



**SELSUSTAINED CROSS-BORDER CUSTOMIZED  
CYBERPHYSICAL SYSTEM EXPERIMENTS  
FOR CAPACITY BUILDING AMONG EUROPEAN STAKEHOLDERS**

# **RADIUS**

Autonomous micro-mobility parking and positioning  
management system for hospitality operators

**Nadya Bobova, KMB Lab**



Co-funded by the Horizon 2020 programme  
of the European Union

**DT-ICT-01-2019**  
Smart Anything Everywhere Area 2

**[www.smart4all-project.eu](http://www.smart4all-project.eu)**  
Grant Agreement: 872614

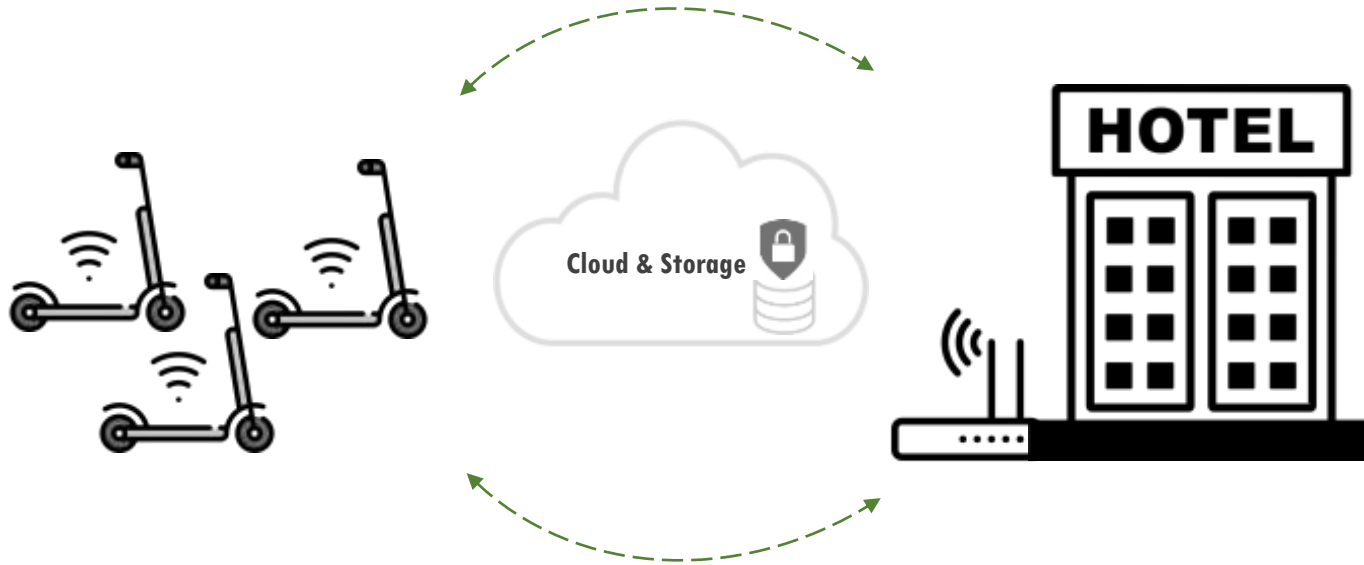
# Micro-mobility in post-pandemic scenario



- **Zero-emission transport**
- **Minimized physical contact**

# RADIUS

## Autonomous micro-mobility parking and positioning management system for hospitality operators



# RADIUS – TECHNOLOGICAL EXPERIMENT

**RADIUS aims to improve the effectiveness of technologies utilized for vehicles proximity detection and communication to the cloud.**



- Improvement of the energy efficiency of the parking control and positioning system
- Enabling stable communications in a covered indoor environment.

# Competition

## Free float e-scooters



vs.

## RADIUS



### GUESTS

- Covid-free solution
- Full-stay availability of personal e-mobility



### HOSPITALITY OPERATORS

- New revenue streams
- Offering of value added services



### LOCAL AUTHORITIES

- Personal responsibility for vehicles parking along the streets
- Data availability for infrastructure analysis.

# Consortium

SOFIA UNIVERSITY  
ST. KLIMENT OHRIDSKI



***KMB Lab***  
SMART IOT SOLUTIONS



**VIMAESCO**  
Investments & Consulting

Technology provider  
(Bulgaria)

Technology receiver  
(Italy)

Productization partner  
(Spain)