



PRESS RELEASE

RINA signal Genoa bridge completion

Genoa, 28 April 2020 – It has been just 19 months since the tragic collapse of the Morandi bridge, officially known as the Polcevera Viaduct, in Genoa. RINA, the company commissioned to manage both the demolition of the old bridge and the rebuilding of the new, announced today that the main construction is completed as the final bridge section was lowered into place. Although not open to the public as yet, this is an important step in the project and one which has been eagerly awaited by Genoa's population of over 580,000 residents. RINA's engineers have spent more than 150,000 hours managing this high-profile project from day one and were responsible for delivering the project within budget and on time, despite the challenges of Covid-19.

The Commissioner awarded RINA with a contract for the Project Management, Works Supervision and Health and Safety Management of the project. The company's responsibility spanned all approval processes and operational activities. A team of 90 people have been dedicated to managing the project led by Andrea Tomarchio (Project Management), Alessandro Aliotta (Works Supervision) and Emilio Puppo (HSE Manager).

This was a complex civil engineering infrastructure project with the team having to address the demolition of the old bridge and reconstruction of the new in an urban environment. The works were undertaken in a small, densely populated area where major industrial companies such as Ansaldo Energia are also located. It is crisscrossed by four city roads and a railway which is a vital link to Genoa's port, plus pre-existing utility network supplies (gas, water, etc.) and a river.

Roberto Carpaneto, CEO of RINA Consulting, said: "Having an effective Project Manager at the helm of a complex project such as the Genoa Bridge results in a dynamic approach. On the one hand, the project can proceed in compliance with all regulatory requirements and safety standards. On the other, the team is able to react quickly and effectively to the obstacles that arise every day. By applying RINA's advanced project management capabilities, it was possible to manage the significant environmental factors and to start the reconstruction of the new bridge at the same time as the demolition of the remains of the former bridge."

The scale of the project was huge with more than 3,000 technical documents created and around 600 audits conducted with the itinerant checks and approvals on technical, quality, safety and environmental aspects of the plans for the demolition and reconstruction of the bridge. The RINA team also carried out 2,000 inspections at the plants producing the materials and structural elements of the new viaduct and inspected and verified the suitability and conformity of 15 production installations, including those for the production of sheet metal, metalwork, concrete, concrete reinforcement rods and the laboratories carrying out test on materials. In addition, more than 250 technical planning and execution and 220 technical operational coordination meetings have taken place, demonstrating RINA's commitment to managing the project to completion as quickly as possible while maintaining the very highest standards.

Operations were able to continue during the Covid-19 emergency thanks to the willingness of all the companies involved and the centralised coordination of the project. As Safety Coordinator, RINA put in place the necessary protocols to mitigate the risk of infection as the virus first appeared in Italy. The primary actions undertaken included the continuous training of staff, constant communication as to the progression of the virus and the mandatory self-protection measures required (and provided). These



included systematic daily temperature monitoring, the implementation of group shifts allowing prompt isolation when necessary, daily tracking of contacts between people and monitoring to ensure that procedures were applied and adhered to.

Carpaneto continued: "This project is one of the most important in my career. Genoa's skyline was transformed in a short time. From to the moment of the tragic collapse to the explosive demolition of the remains - June 28th, 2019 was an intensely emotional day. This project has been a test of RINA's ability to coordinate an extraordinarily complex operation. The plan worked flawlessly, allowing the city to return to normal in a few hours, with maximum safety for both workers and the population. Today, seeing the deck joining the sides of the valley is an equally emotional experience, in a positive way. It is a demonstration that Italy is a country that can continue to function and to be strong even in the most difficult moments, and that its people can demonstrate great managerial and operational skills. This viaduct is an important symbol for the restart of the country and a reference point for everyone. But the work is not yet finished. Our vision is firmly focused on achieving the reopening of the new bridge quickly and well. Then we will be fully satisfied".

RINA provides a wide range of services across the Energy, Marine, Certification, Transport & Infrastructure and Industry sectors. With an expected turnover in 2019 of 465 million Euros, over 3,900 employees and 200 offices in 70 countries worldwide, RINA is a member of key international organizations and an important contributor to the development of new legislative standards.