

Measures for Road should be compatible with Combined Transport



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Director General

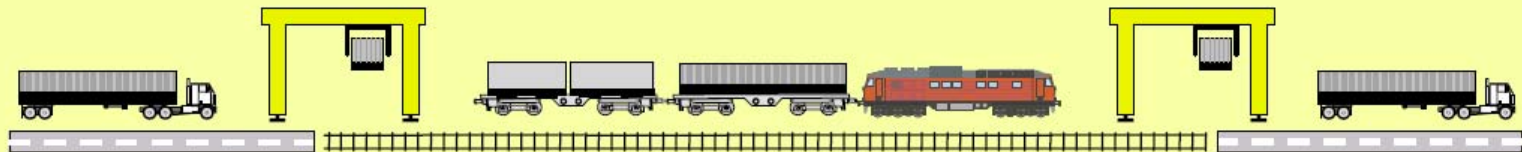
Market leader road transport

CT must be competitive in price and performance

- Time and costs of two transshipments must be compensated by savings through bundled transports in trains over long distances

Important parameters

- Good rail infrastructure, competition on rail
- Good capacity use, high number of loading units per train
- Cost savings through standardisation



Unaccompanied CT

What can Road-Rail Combined Transport offer for European long-distance transport chains ...

| | Combined Transport | HGVs with aerodynamic elements |
|-------------------------------|--------------------------|--------------------------------|
| Energy efficiency | 35% less per tkm | 1-3% less per tkm** |
| GHG/CO ₂ emissions | 75% less per tkm* | 1-3% less per tkm** |
| Number of accidents | 1 : 40 per tkm*** | |

* The potential upside nears 100%; this value in Austria – already today – stands at over 90% thanks to the high ratio of renewable energy sources

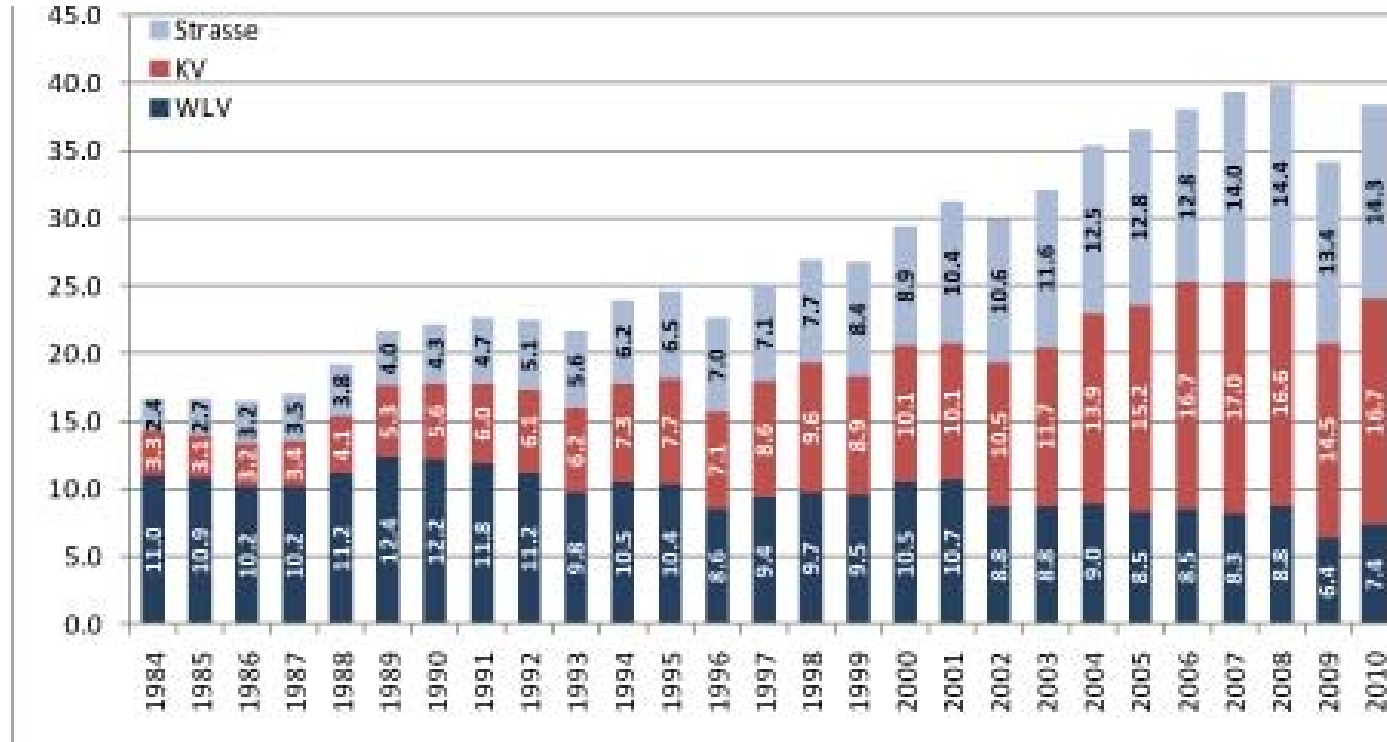
** The values of current studies on aerodynamic devices were established in tests conducted at high speeds (90km/h – only allowed in some Member States), and the comparison vehicle was not equipped with every aerodynamic device possible within the presently permitted dimensions

*** The safety of operating road vehicles equipped with aerodynamic elements is yet to be independently confirmed

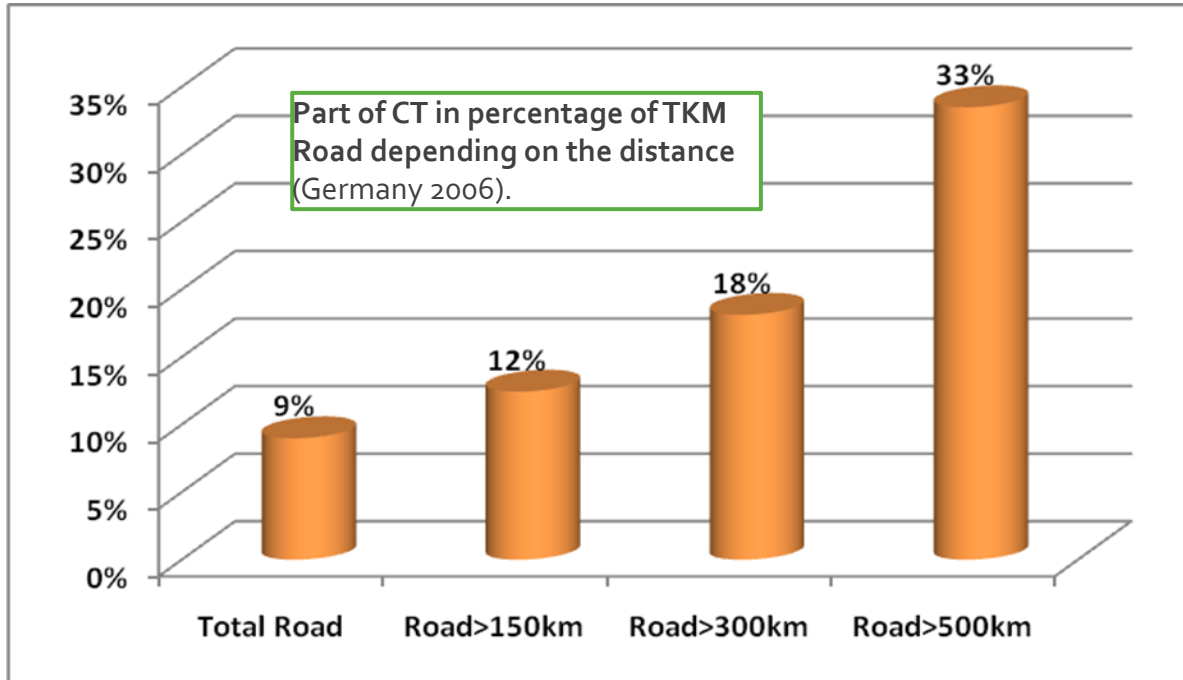
- ✓ Road-rail Combined Transport is the most efficient way to achieve significant improvements in the environmental and safety performance of long-distance transport chains in Europe.
- ✓ Aerodynamic devices should be compatible with Combined Transport

...if and where the framework conditions are favourable

Transalpine traffic through Switzerland 1984 – 2010



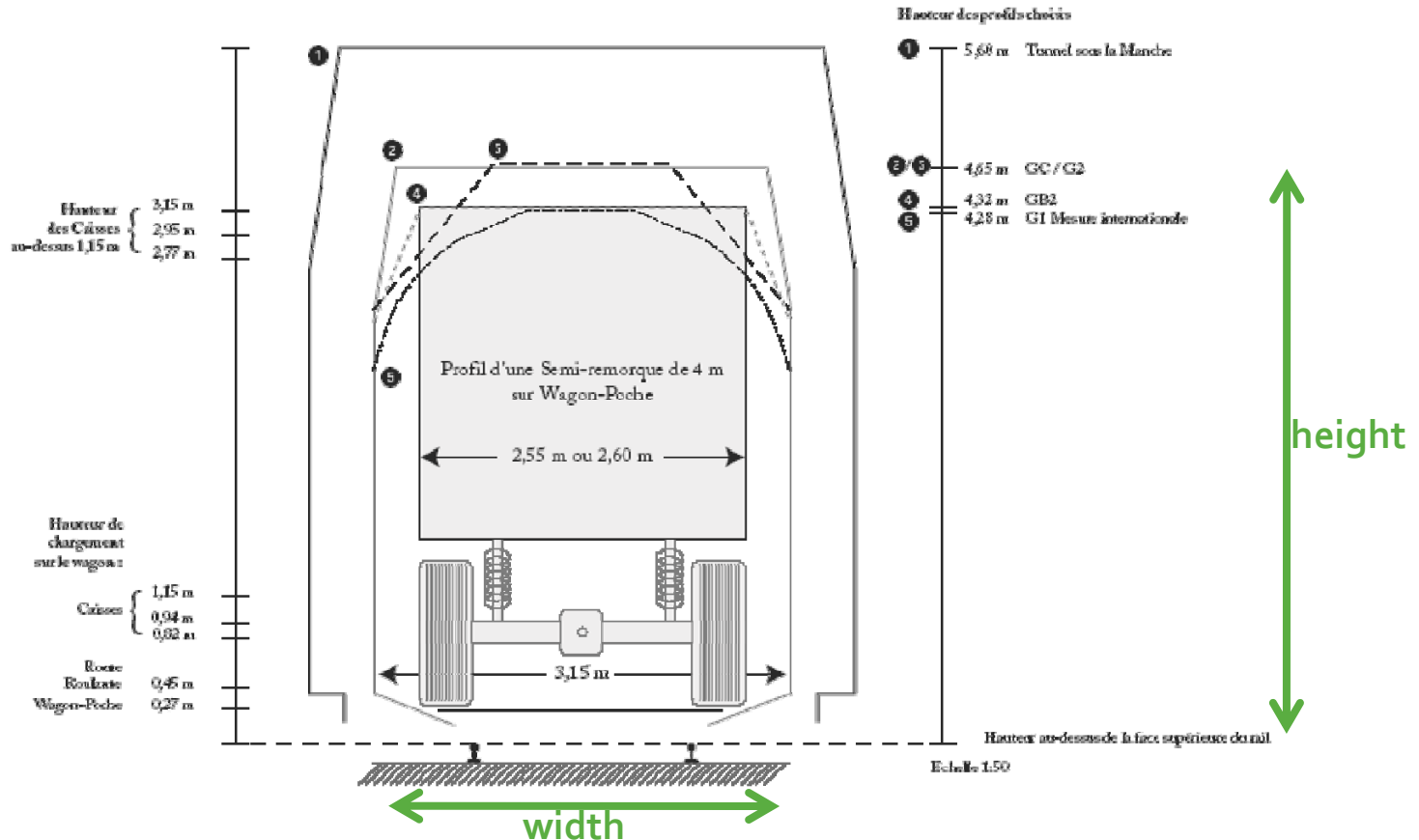
The 2011 Transport White Paper aim of shifting 50% of long(er) distance road tonne-kilometres is realistic, as the market share of rail freight through Switzerland already today exceeds 60%



This illustrates the major importance of CT for long distance freight transport and its high competitiveness on this segment.

Average distance of all UIRR traffic on rail: 800 km!

Combined Transport already requires a larger than 'average' rail loading gauge



It is costly to enlarge infrastructure (tunnels) or to operate low platform wagons; and wagon construction nearly reached its limits.



Semi-trailer loaded into a pocket wagon to minimise overall height



Minimal tolerance is left in width

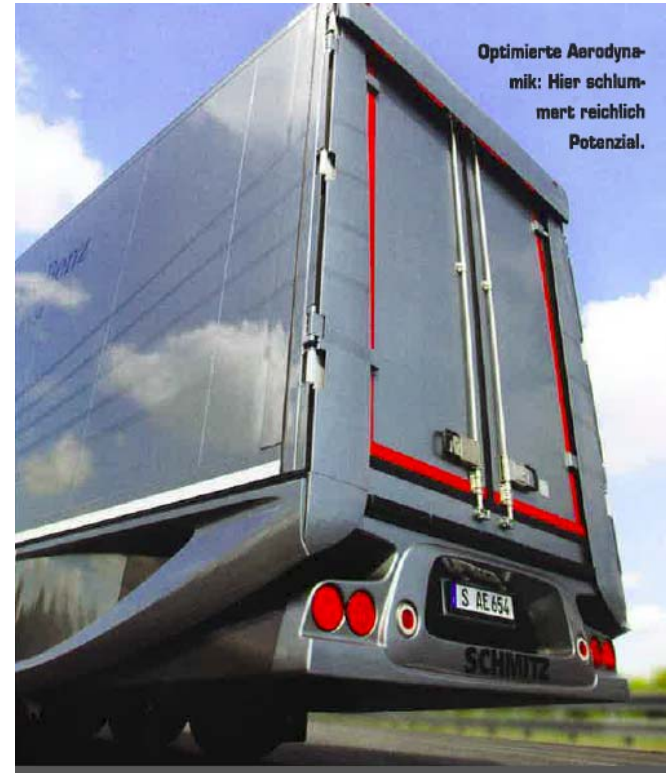




Boarding a RoMo wagon is a precision job:
every centimetre counts

Brussels March 2014

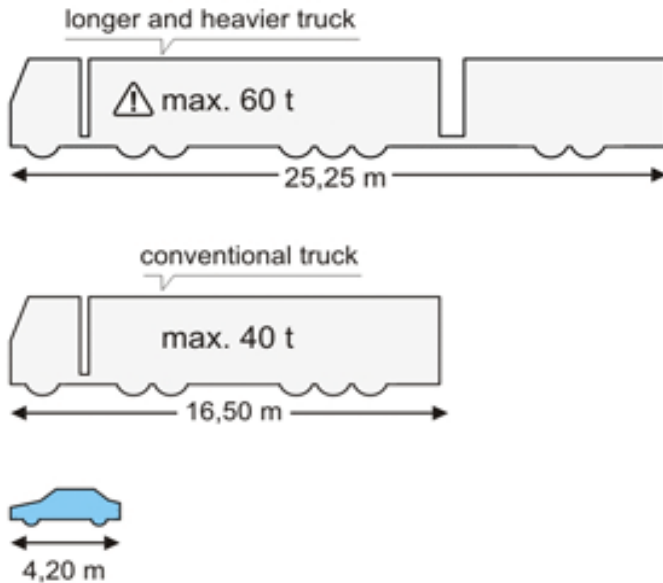




Aerodynamic elements important for higher speeds and on long distances only. In this segment the savings in CT are much higher. Allow only moderate length extensions that enable compatibility.



- ✓ Aerodynamic devices are a measure with restricted effects: CO₂ savings mainly **achievable at higher speeds** – hence relevant only in long(er) distance transport (on motorways).
- ✓ **Combined Transport can deliver much more** in emissions, as well as in energy efficiency and safety terms over the same long(er) distance relations: **25 trucks would need to be equipped with aerodynamic devices to match the effect of 1 truck shifted to rail!**
- ✓ A lot can already be done within the current dimensions.
- ✓ Moderate extensions that ensure compatibility may deliver a bit more.
- ✓ The benefit of additional lengths is marginal.



Studies have shown that the beneficial effects in energy and CO₂ savings will be counter-balanced by backshift from rail to road.

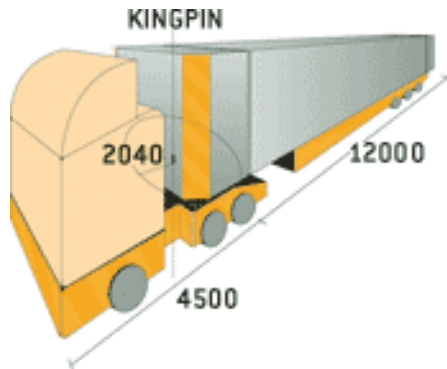
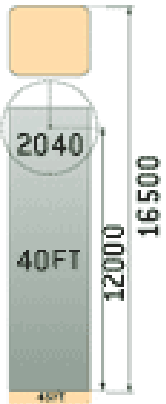
Rail is between 25 and 40 times safer than road. And on road: longer and/or heavier trucks will have a negative impact on safety.

UIRR Members even do not want Megatrucks if only allowed for Combined Transport: terminal infrastructure is not adapted and some fear it would be a first step to their general introduction.



Especially heavy loads, liquids and dangerous goods are often transported in CT as long as general weight limit remains 40 t in some European states. 44 t exemption for terminal traction should be for all intermodal loading units.

All types of 45 foot containers should be accepted



15 additional cm allow the transport of all types of 45 foot containers on road without rounded corner fittings. On rail all can be transported and may replace semi-trailers having the same load capacity but higher dead weight



Weights

More controls and harmonised fines are welcome and the co-responsibility of the shipper is important for safety on road and in Combined Transport on rail.

Dimensions

While it can happen, that a truck is loaded over its limits and it is not recognised by the driver, it cannot happen that the dimensions are accidentally exceeded.
Instead of fines: no tolerances like on rail.



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THANK YOU

For your attention

