It's the first public cargo bike system in the city of Rosario and is a sustainable and efficient mobility solution for the transportation of goods in the city center.

Argentina
Municipality of Rosario, Santa Fe

- 178.7 km² Total Area
- 1,006,670 Estimated Population in 2022
- $627.43 million EUR for 2022, Municipal Budget

Rosario has a visible and sustained policy to promote active mobility and a public bicycle system that is working successfully will allow progress in a new service that can respond to the urban logistics needs of the city.

This is how Bicicargo seeks to contribute to the reduction of trips and GHG emissions from motorized modes of transport.

Bicicargo is a neuralgic point of the Argentine national territory. It is a strategic center and bi-oceanic communications node of the Southern Common Market (MERCOsur).

In 2015, it implemented its public bicycle system: “Mi bici tu bici”, which currently has:
- 77 stations with a coverage radius of 400 to 600 meters each,
- 617 bicycles in circulation and 107,900 active users in 47 stations,
- Accompanied by the cycling infrastructure that is made up of 205 km of cycle paths and bike lanes.

Rosario
Bicicargo system allows users to take a cargo bike from the stations through a reservation made by an application, allowing them to use the bike and make the trip to perform the deliveries of goods and return the bicycle to the nearest terminal at the end of the trip.

The maximum use time per trip is 90 minutes, starting when the cargo bike is picked up and ending when it is anchored with the U-type lock in the same or another station of the system.

Among its new features is the possibility of reserving a cargo bike in advance and making intermediate stops for 15 minutes to deliver goods, which through its technology, facilitates securing the motorcycle outside the station.

Rosario is a strategic center and bi-oceanic communications node of the Southern Common Market (MERCOsur).

In 2015, it implemented its public bicycle system: “Mi bicic, tu bicic”. The bikes are installed in 8 stations of the existing public bike system, duly identified in each dock.

At the end of the project implementation, these cargo bikes were incorporated into “Mi Bicic, Tu Bicic” and are now fully operational as part of this system.

The cargo bikes are equipped with two baskets, the front basket is 35x34cm and the rear basket is 46x41cm. Together they support a payload of 25 kg aprox.

Bicicargo is aimed to be used by citizens, suppliers, entrepreneurs, and retailers in the central area of the city.

Bicicargo incorporates 18 mechanical cargo bicycles in the public system “Mi Bicic, Tu Bicic”. The bikes are installed in 8 stations of the existing public bike system, duly identified in each dock.

Partners
 Municipality of Rosario

www.rosario.gov.ar

The Bicicargo system allows users to take a cargo bike from the stations through a reservation made by an application, allowing them to use the bike and make the trip to perform the deliveries of goods and return the bicycle to the nearest terminal at the end of the trip.
Environmental Impact

- CO₂-eq emissions per kilogram transported: 0.028 kg CO₂ eq/kg
- CO₂-eq emissions per delivery: 0.063 kg CO₂ eq/delivery

Logistics Performance

- Average kilograms of goods delivered per kilometer by vehicle: 0.681 kg / km
- Average distance traveled per hour in route: 8.33 kg / hour
- Average number of deliveries that a vehicle can accomplish per hour in route: 2.5 deliveries / hour
- Average number of deliveries a vehicle can accomplish per kilometer: 0.3 deliveries / km
- Average kilograms delivered per operating hour: 5.7 kg / hour

Economic Impact

- Operation cost per month of zero or low-emission vehicles: ARS 398,618
- Operation cost of transporting one kg of product per kilometer traveled in zero or low-emissions vehicles: USD 2291

Social Impact

94% of users thinks it is a "good idea" to be able to use cargo bikes for some of their delivery trips with the city’s public bicycle system.

* Project implementation took place between November 3 and December 3, 2022 and these results refer to a period of 30 operational days.