

CHALLENGER



SOLVER



**solum**



## MOTINN

### MOT innovative mobility procurement

Innobuyer collaborated with public institutions (challengers) to identify their unmet innovation needs and select suitable SMEs (solvers) to address them. The matched teams co-created pilot solutions over a 10-month period. Following successful pilots, challengers received support from Innobuyer and experts to design simplified ToR. Each project was backed by €100,000 in financial support—€41,500 for the challenger and €58,500 for the solver.

#### THE NEED

Las Rozas City Council, aimed to boost the adoption of new urban transport means. The challenge involved **finding and implementing innovative infrastructure solutions to support personal mobility vehicles (PMVs)** and encourage their use within the municipality, which has diverse terrain and scattered areas. Affected groups included the municipality's population, particularly those who use or could use PMVs.

#### THE IMPACT

The project successfully achieved its primary technical goal: **installing two charging stations**. Success is viewed as establishing a strong foundation for future scaling.

The experience gained is valuable for optimizing procedures, improving resource management, and planning future expansion

#### THE SOLUTION

Solum, a technology provider, co-created and implemented a solution involving the **installation of solar-powered charging stations for personal mobility vehicles**. The solution was designed to be autonomous, powered by renewable energy. Software development followed an Agile methodology with iterations based on feedback.

Features were adjusted, with some removed and new ones added, including a significant innovation: the integration of an artificial intelligence chatbot.



END-USERS, INCLUDING E-SCOOTER AND E-BIKE RIDERS, NOW HAVE ACCESS TO DEDICATED CHARGING INFRASTRUCTURE, MAKING THESE TRANSPORTATION OPTIONS MORE CONVENIENT AND RELIABLE. THE AVAILABILITY OF CHARGING STATIONS ENCOURAGES MORE PEOPLE TO USE MICROMOBILITY FOR SHORT URBAN TRIPS, REDUCING TRAFFIC CONGESTION AND LOWERING INDIVIDUAL TRANSPORTATION COSTS.

