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CYCLEUROPE and STOR-H introduce “Sneaker”: the first hydrogen powered cargo bike



CYCLEUROPE Industries, a French manufacturer of electric bicycles (known for the Gitane and Bianchi brands) and STOR-H Technologies, experts in low carbon solutions and inventors of the STOR-H hydrogen storage cartridges, have combined their expertise to create a brand new concept of hydrogen-powered cargo bikes : the Sneaker. This multi-purpose cargo bike, designed for both professionals and private individuals, provides a unique solution for zero-carbon urban mobility.

Sharing a common commitment to finding innovative solutions for mobility, CYCLEUROPE Industries and STOR-H Technologies jointly developed the first hydrogen assisted Sneaker “Gitane powered by STOR-H”.

For the first time, the Sneaker has been equipped with the STOR-H technology. This exclusive technology is the result of 4 years of intensive R&D, covered by 155 patents and enables the storage of solid green hydrogen in cartridges at very low pressures. The cartridges are designed for plug & drive, and are used to drive different types of vehicles, 2, 3 and 4 wheels, "powered by STOR-H". Replaced in seconds, each cartridge provides a range of about 50 km. Moreover, the cartridges are reusable and recyclable with lifetimes of more than 15 years.

This innovative technology is currently considered to be the most promising solution for sustainable mobility, urban transport and zero carbon cities. Without greenhouse gas emissions, practical for the user and not requiring a complex infrastructure, this technology allows us to embrace a clean and easy-to-implement energy system.



With its compact steering system developed by CYCLEUROPE Industries, the Sneaker can sneak through the streets for more convenient, faster, safer and more environmentally-friendly routes. 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.

Designed to respond to the needs of the user in terms of sustainable mobility, it allows multiple uses for both professionals and the general public: transporting materials, delivering parcels, shopping, going to work, etc ...

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.

Through this collaborative project, the joint goal of CYCLEUROPE Industries and STOR-H Technologies is to innovate for the planet while providing a practical, versatile and modern user experience.

Sneaker's main features :

- e-Going Motorization: a technology developed by CYCLEUROPE Industries
- Central engine power : 250W
- Pendulum steering system
- E-Going console, LCD display with USB port
- Hydraulic disc brakes front/rear and parking brake front
- Hub with internal speeds



STOR·H
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About CYCLEUROPE

The CYCLEUROPE Group is the creator, manufacturer and distributor of bicycles and electric bicycles for all uses. The Group, an exclusive worldwide licensee for the Peugeot brand, owns the following brands : Bianchi, Gitane, DBS, Monark, Crescent, Kildemoes, Everton.

The Group has three production units in Europe, Sweden and Italy, including one in France, CYCLEUROPE Industries, in Romilly-sur-Seine (10). This site is recognized as an excellence center. Leader in his market, CYCLEUROPE Industries is constantly innovating.

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About STOR-H Technologies

STOR-H Technologie 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 STOR-H 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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