Polish-Swiss Innovation Day 2020
03. November, Warsaw

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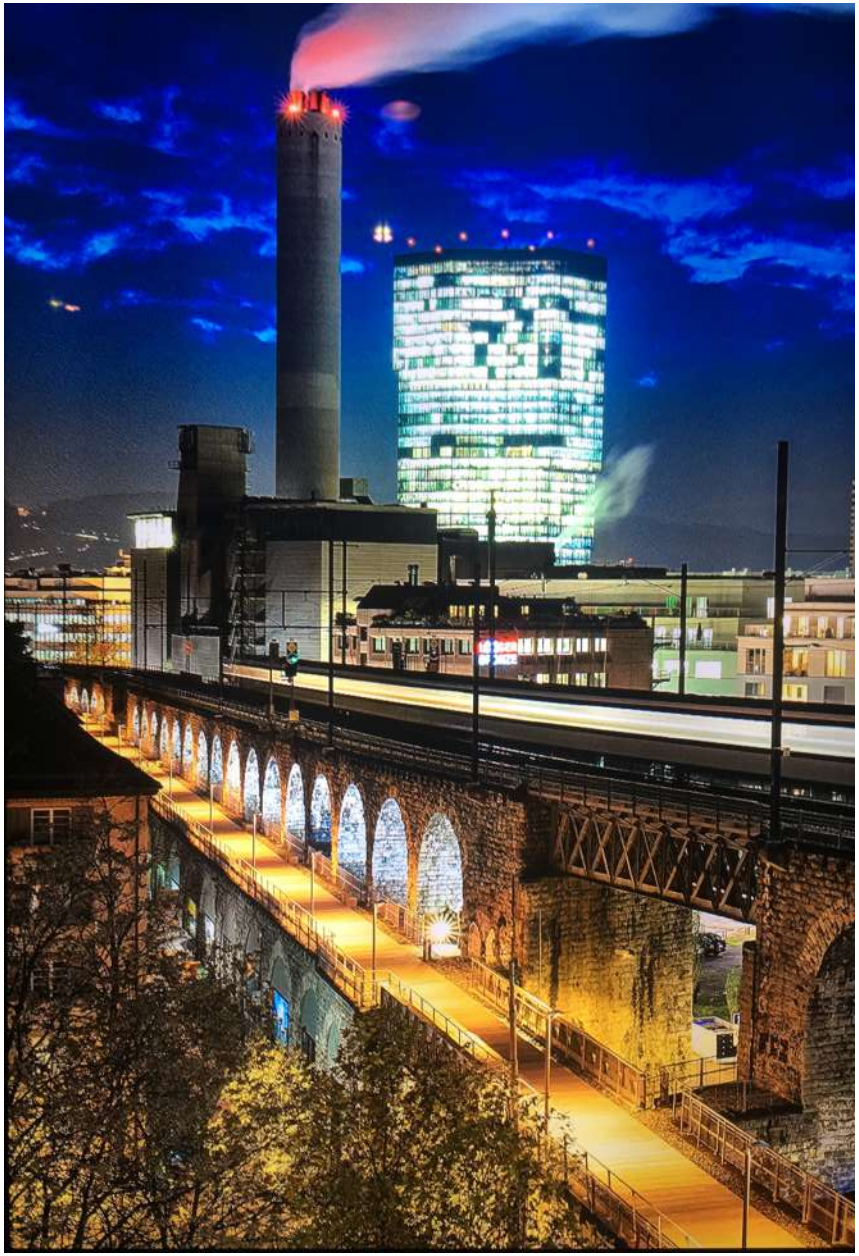
www.ibv-zuerich.ch

S-Bahn of Zurich
A success Story

IBV HÜSLER AG



City of Zurich with S-Bahn-train

Zurich and surrounding area

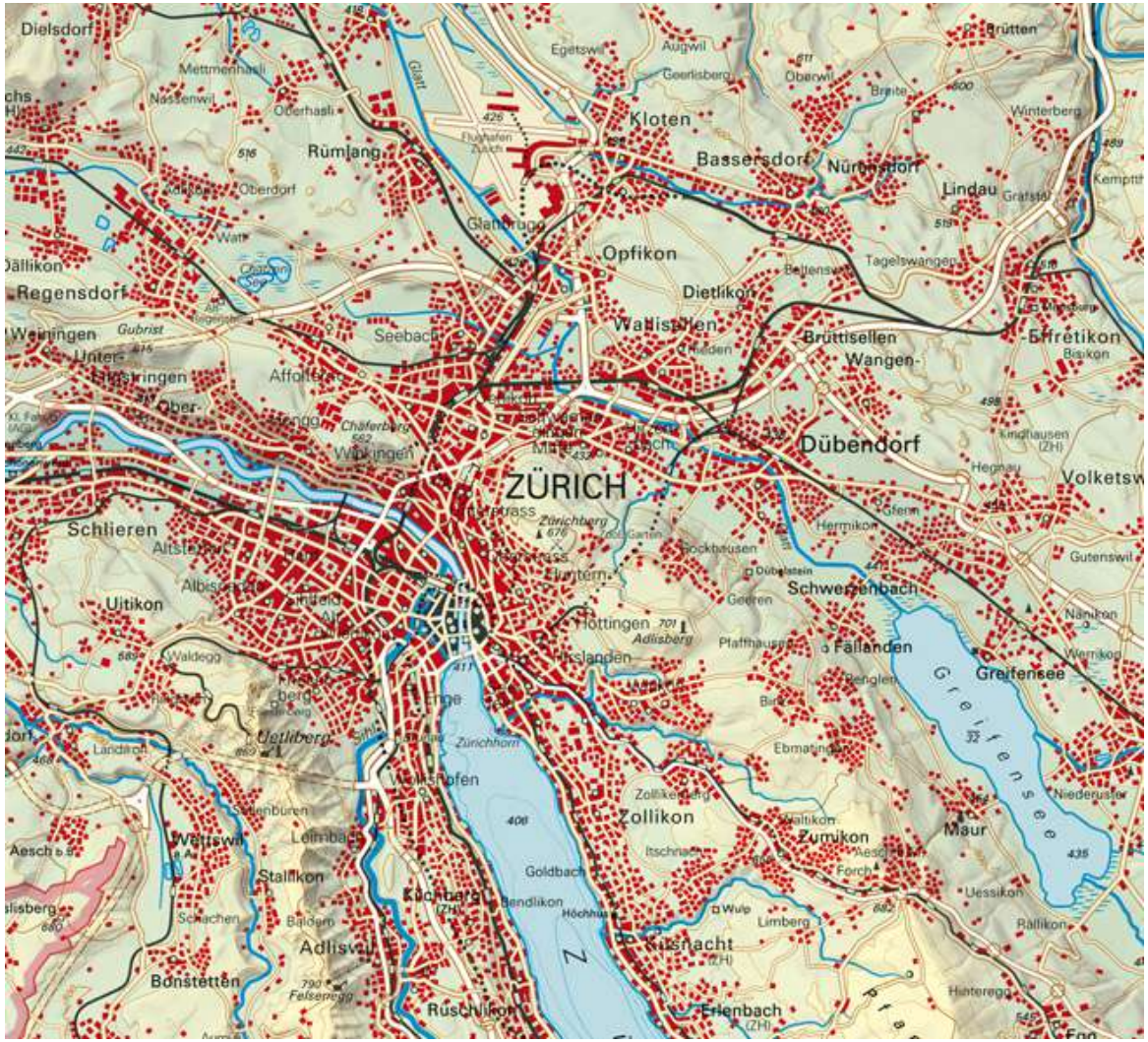
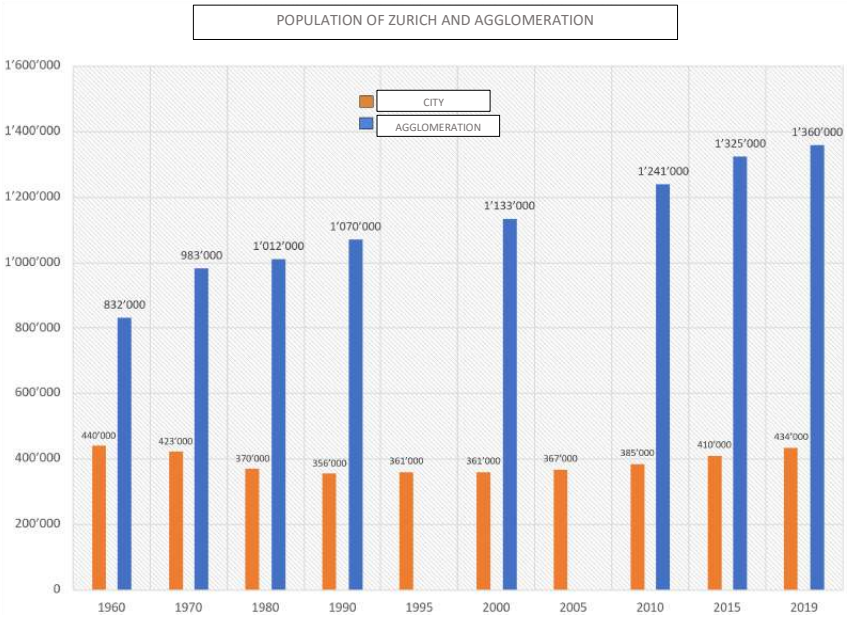
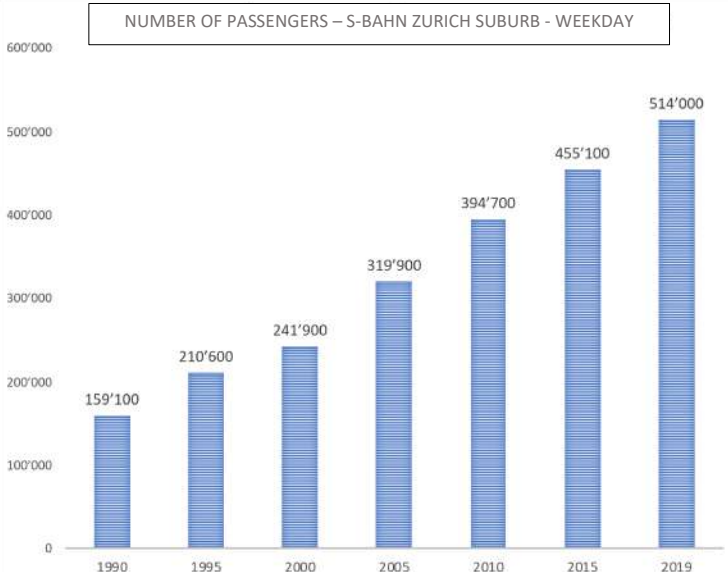


Table of population development of the city/agglomeration Zurich



S-Bahn-passengers across the border of the city



The integrated supply project:

- Infrastructure: elimination of missing link
- Network: diameter lines
- Timetable: strictly cadenced
- Rolling stock: high capacity trains
- Tram, bus, train: coordinated service
- Ticketing: integrated
- Marketing: integrated

Responsable authority:

ZVV Zürcher Verkehrsverbund
Controlled and financed by Kanton and communities (Verkehrsrat)

Carriers:

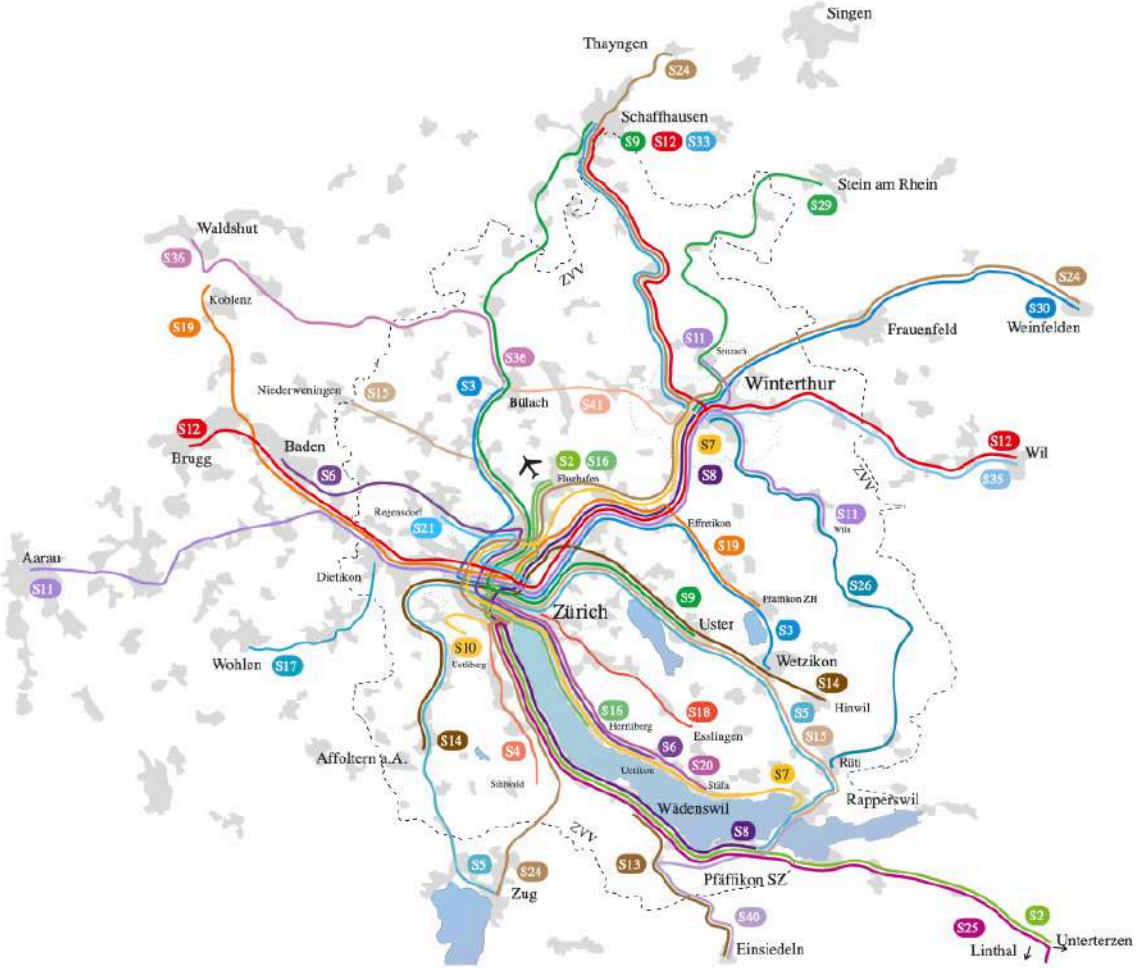
39 different public transport companies

Infrastructure
Elimination of missing link

The elimation of a missing link of 12 km significally improved the quality of the local railway-network of 320 km

Network S-Bahn

- Diameter lines
- Differencing in long range and short range lines
- Identification by line-numbers



Network S-Bahn

ZVV

S-Bahnen, Busse und Schiffe
S-Bahn trains, buses and boats

www.zvv.ch
ZVV CONTACT
0848 988 988
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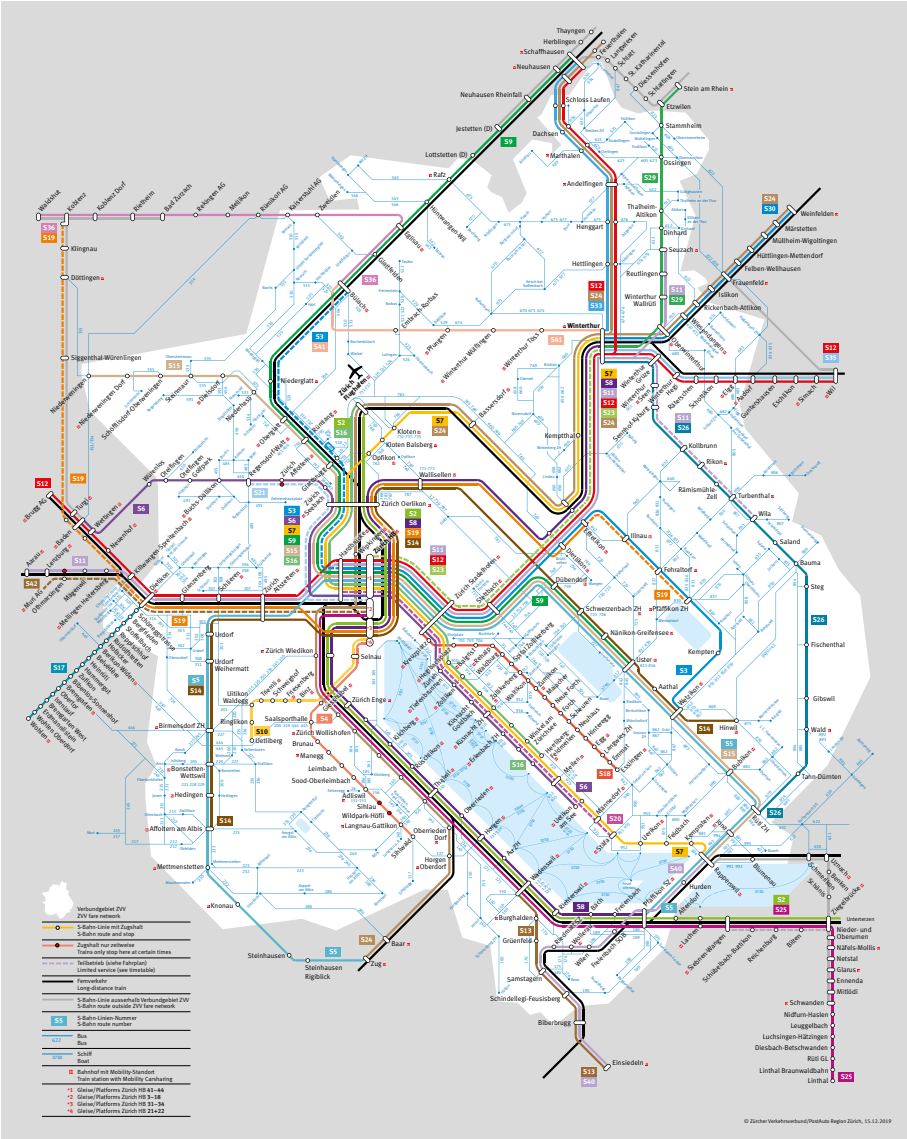

Thayngen
Herblingen
Schaffhausen
Neuhausen
Neuhausen Rheinfall
Jestetten (D)
Lottstetten (D)
Dachsen
Marthalen
Andelfingen
Stein am Rhein
Etzwilen
Stammheim
Ossingen
Thalheim-Altikon
Henggart
Hettlingen
Dinhard
Seuzach
Reutlingen
Winterthur Wallrüti
Winterthur
Weinfelden
Märstetten
Müllheim-Wigoltingen
Güttingen-Mettendorf
Kreuzlingen
Frauenfeld
Islikon
Eschenbach-Attikon
Klingnau
Döttingen
Siggenthal-Würenlingen
Niederglatt
Kloten
Kloten Balsberg
Opfikon
Wallisellen
Kemptthal
Kollbrunn
Rikon
Rämismühle-Zell
Turbenthal
Wila
Saland
Bauma
Sieg
Fischenthal
Gibswil
Wald
Tann-Dürnten
Hinwil
Bubikon
Rüti
Rüdlingen
Buchberg
Eglisau
Bülach
Kloten
Zürich Flughafen
Zürich Oerlikon
Zürich Stadelhofen
Zürich Hardbrücke
Zürich Altstetten
Zürich Enge
Zürich Wiedikon
Zürich Wollishofen
Zürich Seebach
Zürich Saalsporthalle
Zürich Leimbach
Zürich Letzigrund
Zürich Giesshübel
Zürich Friesenberg
Zürich Tiefenbrunnen
Zürich Stadelhofen
Zürich Hauptbahnhof
Zürich Mythenquai
Zürich Wipkingen
Zürich Oerlikon
Zürich Seebach
Zürich Altstetten
Zürich Hardbrücke
Zürich Enge
Zürich Wiedikon
Zürich Wollishofen

Timetable strictly cadenced

Workdays

From 5.00 a.m. to 1.00 a.m.
30 minutes-frequency
with some additional service in peak hours

Low demand: single train (100m)
High demand: double or tripple train (200 m/300 m)

Friday and saturday night

Reduced service in the night
1.00 a.m. to 5.00 a.m.
(service continues)

Rolling stock - High capacity trains

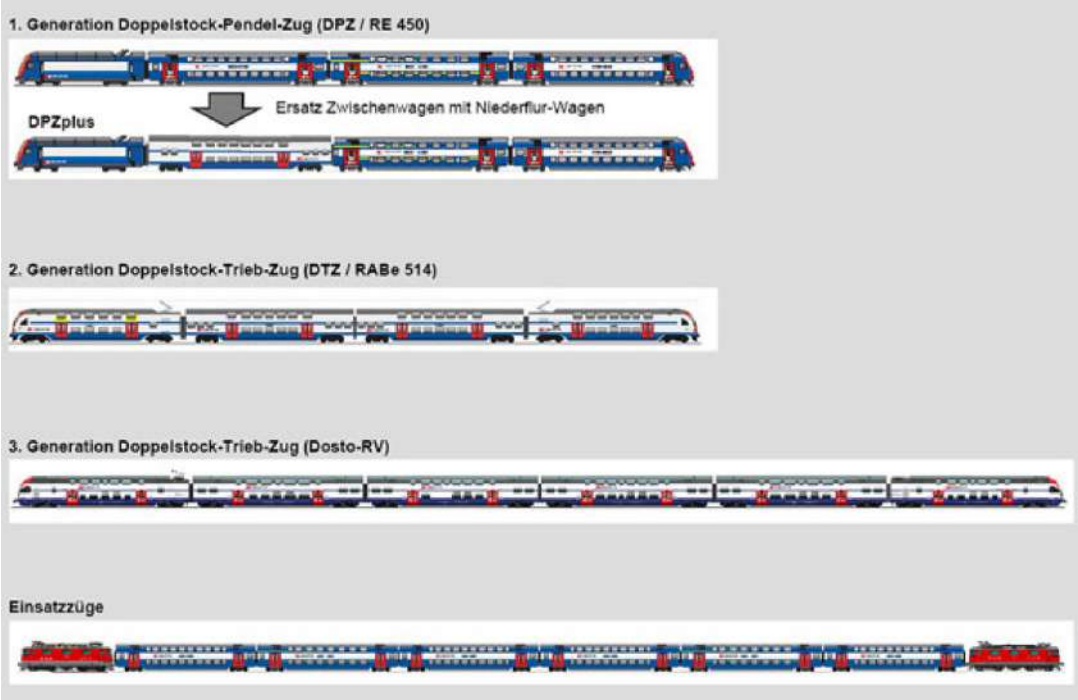
Doubledecker-trains in peak hours
Lenght: 300 m per train
Number of seats: 1’100 per train

Total lenght of all the trains together: 25 km
Total number of seats of all trains: 90’000

S-Bahn capacity in morning peak hours to Zurich city:
Ca. 60’000 person/hour

Equivalent to motorway-capacity of
30 lanes of motorway to Zurich city (there are currently 8 lanes)

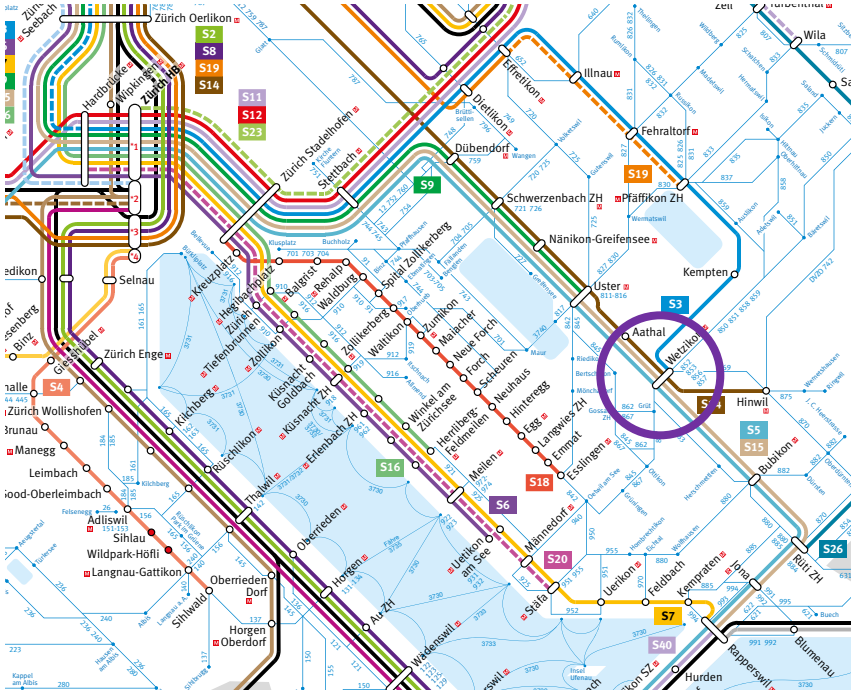
Rolling stock S-Bahn



Tram, Bus, Train: coordinated service

Example:
Wetzikon station, suburbian town, 15 min. from Zürich, 25‘000 residents

All day service in minute 00, 15, 30, 45
„rendez vous“ of 5 trains and 6 busses



Marketing integrated

EINSTEIGEN, UMSTEIGEN, ANKOMMEN.

Responsable authority for S-Bahn, Tram, Bus, Ship:

ZVV
Zürcher Verkehrsverbund
Controlled and financed by Kanton and communities (Verkehrsrat)

- Planning
- Directing
- Controlling
- Marketing

Carriers:

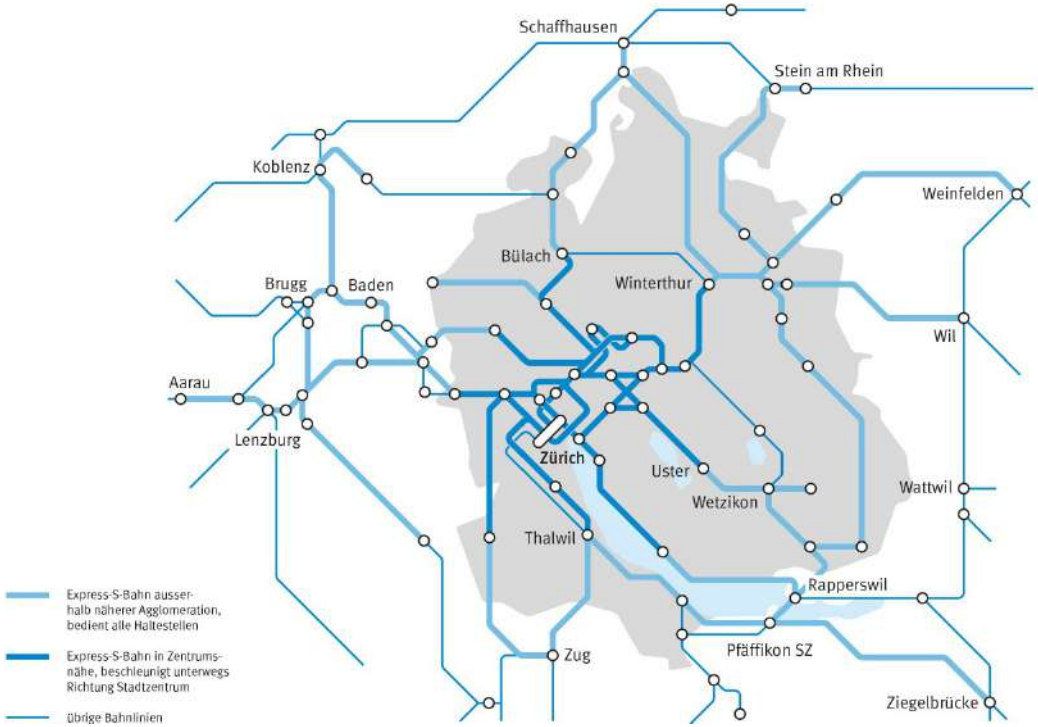
39 different pubblic transport companies

Cost Covering 2019:
- rate of self economic viability: 69%
- subsidised: 31%

Next steps

Objectiv: doubling of capacity

- Investments in important stations to increase capacity
- 15 minutes frequency as a general rule
- Consequent splitting between long ranges lines and short range lines (rolling stock and served stations in examination)



«There are no rivers without brooks»
Do not forget pedestrians, cyclists, trams und buses