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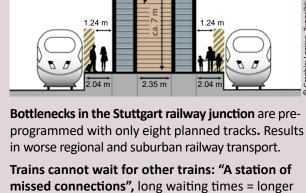
True progress is above ground! **Arguments based on reason**



• In the so-called "Schlichtung" of 2010 serious flaws and minimal engineering benefits of the planned underground train station were identified. "Stuttgart 21" had been planned for only 32 trains per hour and therefore would be over its limit from the very start. The current terminus station, however, handles 39 trains per hour

- and can even handle more than 50 trains per hour, and further expansions are possible. • "Stuttgart 21" only "works" with double seizure, resulting in shorter trains with smaller capacities and unrealistically short stopovers. Its operational quality is significantly worse than that of the current terminus station. There will be no workarounds for delays, as were required in the stress test.
- Compared to "Stuttgart 21", the "Terminus 21" concept would result in 80% shorter travel times on average according to SMA* and would not result in likely delays to S-Bahn service, as is foreseen with "Stuttgart 21". • The Stuttgart terminus was one of the most punctual of the major city stations before the work on "Stuttgart 21"
- started. Now the plans are to replace it with a squeezed too small underground suburban station which cannot be expanded.
- **Underground Station Terminus Station**

Central Station Stuttgart



had been agreed on in the coalition agreements of 2013 and 2018 (CDU/CSU and SPD) would never be realised.

travel times. The integrated train schedule which

Fire test of a passenger wagon Brunsberg Tunnel 7 minutes after ignition the wago



average travel times. Integrated train schedule in the Swiss model **possible** (connections possible from all trains to all other trains).

Safety: Fire Protection & Track Inclination



cause **serious damage**. In the case of a fire the

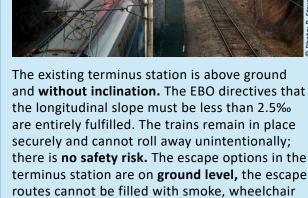
underground station would become a trap! The

emergency exits via stairs are much too long and would lead right into the layers of toxic smoke. Disabled people and wheelchair users would have to rely on assistance from others. The 60 km tunnel system would also become a mortal **trap** in the case of a heavy fire. The emergency paths to the rescue tunnels are up to 500 metres long – much too long. People fleeing from the fire would be caught and killed by the lethal smoke. The smoke extraction

plan is totally inadequate. After a heavy fire the whole

underground station would have to be closed for

repairs for several months which would mean that access to Stuttgart by train would be very limited. **Environment • Noise • Energy**



users can roll themselves out.

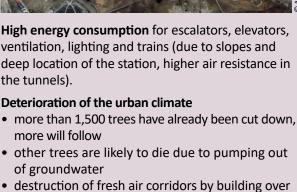
underground station there is a much lower risk of danger in the case of fire in the terminus station above ground. Fewer and shorter tunnels (Pragtunnel and Rosensteintunnel), resulting in significantly lower risk and better rescue options. Train fires are not rare events; according to the Deutsche Bahn there are about 60 fires on

For emergency services, direct access is possible

all the way up to the platform. As opposed to the

the higher the probability of a fire. A fire in the open air is usually relatively harmless - but it is a catastrophe in a tunnel!

passenger trains per year. The longer the tunnel,



The park extension is not in the city centre and is approximately 20 hectares, but about 10 hectares near the city centre are being lost. The park extension acreage includes gravel surfaces and grassy roadside verges. During construction, local residents will experience

significant impact by the removal (of approximately

2,400 lorry loads per day) on the B27 between

Degerloch and Filderstadt.

trough will reduce their maximum outflow capacity significantly, which will increase the flood risk in the inner city after a cloudburst.

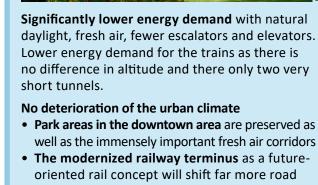
Moving the three main sewer lines under the station

Demolishing the existing tracks as a precondition

extensive decommissioning process. This would be possible no sooner than the successful launch of

the underground station. A full decommissioning

for development would be possible only after an



city centre Park areas near the inner city as well as the habitats along the tracks will be preserved. The park could be expanded with an additional 30 hectares from the rail yards that are now larger than needed.

Virtually no impact on residents or added traffic

on the streets of Stuttgart. Expansion and moderni-

zation of the terminus station can be done without disrupting current operations. The majority of the

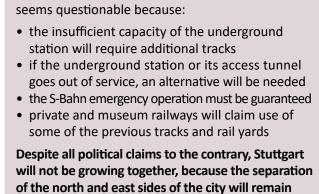
traffic to rail and relieve commuter traffic in

construction sites will be located on railway land. Building materials would be transported by rail. **Urban Planning**

Reclaiming the land under unused tracks and redevelopment of the 75 hectares made free will

75% of the area freed up under "Stuttgart 21"

only be possible in approximately 15 years.



thanks to the B14 and B27 highways – along with all

the noise and massive air pollution.

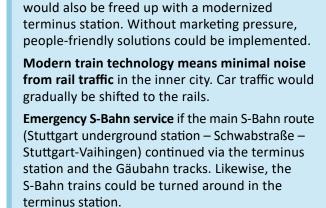
35,556 days

The economic benefit** for "Stuttgart 21" is approximately € 400 million less per year than for the "Terminus 21" according to SMA* In autumn 2010, former minister Tanja Gönner commissioned from SMA* a comparative assessment of the traffic benefits of S21 and K21, which she then did not publish before or after the "settlement discussions". The report looked at 196 stations and 400,000 travellers per day. SMA Study "Stuttgart 21 und Kopfbahnhof 21 - Vergleichende Analyse der Reisezeiten", Version 2.00, dated 26 November 2010,

55 pages; since published by the Ministry of Transport on 14 November 2011.

"Volkswirtschaftlichen Bewertung von S21" / "national-economic valuation of S21".

• Travel time savings for all travellers per year:



Benchmarking for Transport Performance & Added Value Travel time savings for all travellers per year: 64,000 days "Terminus 21" according to SMA* saves 28,444 travel days per year over its useful life

compared to "Stuttgart 21"

Mineral Springs • Groundwater • Geology

The "achievable gross growth in added value" was calculated with the same methodology as in the study of the



Incalculable risks for the mineral springs will be

caused by the construction work in a problematic

geological zone. There is a risk that groundwater

risking pollution of the springs with chemically

The tunnels in the "Stuttgart 21" project pass

through anhydrite, which can swell when it comes

in contact with water. Consequence: frequent and

expensive repairs as in the Engelbergtunnel near

management will not function properly,

contaminated groundwater.

Leonberg (A81).

Approximately 10 minutes walk from the airport railway station to the terminals. Passengers must climb stairs from a depth of 25 metres or use lifts and then have a subsequent walk of 300 metres all with their whole luggage. This destroys any gain in travelling time! The important suburb Stuttgart-Vaihingen will

definitely be cut off from regional transport.

DB AG has failed several times since 2002 to get its

plans for a route approved. The German minister

of transport finally gave a temporary exceptional

permission for the mix between local, regional and long-distance trains which will result in train delays and cancellations.

Connecting the Airport Station

Arrival at the S-Bahn the station directly under

beautiful Gäubahn route is immediately possible.

the terminals means short walking distances.

Express S-Bahn to the airport via the existing

Journey time 18 minutes The express S-Bahn

No danger posed to the second largest mineral

A modernized terminus station would not

endanger the Stuttgart mineral springs, our

outstanding urban heritage, the irreplaceable

The connection of the modernized terminus

station to the new line could be done with a

This would avoid impacting any geologically

tunnel between Obertürkheim and Denkendorf.

Repairs rarely required. Little negative impact on

long-distance traffic through Stuttgart main station

water springs in Europe.

natural treasure.

risky structures.

and on the Gäubahn tracks.

could run every 15 minutes. Stuttgart-Vaihingen would be expanded to a key interchange on the Fildern. The real result of the citizens' vote, the Gäubahn variant avoids mixing traffic on the Fildern in the future, ensuring the stability of the S-Bahn between Rohr and Filderstadt.

Until the modernized terminus station is completely realised, each step in the construction process, for example, modern signalling, would bring immediately noticeable improvements in

Costs & Economic Feasibility The existing terminal station can be expanded with a minimal cost of less than € 3 million to expand from 50 trains per hour to 56. A sustainable centre for business needs reserve rail capacity for projected growth - this is offered by the existing terminus station.

The modernized terminus station would cost

less than half the originally projected costs of

The **terminus station** would function even without

the new line to Ulm.

"Stuttgart 21".

railway operations.

Construction Time Originally "Stuttgart 21" should have been completed after a construction time of 10 years - that would have been in 2019. In 2013 the Deutsche Bahn postponed the completion to 2021. In December 2017 the Deutsche Bahn admitted a further delay until 2025. And further postponements are most likely.

of € 8.2 billion. Experts expect the tunnels to have substantial additional cost increases. The cost cap for "Stuttgart 21" has always been pure illusion. The public and policy makers were both misled about the true cost. Growth needs good infrastructure. The underachieving "Stuttgart 21" rail hub will slow down the growth of the Stuttgart region. There is a lack of money for much more effective projects thanks to the "Stuttgart 21" project.

Initial cost estimates were originally € 2.5 billion.

In January 2018 the Deutsche Bahn AG stated costs

"Stuttgart 21" only works together with the new Wendlingen-Ulm route. The cost risk increases substantially.

Station Performance • "Stuttgart 21" was still being promoted in 2013 The existing terminus station can handle 50 trains

- 32 trains were specified in the approved plans. • The 2009 financing agreements for "Stuttgart 21" said that there would be a 50% increase in performance. The state parliaments gave their consent to these falsified figures.
- Deutsche Bahn ran its stress test with just 49 trains in peak traffic hours. • WikiReal showed that this simulation was an illusion
- and only 32 to 38 trains could really pass through the station, which would actually mean a
- boasting a 100% increase in performance this in peak hours (Vieregg-Rössler Study, Nov. 2011). would be about 100 trains an hour, although only The regional public transportation authority, Nahverkehrsgesellschaft Baden-Württemberg
 - increase the terminus' capacity to 56 trains per hour. The existing terminus station would thus handle at least 32% more trains than "Stuttgart 21"
 - when completed.

(NVBW), confirmed these results in a report.

• A minimal expenditure of less than € 3 million would

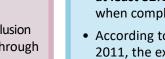
- According to "Stiftung Warentest" in February 2011, the existing terminus station was named the most punctual major station in Germany.

Summary

Therefore: true progress is above ground!

- reduction in performance!
- An incredible waste of taxpayers' money for a politically driven property development project despite conflicting facts! "Stuttgart 21" brings no progress in transport to the city while taking major risks and bringing new disadvantages.

needlessly destroyed.



The more modern, more user-friendly, more economical and more ecological project is the modernized terminus station.

It can already do more than the underground station could ever achieve. Therefore the

The powerful, fully functional station is being station for Stuttgart.

terminus station is and will remain the better