

PROJECT

## LockAndCharge

### Ground-breaking and convenient electronic bicycle fleet management system available for the mass adoption.

**Funding:** European (Horizon 2020)

**Duration:** Feb 2016 - May 2016

**Status:** Complete

**Total project cost:** €71,429

**EU contribution:** €50,000



**Call for proposal:** H2020-SMEINST-1-2015

[CORDIS RCN : 200080](#)

#### Objectives:

As the concept of bicycle sharing gains tremendous momentum due to the pressing need for green and efficient inner city travel arises, the market space opens up for the right platform to enter and address these concerns. Enter the Lock & Charge solution, an electronic bicycle (ebike) fleet management system which streamlines management, safety, and commerce into a single easy-to-use platform for clients and end-users through using their mobile devices. In an innovative mix of engineering and business finesse, Lock & Charge allows 1) One-stop easy fleet management for clients through its control centre application 2) One-stop easy usage of services for end-users through its 'ebike rider' application 3) Affordable market entry for clients only requiring 1 ebike, 1 lock, and 1 dock station to start their businesses 4) Effective theft prevention through a siren alarm, tracking system, and steel jacketed cables. 5) And inclusivity for all riders based on their needs (e.g lower horse-power for the elderly, smaller ebikes for children etc.)

Lock & Charge has already established key sales channels in line with its go-to market strategy of establishing ebike fleets in co-working office locations, already implementing 2 trials fleets with raving results. It is currently at a pivotal stage requiring additional funds to 1) Engineer universal chargers into the dock stations, ensuring battery charging for all ebikes types, allowing accessibility to a wider range of customers . 2) Complete software and application optimisation and integration with the lock and dock station equipment for all functionalities to work seamlessly for end-users and clients.

#### Parent Programmes:

[H2020-EU.3.4. - Horizon 2020: Smart, Green and Integrated Transport](#)

**Institute type:** Public institution

**Institute name:** European Commission

**Funding type:** Public (EU)

#### Lead Organisation:

**Lock & Charge S.r.l.**

**Address:**

VIA FORTUNATO ZENI 8  
38068 ROVERETO  
Italy

**EU Contribution:** €50,000

#### Partner Organisations:

**D.labs, Razvoj Spletnih Aplikacij Doo**

**Address:**

DUNAJSKA CESTA 151  
1000 LJUBLJANA  
Slovenia

**EU Contribution:** €0

**Tretec Srl****Address:**

VIA CRISTOFORO BENEDETTI 7  
38121 TRENTO  
Italy

**EU Contribution:** €0

**Technologies:**

Mobility as a Service (MaaS)  
Bicycle sharing system

**Development phase:** Implementation

**STRIA Roadmaps:** Transport electrification, Smart mobility and services

**Transport mode:** Road transport

**Transport sectors:** Passenger transport

**Geo-spatial type:** Urban