

# A sustainable future for autonomous mobility

*The next era of automotive technology will increasingly do away with human interaction for steering, bringing a wealth of improvements in safety and efficiency. But before the future of self-driving cars can become a reality, the right technology must be developed in order to make these vehicles sustainable and cost-efficient. A group of partners around the Swiss think-tank Rinspeed, including Berlin-based Clean Energy Global, are introducing a new concept vehicle to enlighten what sustainable urban mobility can represent in this new decade. Its idea of a simple, fast, safe, and cost-efficient transport concept will dazzle attendees at the CES 2020, in Las Vegas.*

To keep up with the globally increasing need for economically and environmentally clean energy storage, a seasoned team of entrepreneurs founded Clean Energy Global in 2016. The company's founders, Peter Marchl, Philipp Rosengarten and Christoph Stürmer, came together to work on the next generation of electric energy storage. Under the Battery-as-a-Service (BaaS) concept, the company created the

purpose-designed smart battery Clean Energy Pack, a scalable, universal energy storage system for mobile and stationary use. The BaaS ecosystem entails an accompanying user app and data cloud which supports communication and billing between operators and users of Battery-as-a-Service. Among the many benefits of this approach are the dramatic reductions of energy storing costs through the scaling of battery modules according to actual

requirements. It also allows the fast swapping of pre-charged Clean Energy Packs instead of the slow recharge of fixed batteries.

At the upcoming CES 2020, in Las Vegas, a group of innovative partners led by Swiss creative think-tank Rinspeed, will debut the MetroSnap concept car, which leverages Clean Energy Global's technology for its power supply. A futuristic and sustainable solution, the MetroSnap concept is capable of capturing complex situations in city centers with a wide variety of road users.

"People are always looking for more convenience and simplicity in their lives – we want to enable this by means of our innovative transport solutions," said Frank M. Rinderknecht, CEO of Rinspeed. "The MetroSnap's interchangeable pods can also significantly reduce the number of road users on the streets."

With an eye toward sustainability and cost effectiveness, the vehicle features a flexible use of different plug-on modules for transportation, but also plug-in battery modules for charging. Smart and scalable technologies are the future of platform-based mobility and energy ecosystems.



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