



POLITECNICO
DI TORINO

Honors thesis

Master of Science in Architecture Construction City

Abstract

**Suspended in the future. Potentiality and reactivation
scenarios of Santhià-Arona railway line**

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by

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March 2020

The present study suggests opening again the railway secondary line Santhià-Arona, which, at present, doesn't work since 2012, by an analysis concerning territories that the railway cross and connect, but also about its relationships with the territories that it connects.

This work enhances the good qualities and the potentiality of the line as an important service for local commuter and it could raise again the north-eastern Piedmont. In this area there're *Baraggia*, the rice-fields of Vercelli, the vineyard of Gattinara and lots of natural parks. Not less important is the role of this railway as connection (since its birth in 1906, with the possibility of connection to the *Simplon*) between Turin and *Major Lake*, important tourist areas.

At the same time, this study's aim is finding the deficiencies and the conflicts of the line by the analysis of the near users and the basin of the railway, but also by the valuation of the station's accessibility and the attractiveness of the railway's service. With the implementation of this procedure, we could find precise instructions and points in order to raise this line again. In this way it will be possible conceive new ideas dealing with new *smart stop*, by the substitution of the previous meaning of railway stations (as they were thought at the beginning of the previous century) and also by encouraging the interchange with other collective and green transport systems.

This work's target is also encouraging people to use ecologic and sustainable means of transport (the train belongs to this category). In fact, the train, compared with private means of transport, is better because it's faster, safer and it doesn't make people suffering from traffic, and it also permits travelling people to use their time in a better way working, reading or relaxing.



Santhià



ACCESSIBILITÀ PER TUTTI

Spazi adatti alla fruizione di tutti
Superamento delle barriere architettoniche

QUALITÀ DEL SERVIZIO



Fermata a richiesta
Informazioni in tempo reale
Biglietteria automatica
Trasporto bicicletta a bordo



IGIENE E BENESSERE

Toilette autopulenti con fasciatoio
Ambienti ampi e spaziosi
Ingresso con passeggini e valige
Ingresso con sedie a rotelle
Dotazione di defibrillatore
Distributore oggetti di primo soccorso

FRUIZIONE DEL TERRITORIO



Totem digitale informativo
Intergrazione servizio-territorio



ACCOGLIENZA DEL VIAGGIATORE

Sedute coperte
Sistema di videosorveglianza
Sistema di ricarica elettrica
WiFi zone
Segnalazione guasti e atti di vandalismo
Pannelli fotovoltaici
Wayfinding

ISOLA ECOLOGICA



Break point
Distributore acqua
Sistema di raccolta differenziata



STORAGE LOCKER

Raccolta oggetti smarriti
Ritiro pacchi
Deposito bagagli

INTERSCAMBIO MODALE



Fermate autolinee
Parcheggi per automobili
Ricovero biciclette
Colonnine manutenzione biciclette



VEICOLI GREEN

Bike sharing
Car sharing
Colonnine di ricarica



Arona

Linea ferroviaria Sankt-Arona. Tra memoria e contemporaneità, un nuovo futuro...

