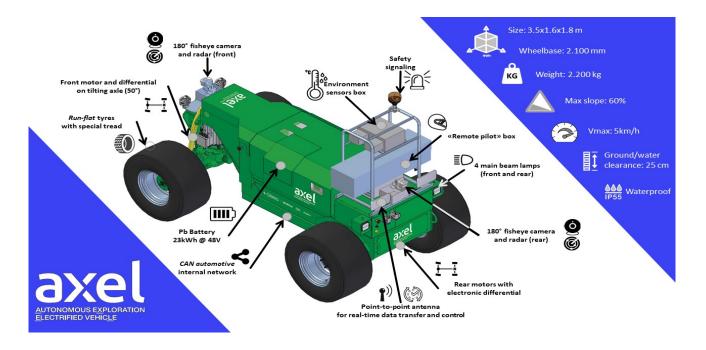


PRESS NOTE

WEBUILD CONDUCTS SUCCESSFUL TEST RUN OF AXEL (AUTONOMOUS EXPLORATION ELECTRIFIED VEHICLE) A WORLD-FIRST PROTOTYPE TO EXPLORE TUNNELS SAFELY



- Robot inspected tunnel at "Nicchie La Maddalena" site on Italian side of Turin-Lyon base tunnel commissioned by TELT
- Remote-controlled prototype able to substitute workers during tunnel exploration
- **Developed for Webuild**, robot at highest level of reliability
- Zero-emissions robot able to resist harsh atmospheric conditions
- Developed with Competence Industry Manufacturing 4.0 (CIM), one of the main Competence Centers in Italy

CHIOMONTE, April 8, 2022 – Webuild and its Swiss subsidiary CSC Costruzioni successfully completed the test run of a robot called AXEL (Autonomous Exploration Electrified Vehicle), a prototype based on avantgarde technology to improve the safety of workers involved in the excavation of the Turin-Lyon base tunnel. The innovative, remote-controlled robot is a world first, able to inspect the atmospheric conditions of a tunnel where potential risks are unknown. AXEL is the result of a collaboration between the Webuild Group and a research centre called Competence Industry Manufacturing 4.0 (CIM). Its purpose was to conduct a preliminary inspection of a tunnel at the "Nicchie La Maddalena" construction site on the Italian side of the planned base tunnel between the two cities. It is an example of how innovation is applied to robotics so as to increase safety for workers in the infrastructure sector.

Commissioned by TELT (Tunnel Euralpin Lyon Turin), the binational public entity responsible for the development and management of a high-speed/high-capacity railway to be built under the Alps between Turin and Lyon, the site of the Nicchie La Maddalena required the inspection of three kilometres of a diagnostic, or exploratory, tunnel to ensure that the unknown atmospheric conditions were safe for workers.



The inspection was conducted by AXEL, named after the main character r in the novel "Journey to the Centre of the Earth" written by Jules Verne.

AXEL is the first example in Italy of the use of robotics to explore a tunnel at the site of a planned railway. It allowed for the gathering and analysis of data on the atmosphere to identify the areas where workers can work in safety. It can be controlled remotely for up to two kilometres. Equipped with telecameras, sensors, communication antennas, the robot guarantees a high level of reliability as it operates under harsh environmental conditions. Powered by a battery, it produces no emissions.

AXEL is just the latest example of applied research to be deployed by Webuild, which approaches every project and construction site as an opportunity for innovation, especially in terms of worker safety, environmental sustainability and efficiency.

The work to be done at the Nicchie La Maddalena site is part of the preparations for the excavation of the base tunnel, which will be 65 kilometres long. By encouraging travel on rail rather than road, the railway will help avoid three million tonnes of CO2 emissions each year. It will be part of the high-speed/high-capacity railway that will connect Paris and Milan. It is part of the Mediterranean Corridor of the Trans-European Transport Network (TEN-T), the ambitious European Union initiative for sustainable mobility to connect the region's railway networks and increase the transport goods by rail rather than by road.

Webuild is working on other TELT lots. In July 2021, the Group and its partners won a contract worth €1.43 billion for the excavation of a section of the base tunnel. Lot 2 involves the construction sites of La Praz and Saint-Martin-de-la-Porte. It also involves a total of 46 kilometres of tunnels that will include two parallel tunnels forming the railway line, as well as a system of auxiliary tunnels. In 2020, the Group and consortium partners were awarded a €450-million contract for Lot 5A. It foresees the preparatory works for the construction of a safety site in Modane and for four ventilation shafts that will be at the service of the future base tunnel with the view of building a logistics hub 500 metres below the Massif of Ambin.

Webuild, the new Group founded in 2020 by Salini Impregilo, is a major global player in the construction of large complex infrastructures for sustainable mobility, clean hydro energy, clean water, green buildings, supporting clients in achieving the Sustainable Development Goals - SDGs. The Group is the result of 115 years of applied engineering experience in 50 countries on five continents, with 80,000 direct and indirect employees representing over 100 nationalities. Having been acknowledged for five years by Engineering News - Record (ENR) as the world's top company for the implementation of infrastructure in the water sector (dams, hydraulic and wastewater projects, drinking water and desalination plants), since 2018, it has been included in the top ten within the environment sector and is also a leader in the sustainable mobility sector (in particular with regard to undergrounds and railways, as well as roads and bridges). A signatory to the United Nations Global Compact, the Group's expertise lies in projects such as the Milan M4, Grand Paris Express, Copenhagen Cityringen, Sydney Metro Northwest in Australia, Red Line North Underground in Doha, Line 3 Metro in Riyadh; high-speed railway lines in Italy; the new Genoa Bridge in Italy and the new Gerald Desmond Bridge in Long Beach, California; the expansion of the Panama Canal; the Snowy 2. O hydroelectric plant in Australia; the Rogun Dam in Tajikistan; the Anacostia River Tunnel and the Northeast Boundary Tunnel in Washington, D.C.; the Al Bayt Stadium, which shall host the 2022 World Cup in Qatar. At the end of December 2021, it had a total order backlog amounting to €45.4 billion, with 92% of the construction backlog relating to projects linked to the advancement of the United Nations Sustainable Development Goals (SDGs). Webuild, under the management and coordination of Salini Costruttori S.p.A., is based in Italy and listed on the Milan Stock Exchange (Italian Stock Exchange: WBD; Reuters: WBD.MI; Bloomberg: WBD:IM)

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More information at www.webuildgroup.com











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