



INTERPORTO  
PADOVA SPA  
LOGISTICS OPERATOR



ReVeAL 

# CITYPORTO PADOVA

A successful model of  
citylogistic

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Camera di Commercio  
Padova



MINISTERO DELL'AMBIENTE  
E DELLA TUTELA DEL TERRITORIO E DEL MARE



REGIONE DEL VENETO



# WHO INTERPORTO PADOVA IS

## ADVANCED SUSTAINABLE LOGISTICS CENTER

1

### INTERMODALITY

Thanks to the intermodal terminal every year about 300,000 heavy vehicles are "taken off the roads" through the use of block trains that connect the most important Italian and European ports.

2

In terms of energy, Interporto has installed the **largest photovoltaic plant in Italy**, which produces 12.3 MW per year, on the roofs of the warehouses. In short, Interporto produces about 20-30% quantity of energy more than it consumes.

3

First dry port in Italy to install a **LNG station** for heavy trucks in its area.

4

### CITYPORTO

Operative since more than 15 years, performs the delivery of goods in the city center with CNG vans, removing almost 100 polluting diesel vans from the city streets every day.





# WHAT CITYPORTO IS

A really operating service of delivery of goods in the urban area performed with a fleet of CNG-vehicles which consolidate the deliveries of different transport operators, meanwhile reducing the traffic of freight transport vehicles.



# GENERAL ASSUMPTIONS

All the stakeholders involved in the citylogistics framework, transport operators included, agree that nowadays it is essential to face the last mile distribution in innovative terms, that is to say:



With *higher rationalization*,  
so having less vehicles  
circulating on the roads to  
transport the same quantity  
of goods



With *incentives and regulations* to support city  
logistics initiatives by the  
involved Municipalities



With *clean and energy-efficient vehicles*



# THE ROLE PLAYED BY LOCAL PUBLIC SHAREHOLDERS



## Protocol of Agreement between:

- The Municipality, the Province and the Chamber of Commerce of Padova, the local Public Transport Company (APS Mobilità), and Interporto Padova;
- Industrial Plan;
- Local rules on freight mobility supporting Cityporto Padova;
- Public fundings.

## Law 36/99 Regione Veneto:

*"Regulations for the rationalization of freight transport and distribution aiming to reduce air pollution in urban areas".*

**Cityporto Padova activities began on the  
21 april 2004**





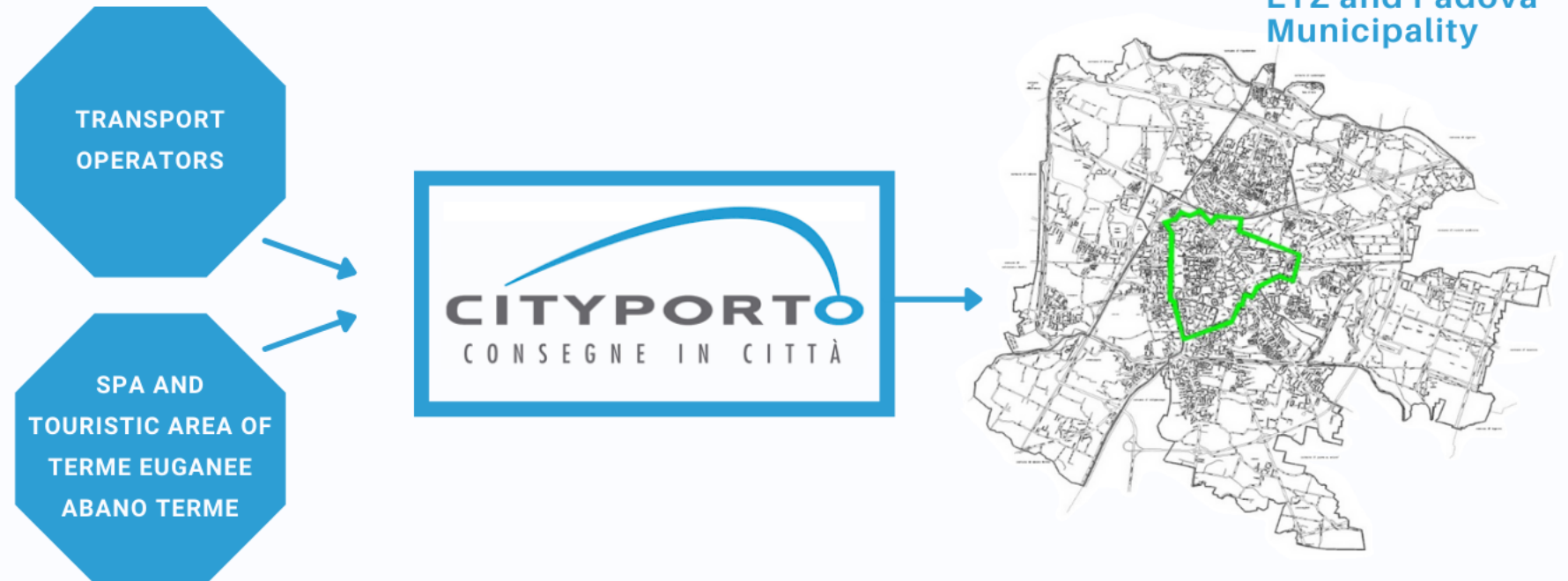
## KEYS OF SUCCESS



- 1** Stakeholder involvement
- 2** Full support of Municipality
- 3** Industrial plan focused on economic sustainability
- 4** Voluntary subscription of the operators to the service
- 5** Location of a freight village close to the urban area
- 6** Gradual steps of implementation of the activities

# THE MODEL OF CITYPORTO PADOVA

The freight transport operators deliver their goods with destination to the city centre/ Limited Traffic Zone and closer urban rings – to a logistics platform in Interporto Padova dedicated to the consolidation of the deliveries . IT System support the managing of the daily delivery plans: Cityporto eco-friendly vehicles leave the platform and cover the «last mile» having maximized their loading capacity in benefit of reduced number of delivery trips at best.





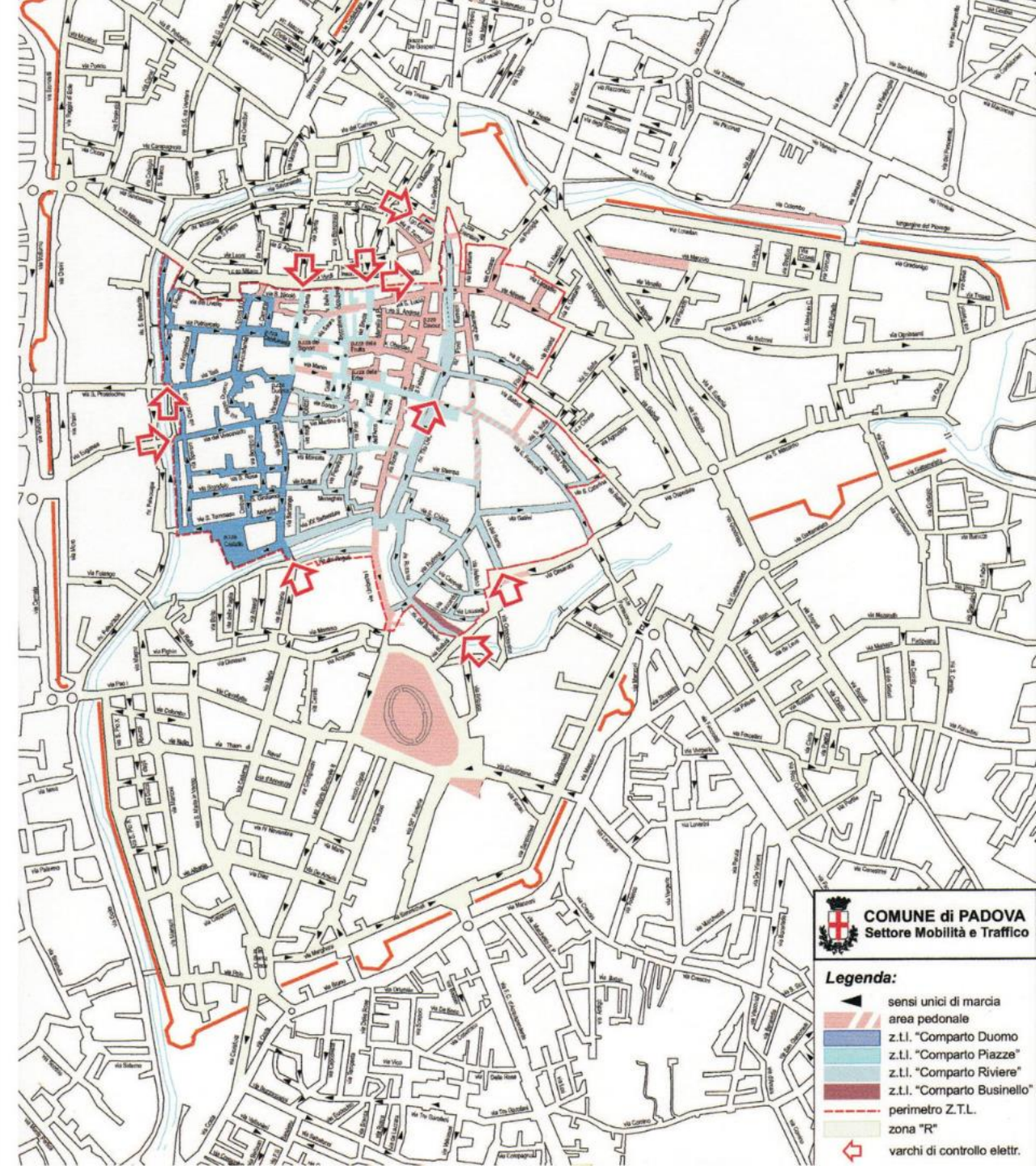
# THE ACCESS TO THE LTZ IN PADUA

In the historic center there are seven gates for the control of the restricted traffic area and six for the control of the reserved lanes.

The access to the restricted traffic area, controlled by the electronic gates, is possible only for authorized vehicles and in possession of the relevant badge. The owner of the unauthorized vehicle is subject to a penalty of 80 euros.

An electronic gate is installed in VIA VIGONOVESE, a street that connects the Industrial zone to the center of Padua, which monitors the transit of trucks with a fully loaded mass exceeding 3.5 T. It runs 24 hours a day.

Inner area in green define the LTZ and the red arrows indicate the current implementation of electronic gates of access.





# ACCESS REGULATION TO THE LTZ

Ordinance n. 46/179 of 13/07/2018:

1

Extension of the activation periods of the electronic gates to the new time 8.00 - 23.30, on weekdays and holidays.

2

The time slots for loading / unloading of goods, for light duty vehicles (under 3.5 T.) are modified with the following new periods:

- From 4.00 to 11.00 AM, on weekdays and holidays;
- From 15.00 to 16.00, on weekdays and holidays;

Electric vehicles or vehicles powered by methane or LPG are allowed to circulate H24.

3

To access the LTZ (inside the ancient walls) means of transport weighing more than 3.5 T must request an authorization.





# ACCESS REGULATION TO THE PEDESTRIAN ZONE

**Ordinance n. 176 of 16/03/2011:**

It regulates the access of vehicles in pedestrian areas, reaffirming that «It has been planned and developed a specific public-driven and subsidised service of citylogistics for the distribution of goods in the LTZ of Padua called Cityporto" and to this end the ordinance further restricts the traffic of vehicles for the transport of goods by allowing pedestrian access to the light duty vehicles only for loading and unloading of bulky goods and / or weight that does not allow the handling by transpallet, from 04.00 to 09.30 and from 15.00 to 16.00 for the time strictly necessary, and only if the special daily permit issued by the LTZ office with a surcharge with a maximum of nr. 3 marks per week per recipient.

# CITYPORTO INCENTIVES

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Free access to LTZ and pedestrian zone.



Use of bus reserved lanes.



Parking for loading - unloading also in the pedestrian zone, provided that the van does not impede the walking and the transit of cycles.



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# TRACKING & TRACING

IT fitting out of the vans

**1** On-board equipment for vehicle control and localization with GPRS/UMTS/WIFI connectivity and with GPS receiver.

**2** PDAs with Bluetooth/WIFI connectivity, barcode reader and software for archiving the handwritten signature in jpeg format on the touch screen.





## SOME OF THE OPERATORS SHARING CITYPORTO PADOVA

**Bedin autotrasporti**

**A.FINESSO**

Trasporti nazionali - Depositi e Spedizioni

**ARCO**  
SPEDIZIONI

**FERCAM**

Logistics & Transport



**PANORAMA**

**SUSA**  
TRASPORTI  
SPEDIZIONI

**GEFCO**  
LOGISTICS FOR MANUFACTURERS

**ITALSEMPIONE**

**Tardini**  
LOGISTICA - SPEDIZIONI

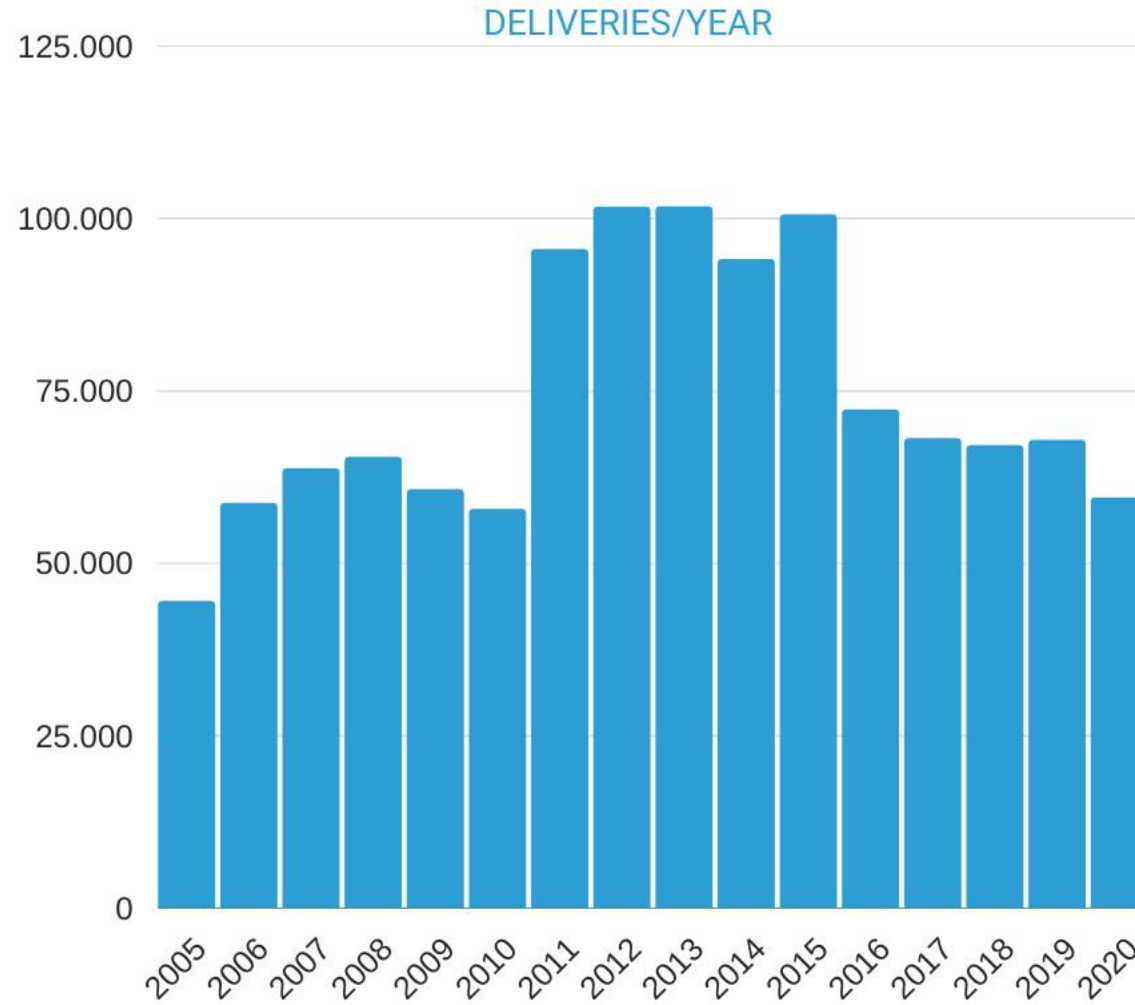
**NUMBER 1**  
Supply Chain Innovation

- 2 Erre Logistic SRL
- Angelo Finesso SpA
- Arcese Trasporti SpA
- Arco Spedizioni SpA
- Autotrasporti e Sped. Barone SpA
- Azienda Agr. Ca' Rugate
- Bedin Autotrasporti SpA
- Bennato Ulisse & Figli SRL
- Bertin SRL
- Bisiniella SRL
- Cab Log SRL
- Cassol SRL
- Ceccarelli SRL
- CESPED SpA
- City Express Trasport SRL
- DMI Triveneto
- F.lli Montorfano
- F.lli Padovan SRL
- Fercam SpA
- Gefco SpA

- Girmo Poletto SRL
- Gruber Logistics SpA
- JAS SpA
- Jumbo Trasporti SRL
- L.T.M
- Matrix Autotrasporti SRL
- PAM Panorama S.pA
- Pro. Bo Express
- Rhenus Logistics SpA
- SEB-MANDI Soc. Coop.
- S.I.T.T.A.M SRL
- SUSA SpA
- Tardini Autotrasporti SRL
- TDL SRL
- TiTo Trans
- TLV
- Torello Trasporti
- Tri. Lem SRL
- Varotto SRL
- Zanardo Servizi Logistici
- Melsped SRL
- Italsempione
- Consorzio RFX

- ITC Calvi
- Pulimarket SRL
- GBR Ortofrutta
- DG Trasporti SRL
- Number 1 Group SpA
- O bag
- ZP Trasporti SRL
- Calzaturificio Luparense
- Kosme due SAS
- Gugel SRL
- DMI Trans
- BA Trasporti SRL (One Express)
- Baggio Nord Este SRL
- DSV

# TRAFFIC DATA





# THE NEW SERVICE FOR PERISHABLE FOOD


Since April 2015 has been implemented a new service of daily delivery of perishable goods (fruits and vegetables, meat, fish, dairy, frozen) to 5 supermarkets (PAM group) located in the LTZ of Padua.




# ENVIRONMENTAL BENEFITS

As a result of a Study performed in the framework of a national project during a two-years period of activity, it is possible to measure the environmental benefits of Cityporto registered since the beginning to 2019.

- **Period of time analyzed since 2005 to 2019**
- **Number of deliveries performed: 1.120.000**



Reduction of km in the daily trips	Reduction of gazole used
↓	↓
<b>5.000.000 km</b>	<b>140.000 lt</b>



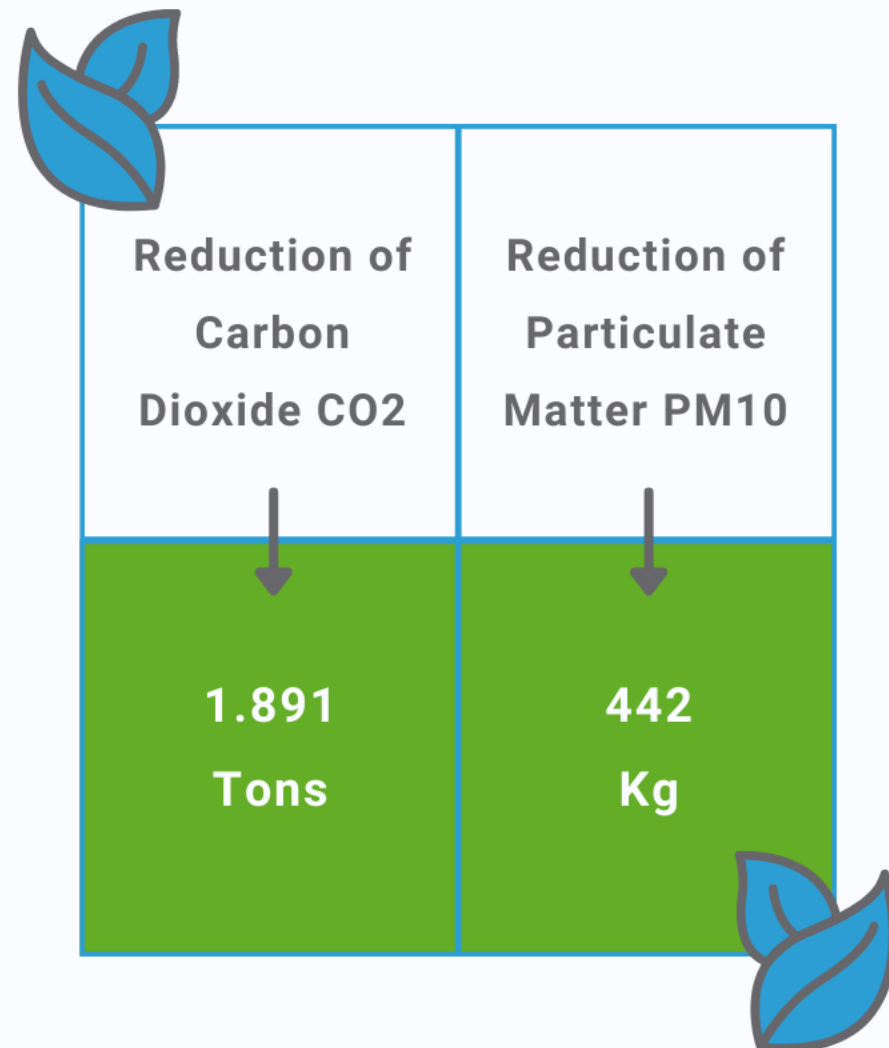


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# EMISSION REDUCTION

As a result of a Study performed in the framework of a national project during a two-years period of activity, it is possible to measure the environmental benefits of Cityporto registered since the beginning to 2019.





Cityportovans delivery the goods in the LTZ all the working days, twice a day.

First time window in the morning and later in the afternoon.

**Removing polluting diesel vans from the city streets and replacing them with eco friendly vehicles.**

## CITYPORTO SERVICE

Analysis of the deliveries performed in the LTZ of Spa area (Abano terme)



Year 2019

Table 1

Month	N. Operators	N. Total Deliveries	N. Daily Deliveries	N. Parcels Delivered	Total Weight (Kg)	Average Parcel Weight	Average Delivery Weight
May	8	373	17	2.920	33.289	11,4	89,2
June	8	262	13	2.232	21.446	9,6	81,9
July	10	345	15	2.645	30.526	11,5	88,5



# CITYPORTO SERVICE IN SPA AREA

We already had deliveries in the past but lately it is becoming a more systematic demand coming from the courier market.

→ <https://www.visitabanomontegrotto.com/> ←

- The service (operated with **ONLY ONE** vehicle) collects deliveries from 10 different operators, which means that the benefit for the delivery area is ONE vehicle (methane) against 10 vehicles (Diesel).
- The average weight per delivery which is very high (almost 90 kg per delivery). It means that these deliveries cannot be replaced with small or electric vehicles and also that it is not e-commerce, but an important service for hotels and shops in the spa area.
- For this reason, it would be important to be able to widen the time window of the ZTL to allow deliveries to be made by the van even in hours where the staff of shops receiving the goods is present (some concrete examples: Carraro-Intimissimi-Portobello shops open at 10 / 10.30, Pizzeria Europa often asks to receive from 11 to 12 or after 18; pick up at the Aste Coras shop always ask for it after 17.00).
- This exception could be granted due to the low environmental impact of the vehicle used (CNG) and due to the rationalization of freight traffic (1 vehicle against 10).
- The service delivers only on weekdays from Monday to Friday, therefore without interfering with tourist and commercial presences on holidays or days before holidays.
- **VISIBILITY** of the Municipality of Abano is possible during the visit of national and international delegations that come to see how Cityporto works and at national and international conferences and fairs in which Interporto participates





# INTERNATIONAL SUSTAINABLE LOGISTICS EXHIBITION

WHERE EFFICIENCY  
MEETS ENVIRONMENT

2<sup>nd</sup> EDITION  
TO BE PLANNED IN 2022

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INTERMODALITY



E-COMMERCE



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CITY & LOGISTICS

