



## **PRESS NOTE**

### **Fagioli's role in the demolition of the Morandi bridge and in the construction of the "Genova San Giorgio" bridge**

Fagioli, an international leading engineering company in heavy transport and lifting, and project logistics activity, took part both in the demolition of the Morandi bridge and in the construction of the new "Genova San Giorgio" bridge, putting in place all its engineering and logistics skills: project management, shipping, heavy transport and lifting, dismantling and assembly activities.

#### **Demolition of the Morandi bridge**

After the collapse of the bridge, Fagioli was awarded together with other companies specialized in demolition of structures and plants, environmental remediation and structural engineering, for the removal of the sections of the Morandi bridge.

Among the companies of the ATI (temporary joint ventures), Fagioli dealt with the lowering and dismantling of the sections that have not collapsed.

For the lowering of the horizontal decks, called berger beams, weighing up to 916 tons, a system of hydraulic jacks positioned onto cantilever beams and tailor made structures bridge involved a detailed preparatory phases of securing and functional testing of the remaining structures in order to ensure that the operations would take place in conditions of maximum safety and stability.

Large-capacity crawler cranes (up to 600 tons) were used for the lifting / lowering and dismantling of the Western piles' sections. Once onto the ground, the sections were moved with special trailers, called SPMT. The works carried out by Fagioli also entailed the use of gantry lifting systems and modular trailers.

The value of Fagioli's contribution to the demolition of the Morandi bridge was rewarded in the context of one of the most important awards in the world for the heavy transport and lifting activity, the "SC&RA 2020 Job of the Year Awards".

The jury of the competition awarded the prize to Fagioli as the best lifting operation executed in 2019 in the "RIGGING JOB OF THE YEAR OVER 2\$ MILLION" category (the one with the highest value) for its engineering contribution in the lifting operations within the complex dismantling work of the old bridge.

#### **Construction of the new "Genova San Giorgio" bridge**

Fagioli was one of the primary partners of the "PerGenova" consortium (Salini Impregilo – now Webuild - and Fincantieri Infrastruttura) being awarded from Fincantieri Infrastruttura for the transport, handling and installation of the new sections of the "Genova S. Giorgio" bridge.

The Emilian company transported by sea and road all the sections necessary to assemble the bridge, 237 sections with a weight between 56 and 89 ton. Once discharged at the port of Genoa, the sections were transferred to the construction site with specialized means, through dedicated routes. No.60 heavy transports were carried out at night so as not to impact city traffic.

The various components were assembled onto the ground and positioned under the reinforced concrete piles before being lifted and positioned at a height of 50 meters. Specialized trailers SPMT were used to move the larger spans,



100 meters long and weighing about 2,000 ton each, while the lifting operations were carried out with strand jacking system and crawler cranes with a maximum capacity of 1,250 tons.

The operations were carried out by specialized personnel who worked in double shift, seven days a week, with an average daily presence of about 30-40 operators.

*Fagioli is a world-wide certified engineering company specialized in Heavy Transport and Lifting, Project Logistics and Freight Forwarding activities*

*Founded in 1955 in Sant'Ilario d'Enza (Reggio Emilia), Fagioli S.p.A. it is the only company on a Worldwide basis, able to offer the customer a complete service covering the entire logistics chain, from transportation to lifting projects.*

*The company is mainly active in the Oil & Gas, Civil, Power, Shipbuilding, Mining, and Rescue sectors and has one of the largest fleets of vehicles in the world to perform any kind of oversize transport and lifting operations.*

*Since 2017, in the portfolio of the QuattroR investment fund, Fagioli has been operating through the headquarters of S. Ilario d'Enza (Reggio Emilia) and the hubs of Singapore and Houston (Texas), counting 14 operating companies in all continents and employing a total of over 600 employees, Worldwide. The 2019 turnover was equal to about 200 million euros (+ 40% on 2018) of which about 85% , generated on foreign countries.*

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