the refurbishment of the current dedicated passenger area, including new check-in and departure lounge. The project foresees the installation of additional security check points and the opening of a new food court and shopping centre. The bright glass-panelled building, overlooking the sea, features high ceilings and provides fast and easy access to dedicated areas.

Construction is set to be carried out in full compliance with strict environmental and sustainability requirements, including the use of recycled and renewable materials sourced within a radius of 150 km to reduce the carbon footprint.

Project Code: P.3101

Project Value

€20,550,000.00

Current Status

Construction works in progress

Start Date

December 2021

Completion Date

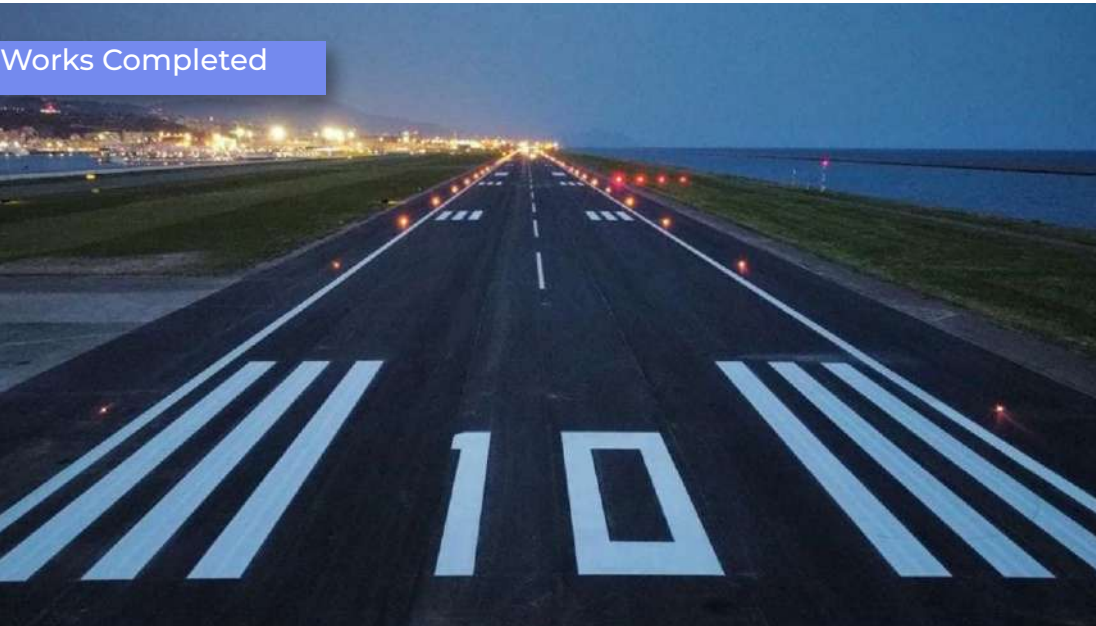
June 2024

Contractor





Refurbishment of the Runway



Works Completed

The project implementation achieved the planned objectives to refurbish the over 3-km long runway of the Genova City Airport, including apron renovation works.

The range of airport expansion plans underway are designed to boost the international appeal of the Ligurian capital's airport.

Project Code: P.3154

Project Value € 3,800,000.00

Current Status **WORKS COMPLETED**

Timeline Start and completion date: 1Q 2022

Contractor

GIUGGIA
COSTRUZIONI



Revamping works



Runway refurbishment



Genova City Airport Redevelopment

Construction of temporary embarkation hall



Construction of a new facility to the north of the passenger terminal, to be equipped as a temporary embarkation hall during reconstruction works in the terminal building. The project foresees the temporary expansion of the baggage handling hall to accommodate part of the new system.

Project Code: P.3114

Project Value €937,000.00

Current Status
Lot 1 – Embarkation area: **WORKS COMPLETED**
Lot 2 – Baggage handling area: **WORKS COMPLETED**

Contractor



Render Embarkation hall





Upgrade of Genova City Airport Baggage Handling System

New Baggage Handling System



The project foresees the upgrade of the Baggage Handling System with the installation of new x-ray devices for baggage screening, in compliance with recent security regulations.

Project Code: P.3113

Project Value €3,100,000.00

Current Status **WORKS COMPLETED**

Contractor





New Airport/Erzelli Railway Station

Rendering New Erzelli Railway Station



The construction of the new Erzelli railway station alongside the Airport, equipped with a people mover and two platforms guaranteeing maximum level of comfort and security, to provide Genova City Airport with a direct link to the national and international rail network.

Project Code: P.3102

Project Value

€65,000,000.00

Current Status

Construction works in progress

Start Date

October 2022

Completion Date

May 2025

Contractor





River Defence and Engineering Works in the Port Industrial Area of Genoa Sestri Ponente and the Construction of a New Mega Dry Dock

Rendering New Mega Dry Dock



The first phase foresees the construction of an operational area to the east of the Delta Jetty of the Oil Terminal, and river defence and engineering works along the Molinassi Creek, and thereafter along the Maratto/Monferrato, Chiaravagna, Ruscarolo and Cantarena.

The second phase envisages the expansion of the industrial area and the installation of a new 440-metre long dry dock to cater for the construction of mega ships. Improvement of the landside access to the Genoa Sestri Ponente industrial port area, including the relocation of the railway line inland.





River Defence and Engineering Works in the Port Industrial Area of Genoa Sestri Ponente and the Construction of a New Mega Dry Dock

Project Code: P.2879

Project Value	€636.603.159,57
Current Status	<p>PHASE 1 / City of Genoa/Molinassi and Cantarena river defence works: Contract awarded. Design process underway</p> <p>PHASE 1 / City of Genoa/Offshore works operational platform: Construction works underway</p> <p>PHASE 2 / PA/Offshore works – New mega dry dock: Construction works underway.</p>
Start Date	<p>PHASE 1 / City of Genoa/Molinassi and Cantarena river defence works: START DATE: July 2022 COMPLETION DATE: March 2024</p> <p>PHASE 1 / City of Genoa/Offshore works – operational platform: START DATE: April 2021 COMPLETION DATE: May 2023</p> <p>PHASE 2/ PA/Offshore works – New mega dry dock: START DATE: April 2022 COMPLETION DATE November 2026</p>
Contractor	<p>PHASE 1 / City of Genoa/Molinassi and Clavarino river defence works</p> <p>RTI </p> <p>PHASE 1 / City of Genoa/Offshore works – operational platform</p> <p>RTI </p> <p>PHASE 2 / PA/Offshore works – New mega dry dock</p> <p>PMC </p> <p>PHASE 2 / City of Genoa/Cantarena river defence works:</p> <p>RTI </p>



Genoa Ship Repair Yard Redevelopment



The redevelopment of the Ship Repair Yard area in the Port of Genoa foresees an overhaul of docks n.4 and n.5 and an extension of the «ex-mega dock».

The objective is to consolidate the competitive role of the port's repair and new building industry across a revised layout of the shipyards and the construction of new facilities geared to catering for the specific requirements tailored to the market more efficiently and more sustainably.

Project Code: P. 3166

Project Value €30,000,000.00

Current Status
Structural redevelopment Drydock n.4: Detailed design and Local Planning Permission Authority in progress
Connecting yard between Drydocks n.4 and 5: Detailed design and Local Planning Permission Authority underway
Structural redevelopment Drydock n.5: Design process in progress
Extension ex-megadock: Design process in progress

Start Date
Structural redevelopment Drydock n.4: Q4 .2023
Connecting yard between Drydocks 4 and 5: Q4 2023
Structural redevelopment Drydock n.5: Timeframe underway
Estension ex-superdock: Timeframe underway

Contractor





Relocation of the Carmagnani/Superba Coastal Storage Terminals

Port Areas under review



Public utility services connected to the relocation of the Carmagnani and Superba coastal storage terminals from Multedo to the port area.

Project Code: P.3109

Project Value	€30,000,000.00
Current Status	Local planning permission authority underway
Start Date	2H 2023
Contractor	To be awarded



«Dune of Pra'» Urban Park

Project Rendering



The project is aimed at the completion of the promenade and cycle lane along the canal, and the creation of an urban park with a wide range of recreational sites.

The Dune urban park is designed to function as a visual screen and sound barrier between the port and the city.

Project Code: P.3067

Project Value

€15,500,000.00

Current Status

Construction works in progress

Start Date

October 2021

Completion Date

October 2023

Contractor

CONSORZIO STABILE

3 EMME



Work in progress



Cold ironing in the Cruise and Ferry Terminals

Genoa Passenger Port



The project foresees the installation shoreside of electric power converters for the provision of cold ironing at 6 passenger berths in the Port of Genoa to reduce air and noise pollution. The new facility provides ships with the opportunity to switch off the generators onboard when docked in the port.

Project Code: P. 2946

Project Value € 20,000,000.00

Current Status Executive design

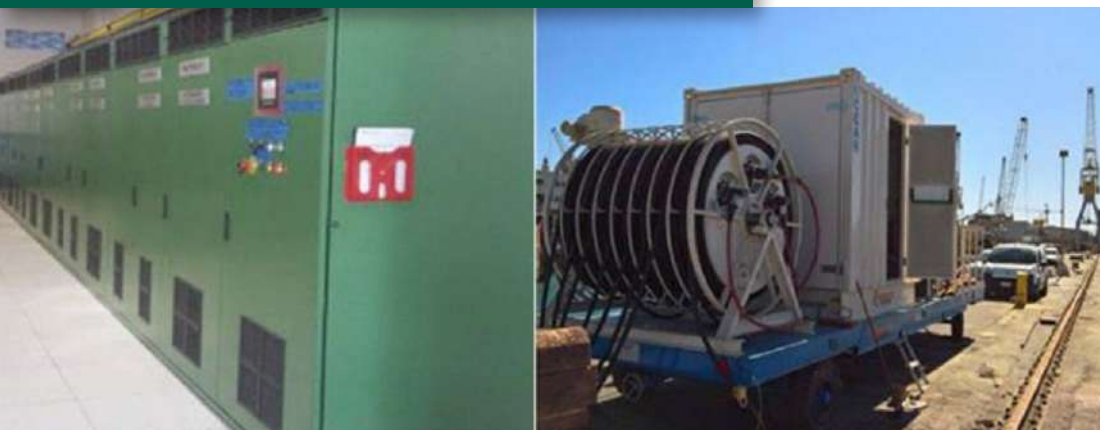
Start Date September 2023

Completion Date December 2024

Contractor



Cold ironing facilities in the Genova Pra' Terminal





Redevelopment of ex-Hennebique Grain Silos

Works in progress

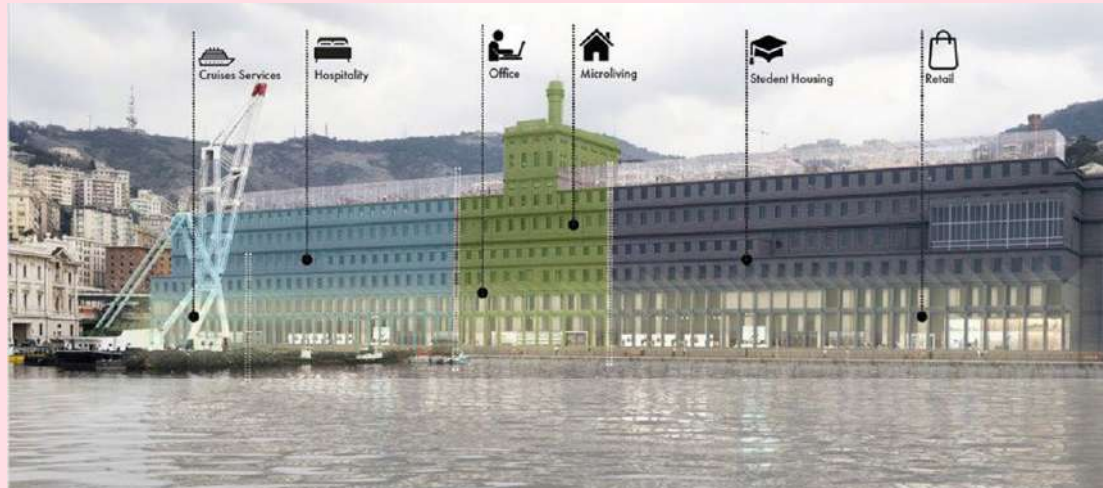
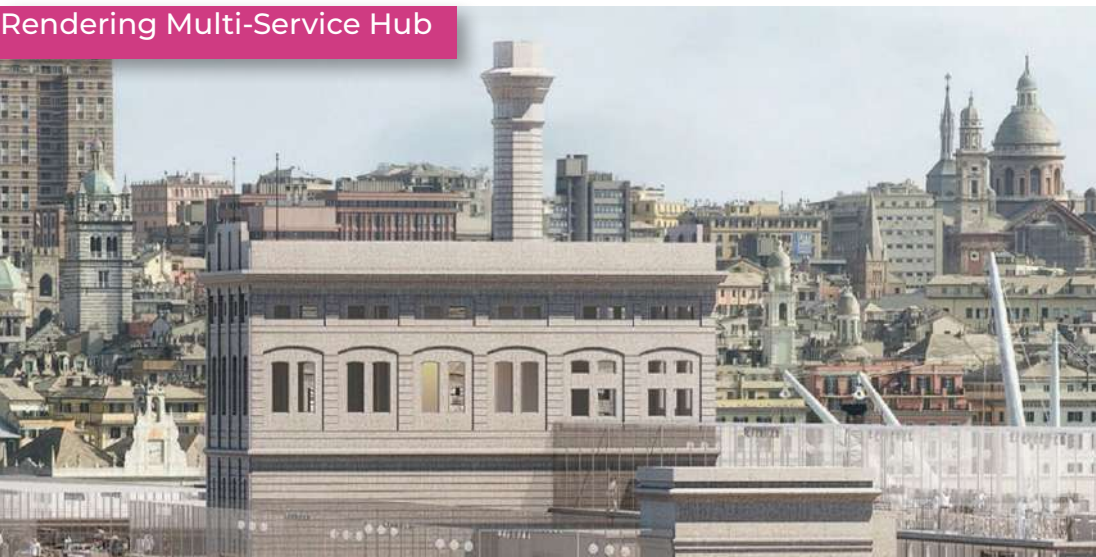


The redevelopment of the historic Hennebique former grain silos, one of the most striking reinforced-concrete buildings of the 20th century, takes shape. Strategically located along Genoa's Waterfront in the Old Port, it overlooks the sea and the city's historical centre and sits adjacent to the Cruise and Ferry Terminal. The plan is to reconvert the building into a major multi-service hub for cruise, tourist and recreational activities.

Project Code: P.3119

Project Value	€133,264,841.00
Current Status	Design and reviews. Preliminary construction works stages underway
Start Date	2022
Completion Date	December 2025
Contractor	

Rendering Multi-Service Hub





Levante Waterfront

Work in progress



Across the extensive sustainable redevelopment of the Levante port area, exhibition area and ship repairs sector, the creation of a new vibrant urban space, in part dedicated to yachting and marina services, for residents and tourists alike.

Project Code: P. 3108

Project Value	€370,000,000.00
Current Status	Construction works in progress
Start Date	January 2021
Contractor	

Project Rendering

