Madrid Living Lab
Citylogin UCC

Collaborative Urban Logistic 23rd may 2022 (ALICE-POLIS)

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 861598

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PILOT SETTINGS:

Facility selected: Public Parking Plaza Mayor

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Challenges experienced and foreseen

- Management of administrative permissions
- Adaptation of the premises
  - Previously a mechanical facility, adapt the space for a cross docking operation
  - Adapt electricity facilities (increasing capacity and installation of electrical charge points)
- Selection of appropriate vehicles for hauling and delivery services
- Work-force selection

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Management of administrative permissions

Coordination between EMT and Citylogin has been critical to increase the velocity for fullfill all administrative step neccesaries and cut the average time normally need for this step.

That allowed Citylogin to focus more resources in adapt the premises and accelerate the ramp up of the activity.

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Adaptation of the premises

Previous Status

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Adaptation of the premises

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Selection of the vehicles

Selection was made taken in account:

- The vehicle capacities in volumen, weight, range of action and maniobrability.
- The physical limitations of the premises (height limitation).
- The average deliveries in the LEZ area.
- The energie comsuption and charge mode installation needed.

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Selection of the vehicles

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Work Force selection

Selection was made taken in account: 12 positions needed

- Promotion of 3 drivers to Dispatcher from other operations.
- 9 people new contract for delivery operations.

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Results

UCC operations are now under data assessments about impact in different KPIs defined for the scenario.

We can advance this points that have impact in operations:

- A reduction from 6 minutes to 5 minutes the average time needed for a delivery in the area.
- Increment of the quality of the deliveries due to a better adjustment from ETA time with REAL time.
- Reduction of accidents, damage and fines in the area.

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New opportunities

Implementation of UCC brings Citylogin opportunity to:

- To offer new green delivery or pick up servicies in the area for local enterprises or particulars.
- To explore installation of Lockers or physical pick up points.
- To integrate operation and cohabit adquiring knowledge about local neededs and worries.

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Lessons Learnt

- Freight collaborative model based are posible and necessary
- New freight business models, more ecological, social and local are posible.
- "*Coopetition*" is necesary between different Enterprises to make this model economically efficient. Only with the all stakeholders implication and reaching the top of operational capacities can be sustanable in the future.

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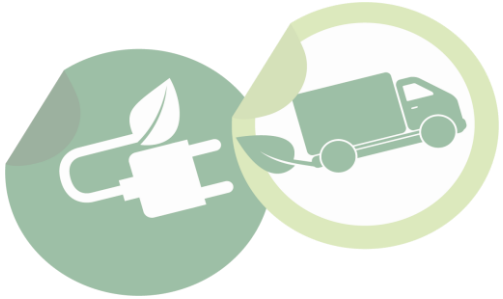
“The future, if it is not sustainable, is not future”



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