



SAINT-JULIEN-MONT-DENIS (FRANCE), DECEMBER 12, 2022.

PRESS RELEASE

EXCAVATION BEGINS FOR THE LYON-TURINO TUNNEL ENTRANCE ON THE FRENCH SIDE!

December 8, Implenía Switzerland (leader), Implenía France, NGE, Itinera and Rizzani De Eccher began the excavation work for the entrance of the Lyon-Turin tunnel.

Preparation and installation work started in December 2021 are now finished. Excavating now begins.

Preparation work is finished

794 jet grouting columns were created, a luthetian wall equipped including two layers of prop and with 12,550 metres of anchorage blocks was built to allow the beginning of the excavation in soft ground, under a tunnel roof.

290,000 tonnes of materials were excavated to clear the tympanum area (approximately 600,000m³ for the project overall).

A site looking to the future

The construction of both the consortium and the project management offices had strict environmental, economic, and social specifications. In addition, the consortium is currently building three acoustic buildings, whose technical specifications will reduce noise and dust pollution for the residents. Commissioning is scheduled for the first trimester of 2023.

Excavation begins French side of the tunnel trance

Last week was the first dig and laying of the first arch. The excavation began the week following the Santa-Barba benediction, a very symbolic and moving moment for the team working on the project.

Out of the total length of the two tubes, i.e. 5.678 km of tunnel, 1,018 m will be built under a tunnel roof and more than 1,000 arches will be installed. In a few days, the consortium is due to start excavating the second tube.



In short:

- *Two tubes tunnel*
- *Total length of 2x 2,839 metres*
- *Entrance*
- *Entrance to the Lyon-Turin tunnel in France*
- *Only project performed using a traditional excavation methodology*

Your contact for the company consortium : Ombeline Bredow, ombeline.bredow@implenia.com

IMPLENIA Suisse :

As Switzerland's leading construction and real estate service provider, Implenia develops and builds homes, workplaces and infrastructure for future generations in Switzerland and Germany. It also offers tunnelling and related infrastructure projects in further markets. Formed in 2006, the company can look back on around 150 years of construction tradition. The company brings together the know-how of its highly skilled development, planning and execution units under the umbrella of an integrated leading multinational construction and real estate service provider. With its broad offering and the expertise of its specialists, the Group realises large, complex projects and provides client-centric support across the entire life cycle of a building or structure. It focuses on client needs and on striking a sustainable balance between commercial success and social and environmental responsibility. Implenia, with its headquarters in Opfikon near Zurich, employs more than 7,700 people across Europe and posted revenue of CHF 3.8 billion in 2021. The company is listed on the SIX Swiss Exchange (IMPN, CH0023868554). More information can be found at www.implenia.com

Media relations:

T +41 58 474 74 77

communication@implenia.com

About NGE [New Generations of Entrepreneurs]

NGE is an independent construction and civil engineering company, with revenues of 2.8 billion euros: one of the top 4 players in France. Around the world, NGE teams finance, design, build and renew infrastructures and buildings in 17 countries. The Group's 16,000 employees are involved in the construction of major sustainable mobility infrastructures, with a proven track record worldwide.

NGE's major references in underground work includes tunnelling projects using TBMs on the sections of lines 11, 14, 15 and 16 of the Grand Paris Express, as well as the tunnel link Haussmann Saint-Lazare in Paris, using the traditional method.

The NGE Group's expertise is also being demonstrated throughout the world on major projects such as the PPP railway project for the construction of Ferrocarril Central (270km) in Uruguay, the LRT 10th of Ramadan in Egypt, the Crossrail project in London, United Kingdom, the 740km North-South rail line in Saudi Arabia and the underground cross-border section of the Lyon-Turin (TELT) high-speed line.

Media relations:

Eloi Fouquoire

eloi.fouquoire@gmail.com

+33 (0) 6 76 77 11 56

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