

### *Replaces Lead-Acid Batteries in Vehicles*

**C2C NewCap** was founded in 2014 by Andre Mao de Ferro and Rui Pedro Silva. Based in Portugal, the team focuses on high-performance and impact technologies. Ocean Exchange awarded them \$100,000 in 2022 for their emissions reduction in ports.

C2C NewCap uses supercapacitors to enable more efficient energy storage. Their first product GO-START is tailor made for EU trucks and directly replaces the lead-acid batteries reducing fuel cost by 2000€ per truck per year and with an 11% CO2 emission reduction.



The same year they won the \$100,000 from Ocean Exchange they were awarded €6 million from the EIC Accelerator Program. In 2025, they represented EU green tech as an EIC-supported innovator at GITEX Europe.

In addition to their work with supercapacitors, C2C is known for their engineering expertise.

In 2025, C2C NewCap completed the

installation of four solar-powered backup systems in the city of Lviv, Ukraine, ensuring traffic lights continue to operate safely even during power outages. The project was a team effort between C2C NewCap, Cascais (Portugal), InnoEnergy and the Schreder Together Fund.

*“Developing this system was like solving a puzzle,” said Andre Mão de Ferro. “We had to bring together expertise in batteries, mechanics, solar energy, and electronics — and make it all work within the city’s existing infrastructure. Our ability to work across multiple engineering areas gave us the flexibility and speed to meet the challenge.”*

**Winning Formula:** “Launching a startup took a mix of a sense of disruptiveness, motivation and conviction to move forward with our own ideas.”

Discover more about their mission and technology: <https://www.c2cnewcap.com/>

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