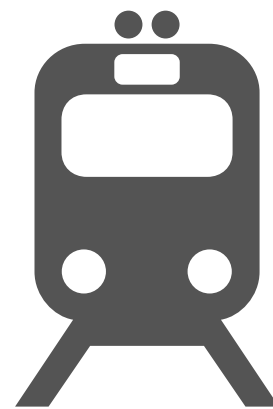




Milan
Airports

SPOT Project

Smart **P**arcel **O**n **T**rain



Milano **Malpensa**
Cargo

What is **SPOT?**

A rapid **rail transport system between Milan Malpensa airport and Milan Cadorna FNM station** of express parcels arriving and departing by air

The transport is carried out with the **Malpensa Express** train, using the existing passenger rides and primarily exploiting the less crowded time slots

Main characteristics

- **Fast, safe and reliable transfer** of express parcels from Malpensa airport to the centre of Milan leveraging the scheduled departures of Malpensa Express
- Pick-up and drop-off point at **Cadorna FNM station**, terminal node of FNM network that covers most of Lombardy through which millions of commuters pass every year
- Possible direct delivery of shipments on the urban territory with ecological vehicles

How it works

From Milano MXP

To Milano Cadorna (and viceversa)



Express packages arriving by air are transferred from the operator's airport terminal to Malpensa railway station in rolls wrapped by the operator

Upon arrival at Milano Cadorna station, the rolls are delivered directly to the pick-up and drop-off point and made available to the customer for collection or prepared for last mile delivery with eco-friendly vehicles

THE PICK-UP AND DROP-OFF POINT ALLOWS TO INTERCEPT ALL THOSE CUSTOMERS WHO USUALLY CATCH THE ARRIVING AND DEPARTING TRAINS PASSING THROUGH CADORNA FNM STATION

Points of **strenght** of the project

Fast

Use of the existing **direct rail connection** between Milan Malpensa and Milan Cadorna, free from congestion or road traffic problems

Reliable

- Use of **sealed, geolocated** and **tracked** rolls
- Use of the **existing Malpensa Express passenger trains** (every 30 minutes in both directions with a travel time of 30 minutes)

Affordable

No fixed costs of road journeys (driver, truck, fuel, etc.) that are independent of the quantity transported. With SPOT only the quantity transported is paid (fixed costs are shared with passengers)

Eco-friendly

- The transport between Malpensa airport and Milan Cadorna **does not generate harmful emissions**
- The services of the pick-up and delivery point allow to **intercept a substantial part of the flows of recipients/senders of the parcels** as they pass through the railway station, with a potential considerable reduction of the number of parcel to be delivered by road to the regional destinations connected to the Trenord network

Advantages for the operators that use the service

Defined travel times from/to Milan Cadorna (30 minutes journey)

High transport frequency (possibility to use passenger trains with a frequency of 30 minutes)

Low transport costs that are not related to the number of trips used (pricing per single roll)

Possibility to have a **branded** pick-up and delivery point inside Cadorna station

Multiple possibilities for **developing complementary services** at the pick-up and delivery point in Milan Cadorna (e.g. return of unwanted or non-compliant items)

Eco-compatibility of the service (reduction of transport using polluting vehicles thanks to the capillarity of the FNM network and possible distribution and collection of parcels using zero-impact electric vehicles or similar)

Action plan

Completed tasks

- Identification of the spaces at the airport for rolls collection and shipping
- Identification of the type of train that can be used
- Identification of the spaces to place rolls on trains
- Identification of the rides on which to carry out the service

Current activities

- Benchmark analysis
- Identification of the type of roll and the related producer
- Check of regulations/authorizations
- Development of feasibility studies and business cases
- Identification of partners interested in the project

Future activities

- Agreements with handling companies
- Agreements with operators
- Pilot test
- Development of a dedicated information system
- Study of pricing and marketing models

Partners



Milan
Airports



Milano • Malpensa
Cargo

