

CEF Action n° **2020-IT-TM-0037-S**  
**RENEW4GE**  
*“a Rail and sEa eNhancEment to Widerly connect Genoa to Europe”*

Corridor(s): Rhine - Alpine  
Pre-identified section(s) on the core network corridor(s): Genova



Co-financed by the Connecting Europe Facility of the European Union



Autorità di Sistema Portuale del Mar Ligure Occidentale





### PREMIER MEDITERRANEAN GATEWAY IN THE HEART OF EUROPE

Main southern gateway to the 2,423-mile **Rhine-Alpine Corridor** towards the major manufacturing and consumer centers in Europe:

Milan ↔ 145 Km

Turin ↔ 135 Km

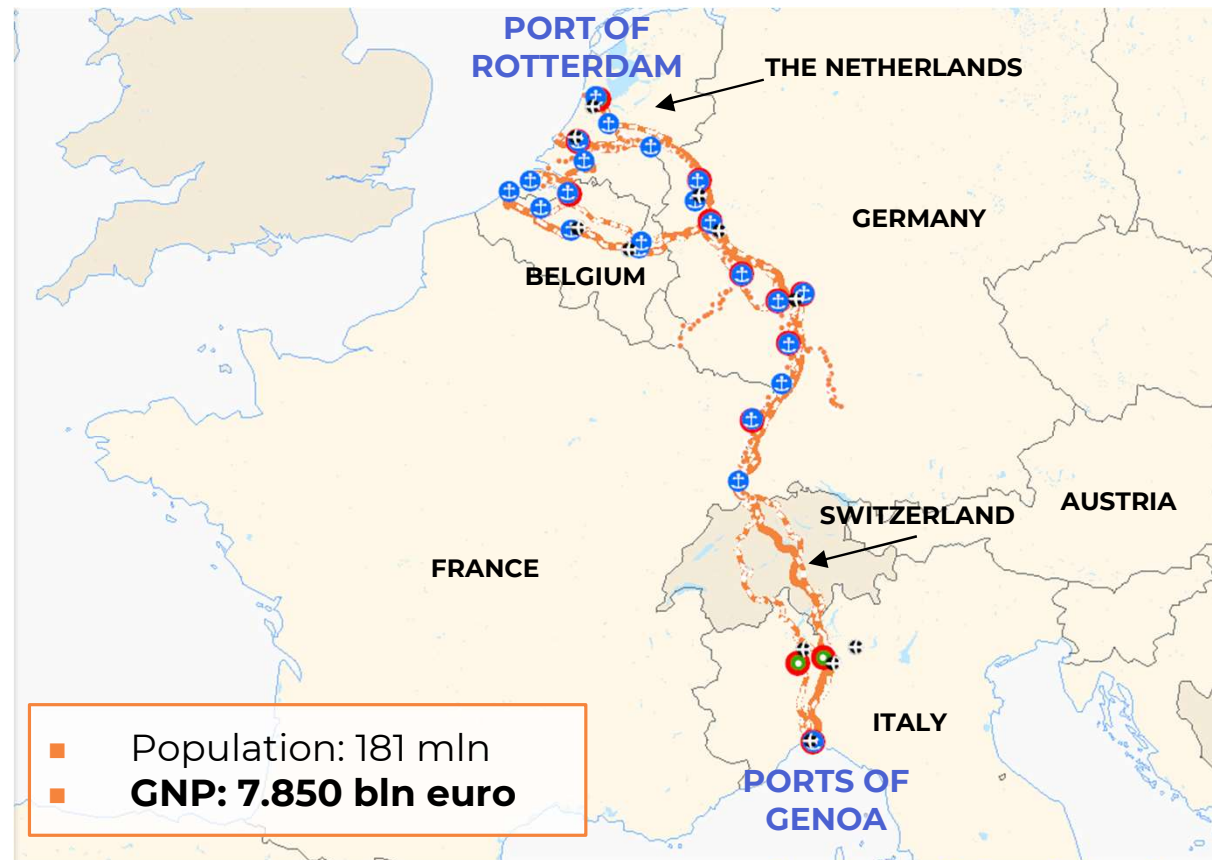
Padua/Venice ↔ 400 Km

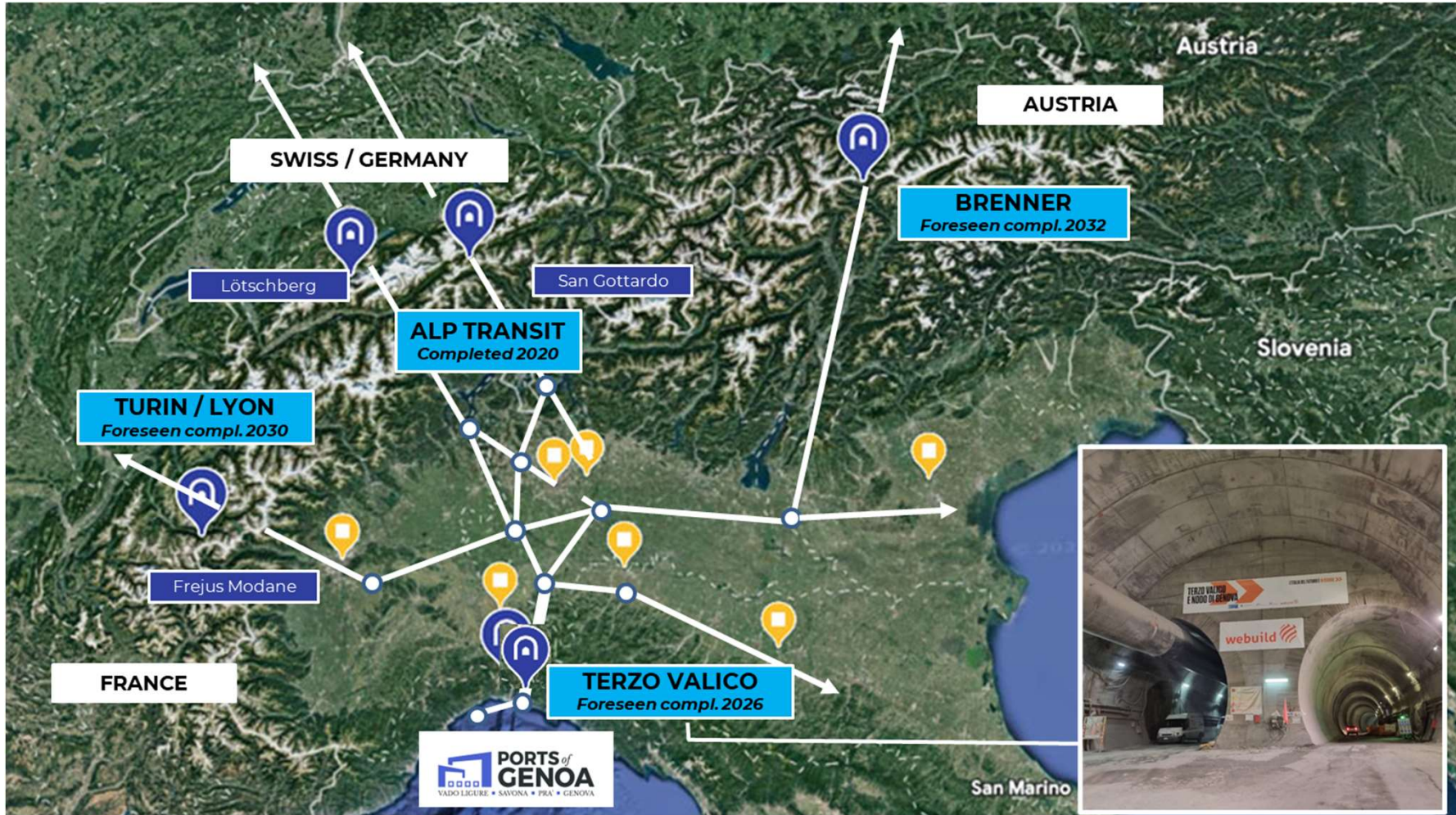
Switzerland ↔ 180 Km

South Germany ↔ 500 Km

Austria ↔ 450 Km

France ↔ 150 Km



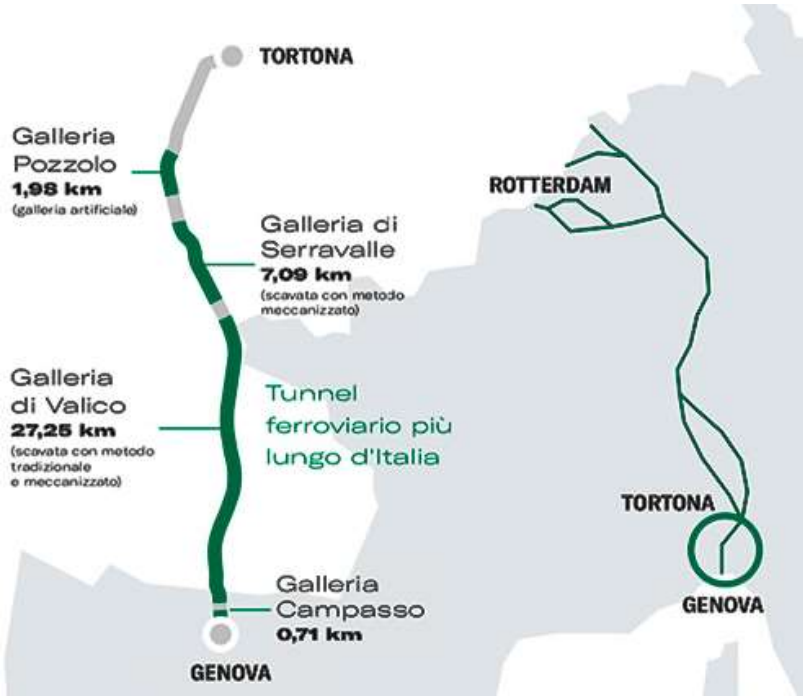


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### ■ "Terzo valico dei Giovi"



**GAUGE**  
P/C 80

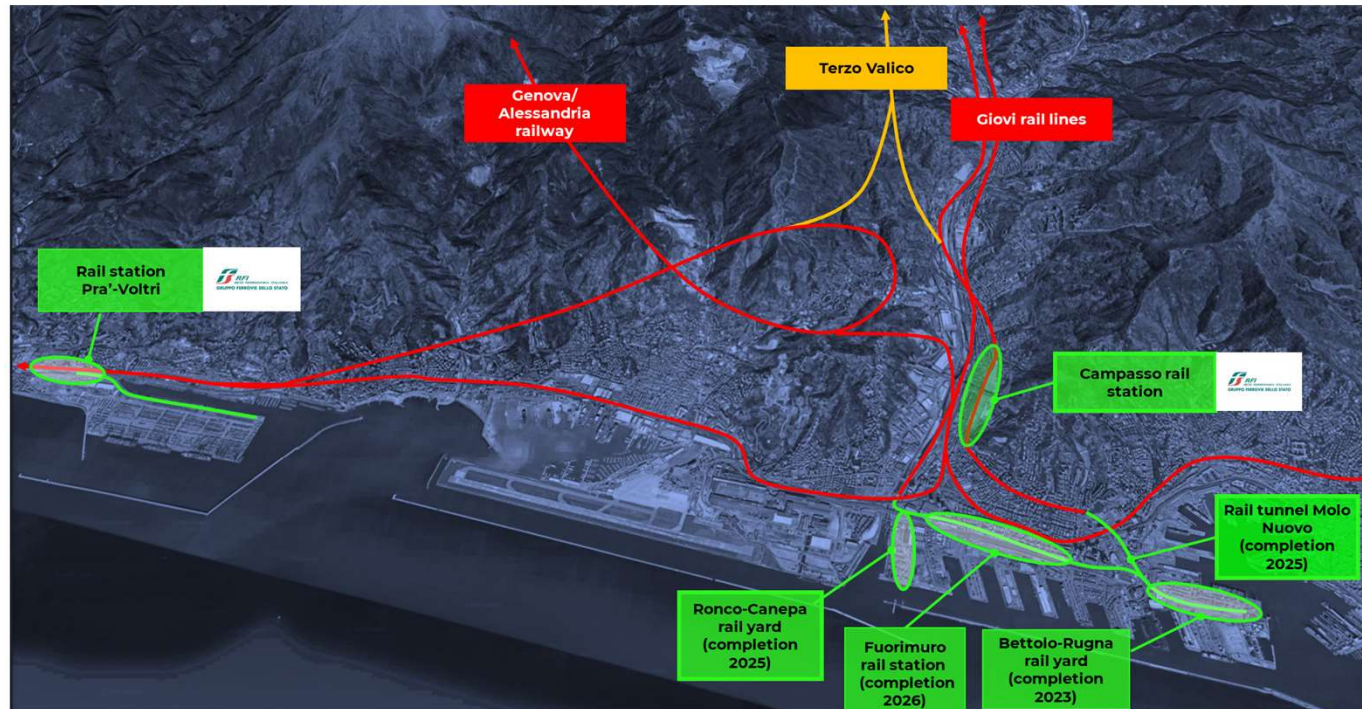


**TRAIN LENGTH**  
750 m



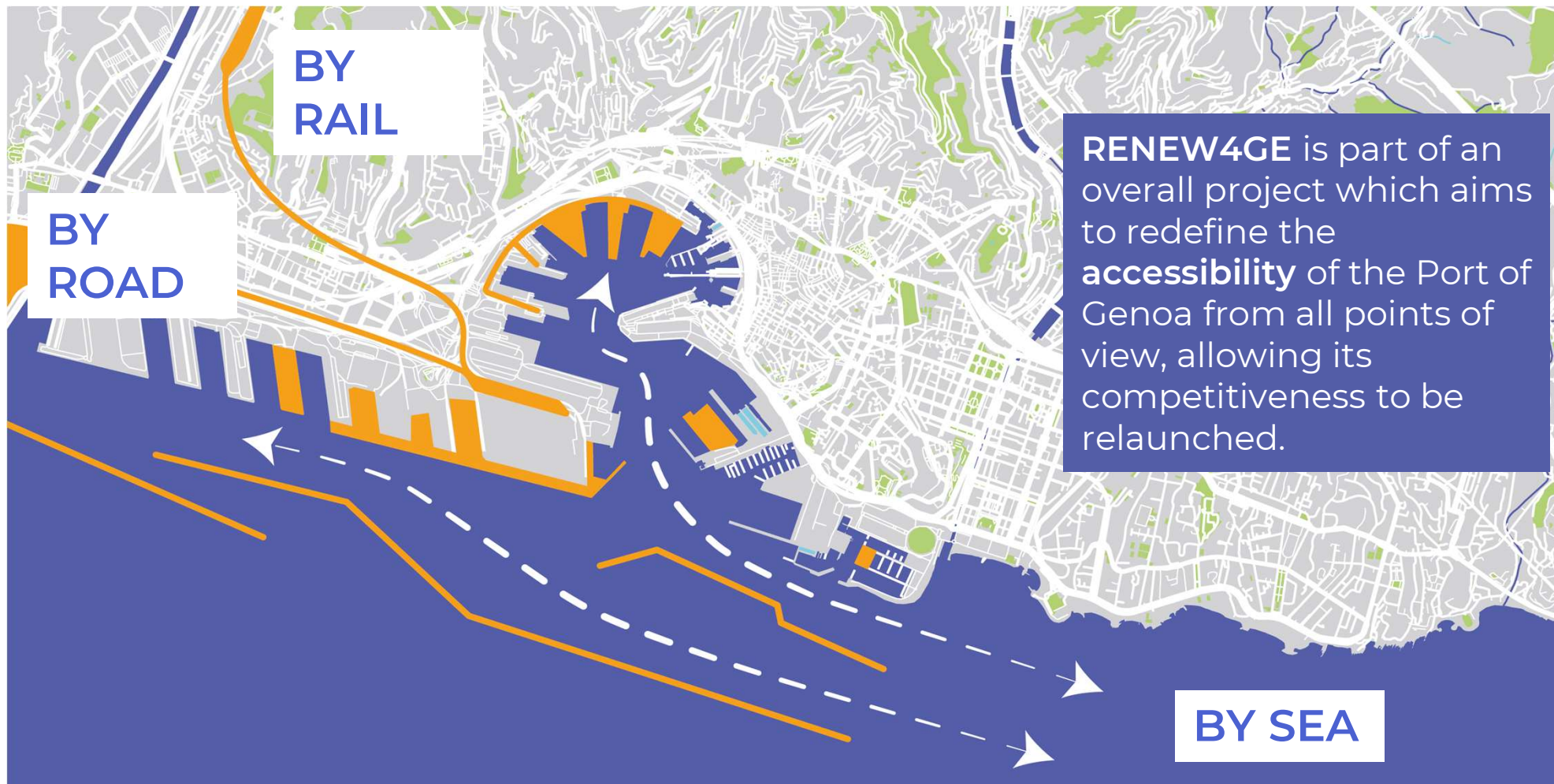
**GRADIENT max**  
12,5 %

### ■ Genoa rail "last mile"



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The Action started in **March 2021** and it is divided in five activities

<b>Activity number</b>	<b>Activity title</b>	<b>Start date</b>	<b>End date</b>	<b>Milestone number</b>
<b>1</b>	Railway connection through Molo Nuovo Tunnel	01/05/2021	31/12/2023	1,2,3,4,5,6
<b>2</b>	Revamping of Rugna rail yard	07/04/2021	19/01/2022	7,8,9,10,11,12
<b>3</b>	Revamping of Fuori Muro rail yard	22/03/2021	02/10/2023	13,14,15,16,17
<b>4</b>	New Maritime Traffic Control Tower	12/05/2021	29/07/2023	18,19,20,21,22
<b>5</b>	Project management and communication	22/03/2021	31/12/2023	23,24

As a consequence of Amendment n. 1 of 24/03/2023, the duration of the Action has been extended till 31/12/2023





Activity title	Eligible costs up to 31/12/2022	Grant Agreement Budget	CEF transport Financing (50%)
Railway connection through Molo Nuovo Tunnel	144.509,41	950.000,00	475.000,00
Revamping of Rugna rail yard	234.066,90	265.000,00	132.500,00
Revamping of Fuori Muro rail yard	10.321,12	3.040.000,00	1.520.000,00
New Maritime Traffic Control Tower	834.697,57	1.140.000,00	570.000,00
Project management and communication	15.152,66	155.000,00	77.500,00
<b>TOTAL</b>	<b>1.238.747,66</b>	<b>5.550.000,00</b>	<b>2.775.000,00</b>

We do not expect any major deviations between the Grant Agreement budget and the eligible costs up to the end of Action because the project costs for the rail interventions were precisely quantified as per original signed agreements between RFI and AdSP, and for the New maritime Traffic Control Tower because in the proposal we've already taken in consideration the rebate offered during the tender process.

Once the final report will be completed, in 2024, the total final eligible costs will be provided.





**Activity 1 – Railway connection through Molo Nuovo Tunnel** was completed within end of December 2023.

It carried out the verification of the Final Design and produced the Detailed Design together performing the environmental monitoring report before the start of construction works as planned by the Environmental Impact Assessment screening concluded in 2019.

<b>Milestone n.</b>	<b>Milestone description</b>	<b>Effective end date</b>	<b>Status</b>
1	Start of the verification of the Final design Molo Nuovo Tunnel	23/06/2021	✓
2	Conclusion of the verification and validation of the "Final Design" of Molo Nuovo Tunnel	21/03/2022	✓
3	Publication of the call for tender for the Detailed Design Molo Nuovo Tunnel	25/03/2022	✓
4	Signature of contract for the "Detailed Design" of Molo Nuovo Tunnel	18/07/2022	✓
5	Conclusion of the "Detailed Design" of Molo Nuovo Nuovo Tunnel	31/12/2023	
6	Finalization of Environmental Monitoring plan	01/03/2023	✓







<b>KEY POINTS</b>	<ul style="list-style-type: none"><li>■ Electrified double tracks</li><li>■ PC/45</li><li>■ Direct link to National rail infrastructure</li></ul>
<b>WORKS TIMEFRAME</b>	February 2023 → II semester 2025

According to the Detailed Design, the railway connection foresees:

- **Double railway line** with adaptation to **PC45/PMO2** gauge equipped with *signalling technologies* up to the border of the Bettolo-Rugna yard and *electric traction systems* up to the exit of the Molo Nuovo tunnel at Via al Passo Nuovo.
- Construction of a new building for the realization of an «**ACC Porto**» system (safety and control systems), independent but in connection with the «ACC Campasso» (already in operation).





**Activity 2 – Revamping of Rugna rail yard** was completed by 19/01/2022 ( 5 months in advance)  
The Final Design was completed in March 2021 and is not part of the Action. So this activity carried out the verification of it, and the production of the Detailed Design meanwhile obtaining the approval of the Conferenza dei Servizi for the revamping of Rugna rail yard.

Milestone n.	Milestone description	Effective end date	Status
7	Start of the Verification of the Final Design Rugna rail yard	15/04/2021	✓
8	Conclusion of the verification and validation of the "Final Design" of Rugna rail yard	13/08/2021	✓
9	Finalisation of the Conferenza servizi procedure	19/08/2021	✓
10	Publication of the call for tender "Detailed Design" of Rugna rail yard	27/08/2021	✓
11	Signature of contract for the "Detailed Design" of Rugna rail yard	14/12/2021	✓
12	Conclusion of "Detailed Design" of Rugna rail yard	19/01/2022	✓





<b>KEY POINTS</b>	<ul style="list-style-type: none"><li>■ 9 tracks</li><li>■ 500 m. approx</li><li>■ Automation and signalling system</li></ul>
<b>WORKS TIMEFRAME</b>	January 2022 -> March 2024



According to the Detailed Design, the revamping of the rail yard:

- Phasing out of the current rail yard.
- Construction of a rail yard with 9-tracks of approximately 500 m length each.
- Connection to the «ACC Porto».





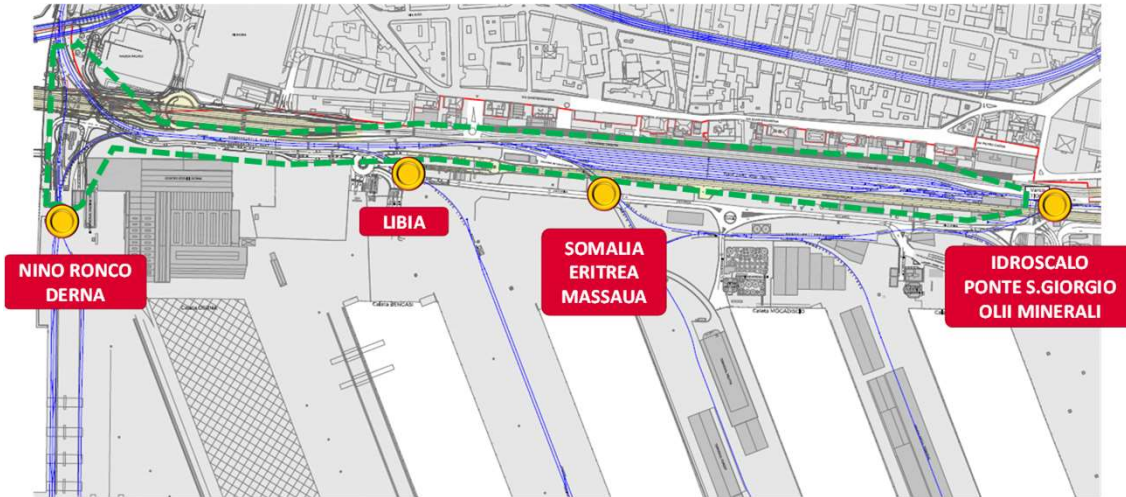
**Activity 3 – Revamping of Fuori Muro rail yard**

This Activity carried out the Technical and Economic Feasibility Project study, completed in April 2022, and the Final Design for the revamping of the Fuori Muro yard.

The whole activity has been completed in October 2023 with a delay of about 1 year mainly as a consequence of a project refinement necessary to manage the new interferences between railway traffic and vehicular flows on the internal road network of the port.

<b>Milestone n.</b>	<b>Milestone description</b>	<b>Effective end date</b>	<b>Status</b>
13	First draft of the technical and economic feasibility project of Fuori Muro rail yard	06/05/2021	✓
14	Conclusion of technical and economic feasibility project of Fuori Muro rail yard	29/04/2022	✓
15	Conclusion of "Final Design" of Fuori Muro rail yard	02/10/2023	✓
16	Conclusion of the verification and validation of the "Final Design" of Fuori Muro rail yard	28/07/2023	✓
17	Finalisation of the Conferenza servizi procedure	25/07/2023	✓





The tender has been launched last October 2023 for the following revamping works:

- Upgrade of railway yard and extension of seven railway tracks
- Construction of signalling technologies.
- Electric traction systems

<b>KEY POINTS</b>	<ul style="list-style-type: none"> <li>■ 7 electrified tracks</li> <li>■ 750 m. length</li> <li>■ Automation and signalling system</li> </ul>
<b>WORKS TIMEFRAME</b>	I semester 2024 → II semester 2026





**Activity 4 – New Maritime Traffic Control Tower** was completed in July 2023.

This Activity carried out the Final and the Detailed Design of the new maritime traffic control tower, the pilots’ workplace, including the adjustment of the offshore structures having a protective function for the new traffic control tower.

The new tower will rise on the shore cliff – or quay E – and on an island alongside the West quay of the nautical dock, as already approved in the Technical and Economic Feasibility Project study in November 2020 (not part of this Action).

Milestone n.	Milestone description	Effective end date	Status
18	Start of the Final Design of New Maritime Control Tower	12/05/2021	✓
19	Conclusion of "Final Design" of New Maritime Control Traffic Tower	28/06/2022	✓
20	Finalisation of the Conferenza servizi procedure	31/12/2021	✓
21	Conclusion of the verification and validation of the "Final Design" of New Maritime Control Traffic Tower	13/07/2022	✓
22	Conclusion of "Detailed Design" of New Maritime Control Traffic Tower	29/07/2023	✓



The concept project of the new port control tower was donated to the Port by the famous architect *Renzo Piano*.



The location for the new tower has been identified in relation to **safety, open view** and immediate **availability**.

The planned works include the construction of the new control tower on an artificial island, and two raised blocks will also be built on the quay for offices, accommodation and technical rooms. The works at sea to protect the new Piloti tower will also be carried out.

<p><b>KEY POINTS</b></p>	<ul style="list-style-type: none"> <li>■ Construction of a new pier</li> <li>■ Construction of the new Control Tower (including stairways, lift and the control room)</li> </ul>
<p><b>WORKS TIMEFRAME</b></p>	<p>July 2022 → October 2024</p>





**Activity 5 - Project management and communication** will be completed by 31/12/2023

Throughout the project lifetime, the project management:

- has focused on monitoring the Action works progress and the related financial investments progress
- has been committed to underline to the competent departments the necessity to comply with the deadlines of the Project.

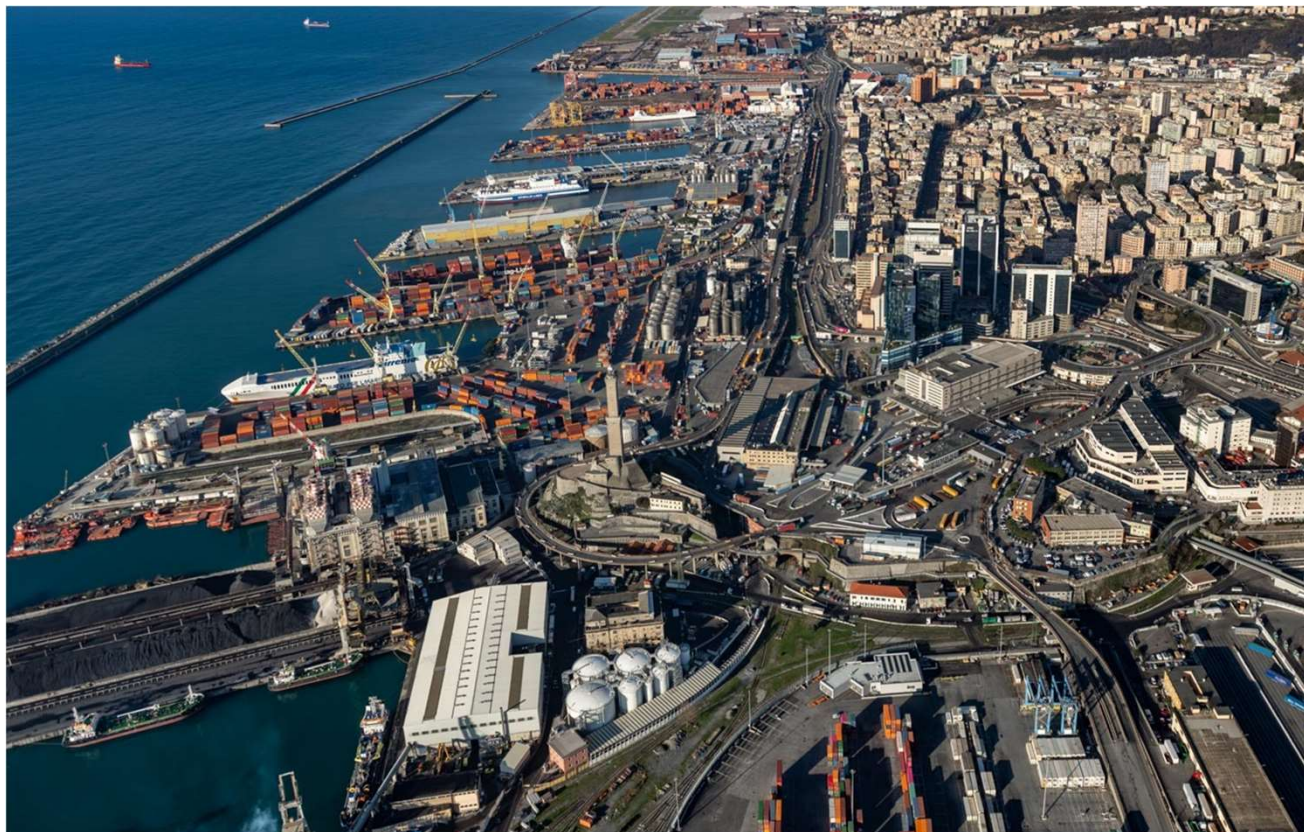
The Action has been publicized:

- in the Ports of Genoa's internet website with a specific dedicated Section <https://www.portsofgenoa.com/it/strategia-sviluppo/politica-europea/progetto-cofinanziati/progetto-renew4ge.html>
- in the Section Green Port of our Annual Report and in the Three-Year Port Plan.

<b>Milestone n.</b>	<b>Name</b>	<b>End date</b>	<b>Status</b>
23	Dedicated section of the Action in the Port Authority website	31/12/2021	✓
24	Organization of a Final thematic workshop	27/11/2023	✓







Thank you

EU Policy and Logistics  
Office

[www.portsofgenoa.com](http://www.portsofgenoa.com)

