



Share your
BICAR



CO₂-FREE MOBILITY FOR A NEW URBAN LIFESTYLE

Problem – Challenge

Increasing traffic congestion and a new regulatory framework set by the EU in the field of environmental protection call for new strategies for more sustainable urban transportation systems. More than 60 cities in Europe will partially or completely ban the use of private fossil fuel-powered cars soon, meaning a huge opportunity for new individual mobility solutions. Current micro-mobility solutions (e-bikes and e-scooters) are only attractive to “the young and the fit”, as they require confidence to drive a 2-wheel vehicle in city traffic. No weather protection is provided, and usage fluctuates heavily depending on season and weather.

Solution

In 2014, a research team led by Ing. Adrian Burri and Dr. Ing. Hans Jörg Dennig at the Zurich University of Applied Sciences (ZHAW) initiated work on a new vision for an innovative individual eco-friendly mobility solution. Two years of research and development activities led to the creation of a forward-looking product for urban mobility, the BICAR. After extensive positive feedback from mobility experts, visitors at fairs and end customers, Ing. Burri and Dr. Dennig founded the ZHAW spin-off company “Share Your BICAR AG” (SYB) in 2016 with the goal of finalizing and commercializing the BICAR. The BICAR is designed for individual users to cover short and medium distances in urban areas. BICAR is the lightest (100 kg) and smallest (only 0.8 m wide and 1.55 m long) electrically powered three-wheel vehicle on the market (patent pending). It is radically sustainable and emission-free, will be Cradle to Cradle® certified and energy autonomous with integrated solar cells and a back-up Swap Battery System. According to very conservative calculations, one ton of CO₂ will be saved per BICAR per year. (<https://www.bicar.ch>)



Driving BICAR is not only fun. With BICAR, commuting, using Park&Ride, covering the first mile to the public transport connection becomes easier and more comfortable. BICAR can already be reserved in advance and will cost CHF 7000.