

Gotthard Base Tunnel – a huge chance for rail

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Facts & Figures



Share capital : CHF 20 millions

Shareholders:

- 72% transport and logistic companies
- 28% rail companies

Traffic 2014 > 100 trains per day > 660.109 road consignments (+ 0.5%)

Ressources

- > 4,967wagon modules
- > 10 main-line and/or shunting locomotives
- > 9 own-managed terminals
- > IT-systems for intermodal transport



Combined transport: a system with a future

EU politics: Transports > 300 km on the rail; 30% by 2030, 50% by 2050

Combined transport on the overtaking lane

Improvement of capacity, quality and interoperability on rail freight corridors!

Alptransit: > 2016 Gotthard base tunnel > 2020 Ceneri base tunnel

Corridors for rail freight traffic should be expanded with regard to the following parameters:

- > train length 750 m
- > train weight 2000 t with 1 locomotive
- > P400 profile for 4-m semi-trailers

AlpTransit project: timeline

2016: Gotthard Base Tunnel

- Ost reduction: shorter distances, need of fewer locomotives
- Productivity increase with new traction concepts

2019: Ceneri Base Tunnel

- → Fully efficient infrastructure
- Strong reduction of subsidies

2020: 4-Metre Corridor

Profile P400 and 750m-long trains to/from Northern Italy

2024: Suppression of subsidies

A modern infrastructure instead of subsidies

Gradual reduction of the operating subsidies granted by Switzerland for intermodal transalpine transport

Which strategy?

4-metre corridor and Southern connections

New Terminal Milano Smistamento

Surface 240.000 qm

Plant Module 1: 3 gantry cranes, 5 tracks of 750m Module 2: 3 gantry cranes, 5 tracks of 750m

Status Preliminary project and request of financing presented to FOT

Terminal Piacenza

Surface	75.000 qm
Plant	3 gantry cranes
Status	Feasibility study

Terminal Brescia

Surface	50.000 qm
Plant	3 gantry cranes
Status	Feasibility study

Framework conditions: fuel price

Oil price (US\$ a barrel): strong reduction of the oil price a barrel in the period 2010 - 2015

Diesel price in Switzerland: reduction of 12% in the period 2010 – 2015

Revaluation of CHF vs. EUR: impact on costs

Heavy vehicle charges (HVC): the strength of the Swiss franc has strong repercussions also on the costs of transport through Switzerland

Calculation basis: Vehicle Euro 6, 40 tonnes, route of 300 km.

Reduced competitiveness endangers the modal shift GBT : Promotion of heavier trains in the train path pricing model

Train weight (bto)

- The train path pricing system (TPS) D, I & NL provides an incentive for heavy trains, as the path price is only slightly dependent on weight
- The sum of the TPS components CH per km is well above the path price per km in D, I & NL
- The heavier the train, the greater becomes this difference

Hupac's objective:

A simple and harmonized corridor in terms of train path pricing system NL- CH -IT that promotes productivity and enables the growth of combined transport in Alpine transit, without any operating subsidies

Better utilization of the intermodal infrastructures & Last mile: harmonised regulations on dangerous goods

Thank you for your attention.

