Zero-carbon mobility innovator STOR-H will participate in CIIE for the first time.

Optimizing the energy structure, preventing air pollution, and addressing climate change are common challenges facing humankind. At the opening ceremony of the “One Belt One Road” summit forum for international cooperation, president Xi Jinping pointed out that "we should seize the new round of energy structural adjustment and energy technology revolution, build a global energy Internet to realize green and low-carbon development". Hydrogen is regarded as the clean energy with the most development potential in the 21st century. However, the current use of hydrogen energy is relatively low. Accelerating the layout of the hydrogen energy industry and building a hydrogen energy society has become a new hurdle that world powers have been striving to overcome in recent years.

In order to expand the use of hydrogen energy, better solve the existing problems in the field of environmental protection and seek common development in in-depth cooperation, the global low-carbon solutions expert and hydrogen zero carbon mobility leader - Swiss STOR-H Technologies will participate in CIIE from November 5 to November 10, 2020. As a high-tech energy company attending the exhibition for the first time, STOR-H will showcase its core technologies - safe and stable hydrogen fuel cartridge, “Powered by STOR-H” module, digital cartridge distribution system, hydrogen fuel-powered light mobility vehicles, and zero-carbon mobility ecosystem deployment solution.

STOR-H Technologies SA
www.aaqius.com
Contact: Alexandra de CHAZEAUX
adechazeaux@aaqius.com

Mr. François Maurice, STOR-H's Technical Projects Manager, will be present at the fair to show and explain STOR-H's innovative technologies and solutions. Due to the epidemic, Mr. Stéphane Aver, the chairman and founder of AAQIUS, the parent company of STOR-H, will not be able to visit the scene in person and will communicate with the guests via video conferencing. Mr. Jean-Pierre Raffarin, special representative of the French government for Chinese affairs and former French Prime Minister, who supported STOR-H's entry into China and helped it establish partnerships with the Chinese central government and key cities, will also be available via video conferencing to witness STOR-H's key moment at the fair.

STOR-H is looking forward to discussing with Chinese enterprises and government representatives at the expo. We look forward to working together with you to create a green economy.

STOR-H: Expert in low-carbon solutions and leader in intelligent hydrogen-fueled transportation.

STOR-H Technologies SA was founded in 2017 as a spin-off from AAQIUS, a high-tech company headquartered in Switzerland, which focuses on "green", "low-carbon" technologies for the transport and energy sector. AAQIUS has successfully created "low-carbon" technology solutions in the field of engine emission control. This has now become the standard in the global automotive industry, with more than 30 million vehicles using the technology worldwide.

STOR-H Technologies SA integrates all of AAQIUS's hydrogen-related assets and resources and has an extensive expertise in solid hydrogen storage and system integration.. It is the result of 8 years of research and development by AAQIUS, a pioneer in new energy and hydrogen fuels, to introduce a new zero CO2 energy standard that empowers cities and light transport through the use of disruptive, proprietary hydrogen storage technology.

STOR-H is an energy distributor, aiming to become a global energy standard for zero-carbon mobility. Protected by 155 patents, the core technology of STOR-H enables the solid storage of “green" hydrogen, at very low pressures, in safe and easy-to-use cartridges. These cartridges are plug-and- drive and can be used in 2/3/ 4-wheeled light vehicles, where they can be replaced within seconds. Each cartridge supports a maximum driving range of approximately 50 km, can be reused up to 5,000 times and is 100% recyclable. Talking about autonomy, for a vehicle like the Sneaker (presented on STOR-H booth) under normal conditions of utilization, you can reach up to 50 km with one cartridge, hence 100 km with the 2 included cartridges. But with the right distribution network, there is no limit in autonomy anymore.

Indeed, when the cartridge is empty, the user can exchange it for a full one through a vending machine that can be located through a smartphone app. In addition to its extensive non-intrusive

Contact: Alexandra de CHAZEAUX
adechazeaux@aaqius.com

distribution infrastructure, consumers can also refill their hydrogen cartridge at home/office through a home charger. High-quality technology and internet-digital services provide users with a modern, high-quality experience to effectively manage their travel and energy needs.

Scan the QR code to watch STOR-H Green Intelligent Transportation Solution

STOR-H's innovative hydrogen storage technology is currently considered as an extremely promising solution for sustainable light mobility and low-carbon cities. Non-polluting, user-friendly, with almost no infrastructure requirements and relies on the power of the Internet… With these advantages, the STOR-H business model can be easily replicated and scaled up.

12 electric vehicle manufacturers have adopted the STOR-H energy standard, creating a broad portfolio of « Powered by STOR-H » vehicles in the 250W to 10KW power range, which are deployed globally.

STOR-H has received many awards in the recent years :
2020 Finalist of 'Swiss Tech Pitchinar' organized by the Swiss Embassy in China.
2019 Gold Medal at the 47th International Exhibition of Inventions Geneva.
2019 STOR-H Obtained the official support of the France National Industrial Council which awards only 2 projects/year.
2019 STOR-H Obtained the Solar Impulse Label for efficient green & profitable solutions from the Solar Impulse Foundation.

At CIIE, STOR-H will showcase technologically advanced hydrogen energy products, including the 3 main devices of its eco-system and 5 hydrogen energy vehicles.

3 main devices of STOR-H ecosystem.

STOR-H Cartridge: The cartridge is used to store the Hydrogen into solid hydrides. This mode of storage is perfectly stable and safe. There are 2 sizes of cartridges that are distributed directly within a network of vending machines.

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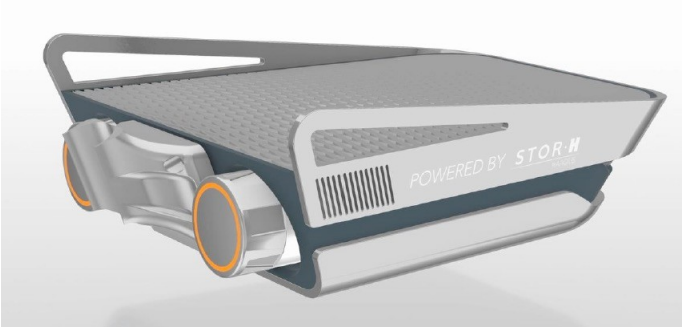
STOR-H Home Charger: This is a water electrolysis hydrogen H^2 production unit for home and office use. It allows cartridges to be easily recharged in the office or at home. This is ideal for those users (BTB, BTC) with one or two “Powered by STOR-H” vehicles.

Powered by STOR-H Fuel Cell Module and its Balance of Plant. Electricity production from stored hydrogen as replacement of the battery system. Over the power range 250 Watts to 10KW the “Powered by STOR-H” module composed of a Fuel Cell stack and its equipment (Balance of Plant) encased in an optimized proprietary module designed for Urban Mobility application, which includes the STOR-H H2 cartridge. The “Powered by STOR-H” module comes as a stand-alone box or as pre-packaged modules for application where space is of complex shape and volume. This module makes it very easy for an electric manufacturer to transform from a battery storage solution to a STOR-H drive" solutions.



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5 hydrogen energy vehicles.

"Powered by STOR-H" Fuel Cell 3 Wheel Scooter: Made in France, the 3-wheel revolution is safe and agile. It is the best alternative to a car or van in town. 3-wheel 100% electric: A revolutionary driving experience • Safety: incredible stability and road holding • Range power, motor power, max speed 125 cc equivalent (L3e category).

"Powered by Stor-H" Mob-ion Scooter AM1: It is an eco-designed connected electric scooter developed in France, that provides both individuals and delivery professionals with a sustainable, flexible and reliable mobility solution. The scooter is equipped with a connected casing with active communication capabilities called Jimini.io., which is the eyes and mind of the scooter. It supports a preventive maintenance system with wear-detecting sensors, it detects accidents, analyses the driver's on-road behavior, monitors energy consumption and tracks pollution levels. Its sensors also allow real time geo-tracking and remote locking in case of theft through a dedicated app. Geo-tracking enables users to oversee their fleet movement and visualize duration and distance of travels to optimize itineraries.

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"Powered by STOR-H " Fuel Cell Sneaker: Made in France, it is equipped with Schwalbe balloon tires for greater comfort, front/rear hydraulic disc brakes and a front parking brake for added safety, it also offers outstanding road handling and stability. With its platform able to support up to 25 kg of goods or materials, the Sneaker, customizable according to its use, will appeal to all those who need to move quickly, without effort, while carrying equipment.

"Powered by STOR-H" Fuel cell cargo bike: Made in France. More and more cyclists use their bike as their main mode of travel, but find themselves stuck by the load capacity of their bike, the space to accommodate a large cargo or the budget, a fuel cell cargo bike comes in handy.

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"Power by STOR-H" Fuel cell cargo bike: Made in France. A cargo bike that gives you and your family the freedom to go wherever you want. It is also an excellent application vehicle for urban logistics (takeaway, express delivery), environmentally friendly and convenient.

STOR-H & AAQIUS in China.

A bright future for the hydrogen energy industry in China.

In recent years, the development of the hydrogen energy industry in China can be described as a rapid advancement with bright prospects. Since 2011, the relevant departments of the Chinese government have issued a series of policies in terms of strategy, industrial structure, science and technology, and finance to guide and encourage the development of the hydrogen energy industry. In 2019, hydrogen energy was included in the government work report for the first time. This shows that the hydrogen energy industry has come to the vent of accelerated take-off .At present, China has preliminarily mastered the core technology of fuel cell, and basically established a fuel cell vehicle power system technology platform with independent intellectual property rights, and realized the production capacity of power system and complete vehicle of 100 units.

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The number of hydrogen energy and fuel cell companies in China has risen from 60 in 2010 to 215 in 2017, mainly in Beijing, Tianjin and Hebei, Shandong, Shanghai, Jiangsu, Guangdong and Sichuan. In the first six months of 2019, China's hydrogen energy industry achieved a total investment of more than $100 billion, compared to $85 billion in the same period in 2018. According to the White Paper on China's Hydrogen Energy and Fuel Cell Industry, it is predicted that by 2050, hydrogen energy will account for about 10% of China's energy system, and its annual economic output will exceed 10 trillion yuan.

China's Minister of Science and Technology Wan Gang once pointed out that at present, the world is facing a profound change in energy production and consumption, and hydrogen fuel cell technology innovation is becoming an important direction of the global energy technology revolution. Hydrogen fuel cell is the high point of technical competition in the future automobile industry. China must strengthen collaborative innovation, integrate resources from all parties and actively participate in international cooperation.

The STOR-H plan in China.

In order to accelerate the expansion of the applications of next-generation green energy and respond to the call of the China-EU "Belt and Road initiative", STOR-H is vigorously exploring the Chinese market and actively looking for excellent partners. STOR-H's deployment program in China can be projected into three phases: Partner identification (2021) - Pilot (2021-2022) – Industrialization and Commercialization (2023-）.

In 2017, AAQIUS and Censtar, the No.1 in the fueling dispenser industry in China in the presence of Mr. Raffarin, special representative of the French government for Chinese affairs and former Prime Minister of France, and Ms. Gu Xiulian, Vice Chairman of the 10th National People's Congress of the People's Republic of China, signed a strategic cooperation agreement during a Sino-French energy business meeting on International Cooperation held at the Belt and Road Forum. The signing of this agreement will serve as a model and lead the way for China and France to work together to build a clean energy business.

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STOR-H also works closely with the Investment Association of China (IAC). With their help STOR-H is promoting its hydrogen based zero carbon mobility ecosystem in key hydrogen pilot cities, establishing cooperation with B2G and B2B users and initiating the deployment of distribution infrastructure (vending machines, home chargers) for the transition to B2C.

In addition to commercial partners, STOR-H also actively seeks cooperation with the Chinese government and research institutes, such as the Energy Research Institute of the NDRC.

STOR-H's presence at CIIE 2020 is also to better promote its disruptive urban mobility solutions using hydrogen and associated equipment. Bringing to China its innovative, hydrogen-based, new urban comprehensive transportation system that complements the advantages of the existing transportation system. STOR-H is hoping to establish partnerships with outstanding enterprises, chambers of commerce and regional governments from all over the country to jointly promote the integrated development of technological innovation, smart mobility, environmental protection, low-carbon industries, and to contribute to local economies.

STOR-H's goal in China is to localize 100% of its complete green hydrogen ecosystem and 100% made in China.

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About STOR-H Technologies
STOR-H Technologies is part of the company AAQIUS, which is an innovative company specialized in the development of low-carbon, disruptive technology standards for transport and energy. AAQIUS relies on significant intellectual property (155 patents) and extensive know-how in solid hydrogen storage. In particular, AAQIUS has successfully created "low CO2 emission" technology solutions in the field of engine emission control, which have now become world standards in the automotive industry with more than 10 million vehicles in circulation. A pioneer in the field of hydrogen, AAQIUS has created a specialized entity called STORH Technologies bringing together all its assets and expertise related to hydrogen. STOR-H Technologies has developed a new energy standard based on a very innovative use of green hydrogen stored at very low pressures in plug & play cartridges to facilitate and accelerate the transition to low-carbon urban mobility. Reusable and recyclable, these hydrogen cartridges are used to drive different types of vehicles, 2, 3 and 4 wheels, for an urban mobility without any pollution.
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contact@aaqius.com

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