

2026 ELECY FOUR-WHEELED ELECTRIC BICYCLE

This is the first full-scale working prototype of a vehicle that could transform urban transport, using an ultra-lightweight philosophy and Formula 1 experience.

The Elecy – pronounced “Ee-luh-see” – has been designed and built by Tamara Ivancova, an engineer-turned-entrepreneur who left her career in Formula 1 to create this four-wheeled, electrically-assisted bicycle.

After being displayed in the Club, Tamara is setting off to test it to its limits by cycling it around the world in a double world record attempt, solo and unsupported, across four continents and 23 countries.

“Every terrain, every climate., it will test the vehicle to its limits and, hopefully, inspire something bigger,” Tamara says. “Because if I can cycle around the world in the Elecy, surely you can cycle to the office. The World Tour is the campaign, the test, and the route to production.”

This prototype weights just 65kg unladen and, although it is fully enclosed, it can easily fit into cycle lanes as well as larger roads. It has a few rough edges because it is a testbed, but Tamara plans to refine it so it’s ready for mass volume manufacture.

“The reality is that the majority of car journeys are short, solo and urban,” she says. “For most of them, the car is overkill dressed as necessity.

“Cars are brilliant. That is not up for debate. The lightness of a great sports car. The precision of a well-engineered machine. The freedom of going exactly where you want, when you want. These things matter, and they are worth fighting for. Which is why it’s so frustrating that modern automotive design has drifted so far from them, increasing size to maximise margins, stripping away soul.

“So I took what I learned from motorsport: lightness, performance, doing more with less — and built the Elecy as a one-person team, bootstrapped from the ground up.”

Brief Technical Specification

Top speed: the electric motor cuts off at 25km/h (the legal limit)
but more on pedal power

Storage: 300 litres

Weight: 60kg

Range: 60-80km on one charge

On display Tuesday 16 June May to Monday 15 June, courtesy of Amara Automotive.