



The Dakar Rally truck showcases technology that will soon be applied to the road | Photo source [Gaussin](#)

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## A ZERO-EMISSION ELECTRIC RACING TRUCK IS COMPETING IN THE 2022 DAKAR RALLY

 MOBILITY & TRANSPORT

### The lightweight vehicle is powered by hydrogen and electricity

**Spotted:** French technology company GAUSSIN recently announced its entry in the 2022 Dakar Rally – an electric-hydrogen racing truck. Called the H2, the vehicle is zero emission and showcases the performance capability of the combination of hydrogen and electric power.

Away from the track, the company currently offers two versions of its vehicles. A fully electric option or a combination fuel cell and hydrogen engine option. Its batteries are compatible with most commercial charging designs, and business owners can choose between a fast and ultra-fast charging option. The fast charge completes in 20 to 30 minutes, while the ultra-fast charge takes only 10 minutes. As well as mobile charging units for individuals and smaller businesses, GAUSSIN provides charging stations for commercial fleets.

The truck competing in the 2022 race is designed for long-range driving, with approximately 20 minutes of hydrogen refuelling providing 800 kilometres of distance. The H2 Racing Truck is the first of a new fleet of zero-emission road trucks that will be launched from 2022. There is an autonomous version as well as a truck for distribution and construction. A key benefit of GAUSSIN's technology is that it has been developed for an ultra-light chassis.

Commenting on the H2 truck, Gaussin CEO, Christophe Gaussin, said, "For the GAUSSIN Group and its partners, this project, which has now become a reality, represents a technological achievement and the fruit of years of work and experience in zero-emission mobility. "

The speed of innovation in electric vehicles is impressive, with Springwise recently spotting an all-electric [construction fleet](#) as well as a new public transport option consisting of a fleet of self-charging [micro cars](#).

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## **Takeaway:**

Motor racing is a test-bed for innovations that are later applied to the road. This, at least, is the claim of racing series such as Formula 1. GAUSSIN clearly puts this principle into practice. The real significance of the technology behind the Dakar Rally truck, is that it will soon be applied to commercial vehicles. GAUSSIN's new range will still have to overcome some of the challenges commonly faced by new electric vehicles. This includes convincing people and organisations to make the leap from conventionally-fuelled vehicles to ones that require new modes of maintenance and thus changes to infrastructure.