

Geneva, 10 November 2021

## Press release

### **GoH!: the 100% Swiss green-hydrogen truck at transportCH**

From 10 to 13 November, the 11th Swiss commercial vehicle show at Bernexpo will feature a 40-tonne truck powered by hydrogen and designed exclusively by Swiss companies. This project, heralded in Geneva in November 2019, has now reached maturity and will be taking to the road at the beginning of next year.

The GoH! – Generation of Hydrogen programme is the result of a close collaboration between four companies and a foundation that have joined forces to see through this ambitious project. Migros Genève will soon start transporting its products with this impressive new truck, which emits only water into the atmosphere. The business is part of the Migros Group's commitment to reduce its carbon footprint nationwide in a major step forward in introducing a clean, sustainable logistics chain. GreenGT, an R&D pioneer in high-power hydrogen-electric propulsion solutions, designed the truck's powertrain and architecture. LARAG, a specialist in the maintenance and construction of commercial vehicles, modified the original truck chassis, integrating the hydrogen propulsion system. Services Industriels de Genève (SIG), which supplies the entire Geneva area with electricity, water, gas and thermal energy and provides the region's waste water treatment and waste processing services, are about to develop an electrolyser that will produce the green hydrogen used to fuel the truck with renewable and local electricity.

But the GoH! – Generation of Hydrogen project is about a lot more than simply building a hydrogen-electric truck. It is a global concept which, in developing this vehicle, has forged a network of capabilities that pave the way towards an integrated approach to carbon-free mobility in the coming years. This new form of mobility will have to draw on new labour skills, which in turn will require a total transformation of skills training to produce professionals qualified in this pioneering technology.

The Nomads Foundation has made this objective its number one priority. Switzerland, which has a world-beating training and education sector, must maintain its leading position by acting now to prepare its apprentices and specialists for the technologies of the future. The GoH! initiative is the perfect opportunity to use a technological innovation as a springboard to kick-start an ambitious change in the education provided for the professions concerned. This cross-discipline program incorporates the entire value chain, including logistics and training. It is not limited to simply getting a prototype into circulation; it is the starting point of a constructive response to the ecological transition that has to take place.

## **The GoH! partners**

### **Migros Genève**

Since 1945, Migros Genève has been supplying high-quality food and non-food products at an affordable price. The business is owned by more than 135,000 cooperative members. Because it is a cooperative with no shareholder dividends to pay, it is able to invest effectively in the medium and long term, particularly when it comes to sustainable development. As a driving force in the local economy, Migros Genève reinvests its profits for the benefit of its consumers, its employees and the quality of life in the Geneva region. In everything it does, including transport, Migros works hard to come up with solutions that strike the right balance – economically, environmentally and socially. By transporting its goods with the GoH! truck, which emits only water, Migros is fulfilling its promise to reduce its carbon footprint, in a huge stride towards achieving its sustainable logistics goal.

### **GreenGT**

GreenGT is an independent company with a leading international reputation that has been engaged in research and development in high-power hydrogen-electric mobility solutions for a decade now. Based in Switzerland and France, the independent company has amassed experience and expertise in three areas of the hydrogen energy transition: mobility engineering and systems for use in land, air and sea transport, motor sport, and developing responsible hydrogen-electric ecosystems within cities and regions and in various business sectors.

### **LARAG**

LARAG is the Swiss specialist in commercial and heavy goods vehicles and engines, including alternative engines. The company offers the full range of commercial vehicle services, from new vehicle sales to vehicle and mechanical engineering design, and including the repair and reconditioning of accident-damaged vehicles. With its specialist knowledge and experience, LARAG can offer solutions tailored specifically to each customer. The company has eight branches all over Switzerland, including in Geneva. For LARAG, training is a top priority: around a fifth of its employees are apprentices. Its role in the GoH! project is to assemble GreenGT's drivetrain. LARAG is also committed to training mechanics in hydrogen propulsion systems and maintaining the new-design prototype.

### **SIG**

Every day, SIG provides the citizens of Geneva with essential services, supplying water, gas, electricity, thermal energy and supporting the development of smart districts in Geneva. SIG processes the city's waste water, recycles its waste and operates energy efficiency and environmental programs. By taking part in this project, SIG is helping to develop sustainable mobility and deploy alternative energy sources in working towards the energy transition.

## The Nomads Foundation

The Nomads Foundation is a private not-for-profit public utility foundation. It provides its partners with a collaborate platform that operates across a range of disciplines. The Nomads Foundation exists to create links between organisations, making it possible to conceive and develop high-impact joint projects in fields incorporating various disciplines, such as mobility, energy efficiency and green jobs. In addition to offering concerted, practical solutions to the issues facing society now and in the future, the Nomads Foundation draws on its projects and members to accommodate the changing skills requirements across the different disciplines involved. In this way, it works with its partners to anticipate the training needs of the future.

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