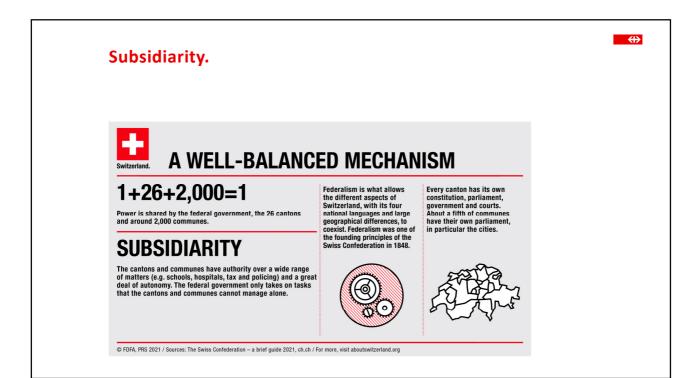
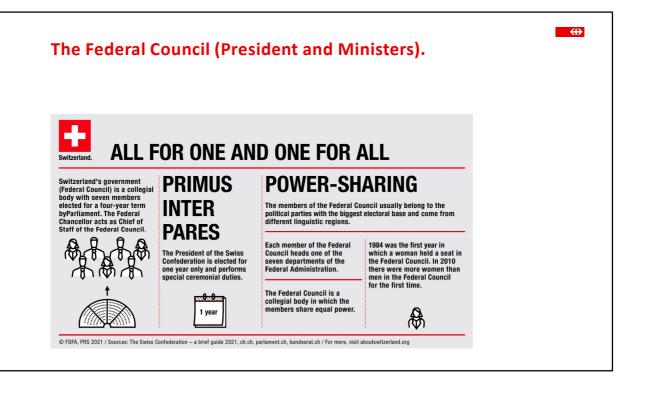
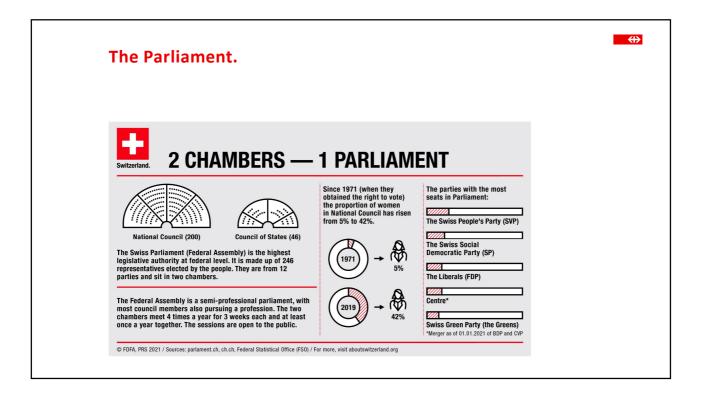
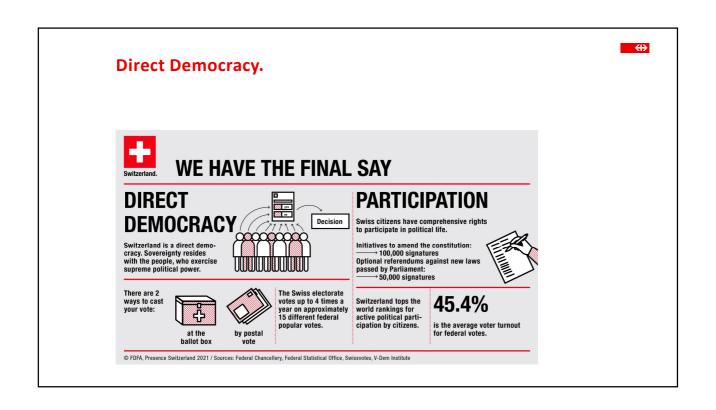


Introduction.
The Political System in Switzerland.









History.

Chronology. 13th Century Construction of the first bridge crossing the Schöllenen canyon supported by the Devil 1799 Crossing of the Gotthard pass by Russian general Suworov (24.9.-10.10.1799) 1882 Opening of the old Gotthard Railway Tunnel 1992, 1998 and 2014 Popular votes on construction and financing of the New Rail Link through the Alps (NLRA) 1999 Start main propulsion of the Gotthard Base Tunnel 2010 Main breakthrough of the Gotthard Base Tunnel

SBB - Who we are and where we come from.

As an integrated railway, we get Switzerland moving - every single day.







Passenger Services Real Estate Markets 1.10 m. passengers/day

3,500 buildings

Infrastructure

3,265km of network

SBB Cargo 185,000 tonnes of freight per day

A few interesting figures.

↔



93,1%

train punctuality for passenger services



7,000

media enquiries, 250 press releases each year



11,260

trains on the network every day



80.7 points

for customer satisfaction



804

stations and stops for passenger services



AUD 8.81bn

annual purchasing volume



413,000

Annual tickets in circulation



20,000

Infrastructure construction sites



656

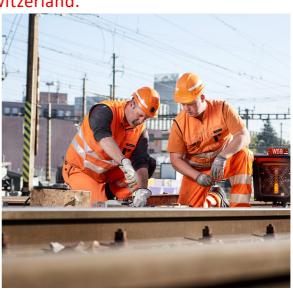
multiple units, 108 power cars, 1,982 passenger coaches, 543 mainline locomotives

1

SBB is the backbone of mobility in Switzerland.



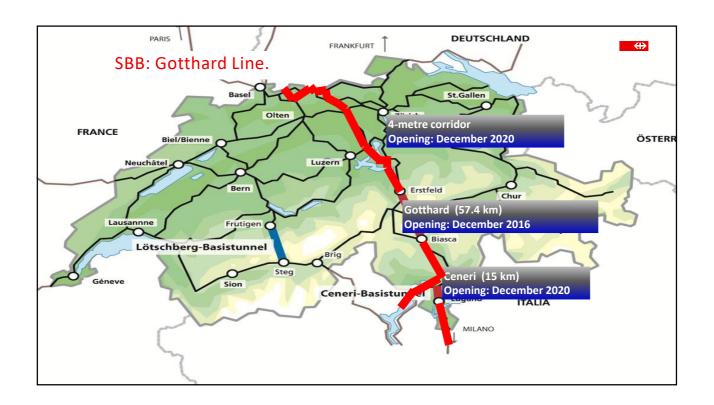


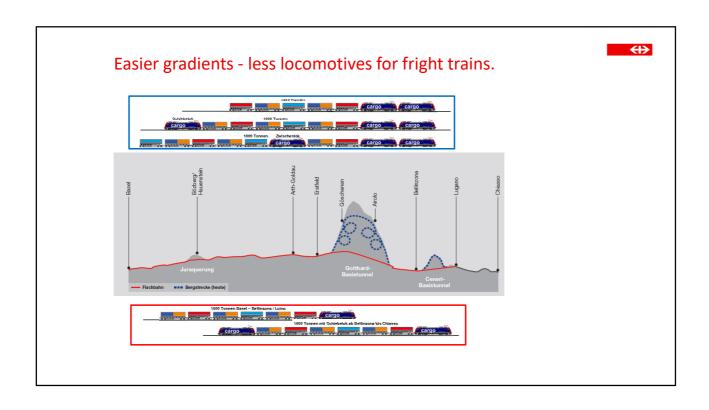


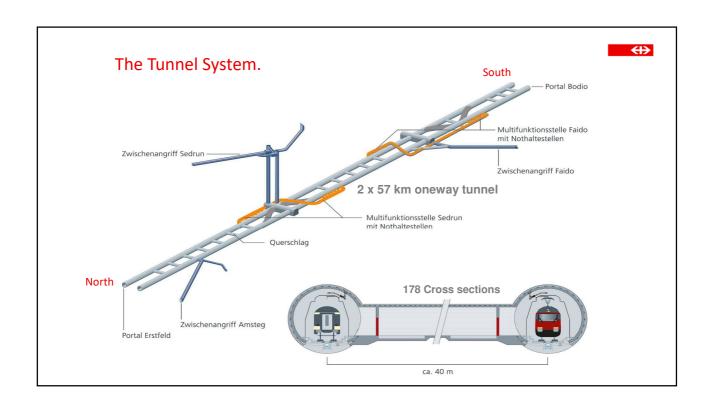
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6









Facts & figures. → Mix traffic (passenger and freight trains) → max. speed passenger trains: 230km/h → max. speed freight trains: 160km/h → max. length freight trains: 750m → 2 passenger trains/h and direction → 6 freight trains/h and direction → Trucks on train: max. height 4.2 m → max. declination: 12.5 per mill → radius: ≥ 5′000 m → Life cycle: min. 100 years → max. temperature inside the tunnel: >40°C

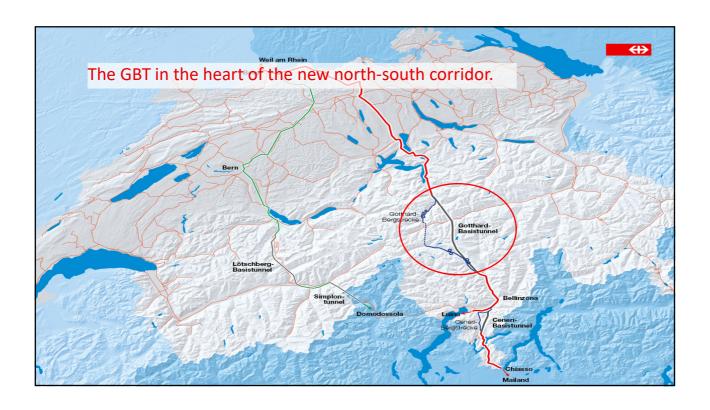


The Gotthard Base Tunnel (GBT).

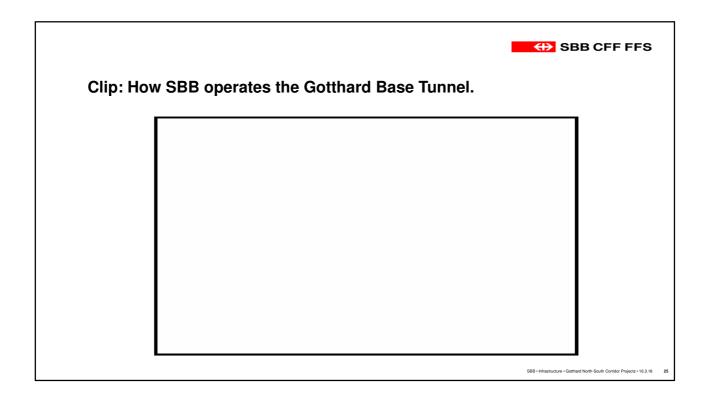




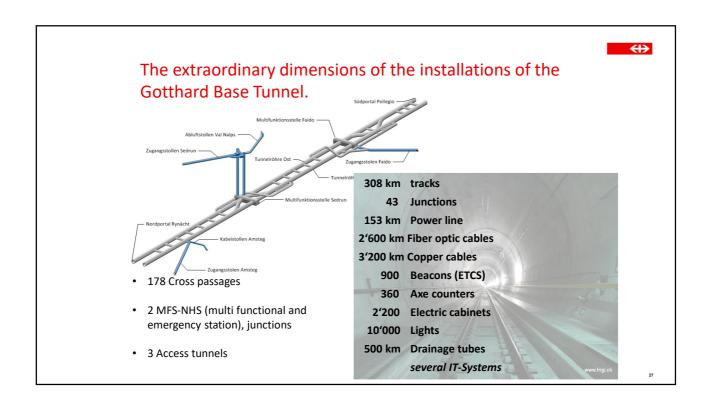
Services and concept of operations.

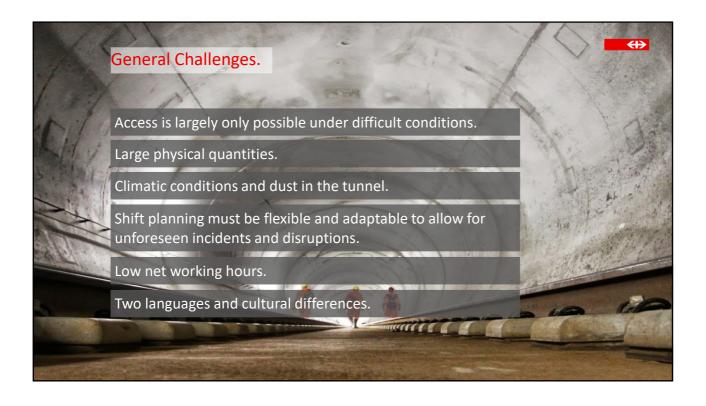


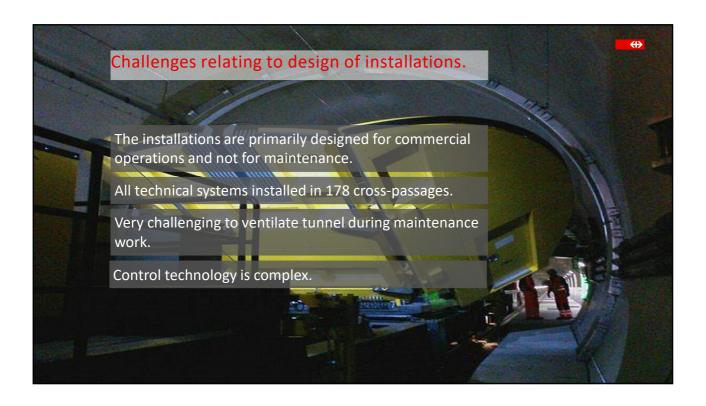


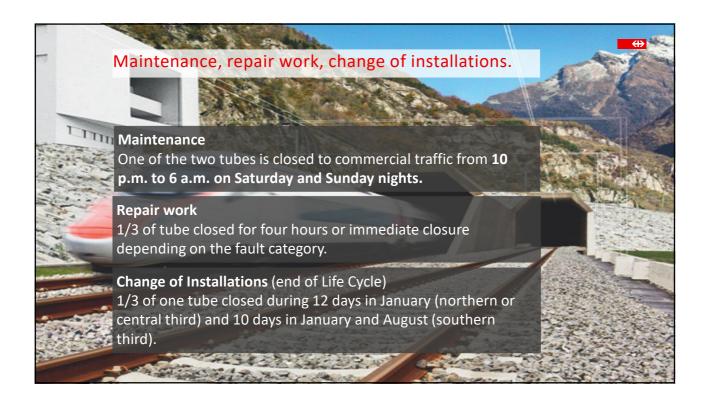














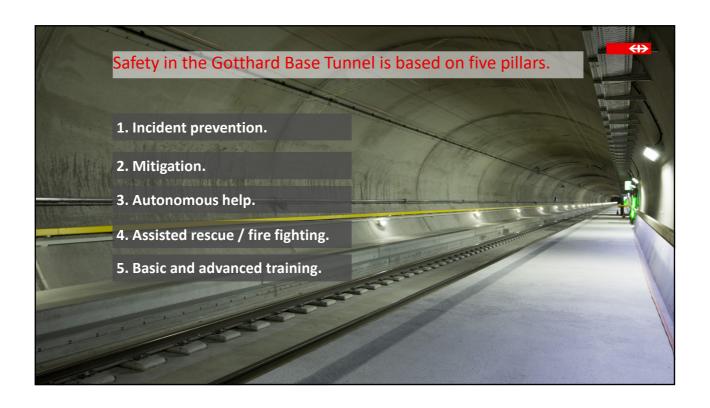




















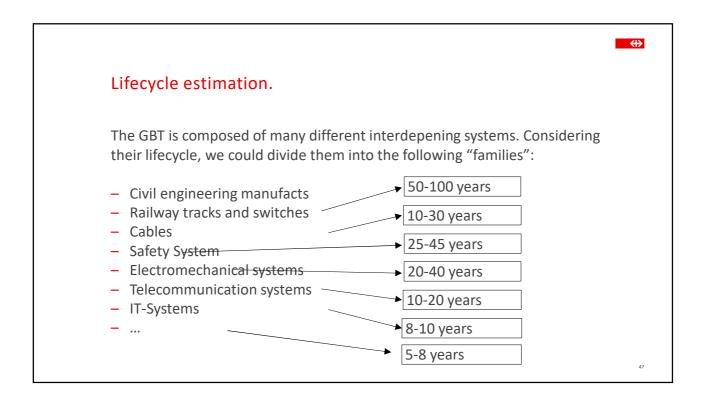


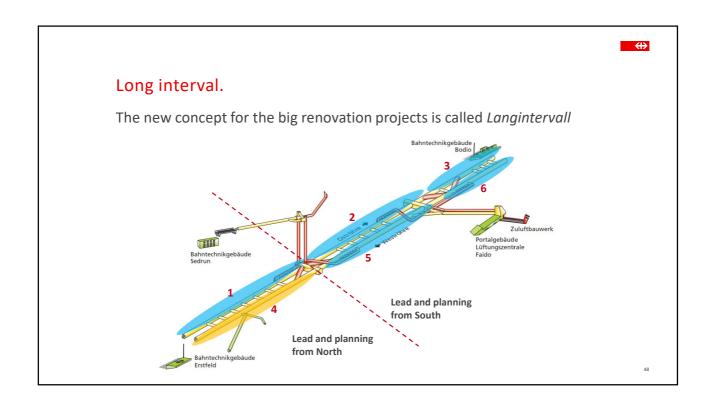


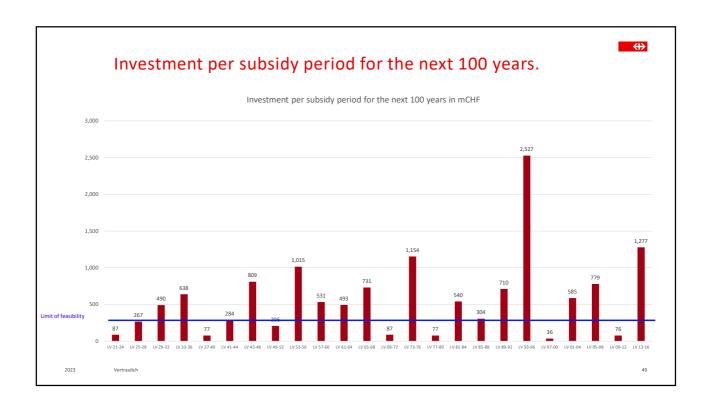


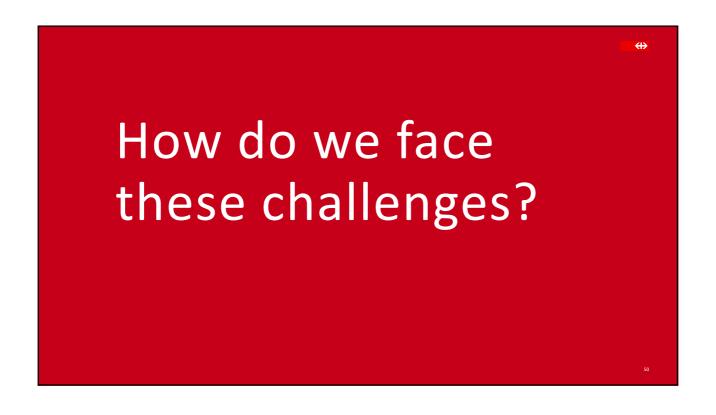
















The weakest link determines the agenda.

Crash of cargo train on 10 August 2023.

What happened?
Derailment of freight train.

Damage caused
30 carriages derailed
Track damage on 8km
Crossing gate fully damaged.
est. AUD 50-90 million of damage on infrastructure

Repair work
14 days until retaking into operation of eastern tube approx. 8 months until retaking into operation of western tube













