

Energy and cost efficient transports with trucks up to 34,5 m and 76 t

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25,25 m 60 t old standard since 1997

- reference level in Finland

15 years with same rules People forget that things can change





76 t trucks since 2013

More efficient timber transportation was a key reason in the background







EMS2 trials 11/2013 ->

Suomen DuoTrailerhankkeen tutkimus- ja kehityssuunnitelma 18.1.2013



The first application And the firs permit

2013-2018 14 milj. km

36 trucks in the end

Authorities take a big risk if they don't allow challenging trials



The first high speed test 7/2013

Several major and many local transport companies took part to trials



Comparing different prototypes and driving lines in real traffic





EMS and EMS2 traffic in Finland

► Km travelled with heavy combinations 50:50 south and rest of the country

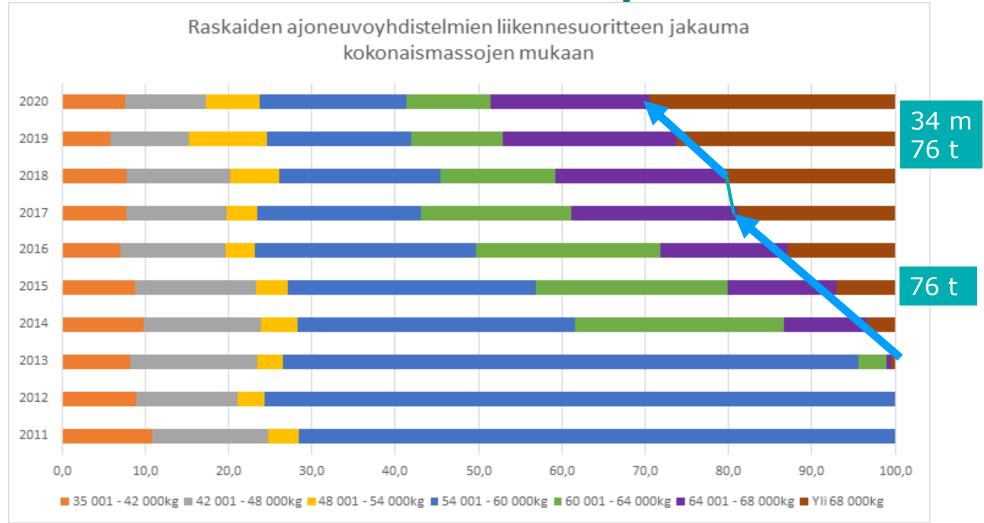
► After 2,5 years EMS2 is used almost in half of the transport over 300 km

17 o Ombinatio	% heavy Ons over 30 m	
Over 30m 3,9 % 7,2 %		
	25.4.2022	6

					Over
2021	16,5 m	22 m	25,25 m	28 m	30m
South	42,9 %	19,5 %	28,0 %	5,8 %	3,9 %
Other	25,5 %	22,6 %	37,0 %	7,7 %	7,2 %



The transport sector is rapidly adopting more efficient trucks in domestic transport





Right length for every use







Tailor made truck and full trailer combinations to local needs







76 t Finnish A-double

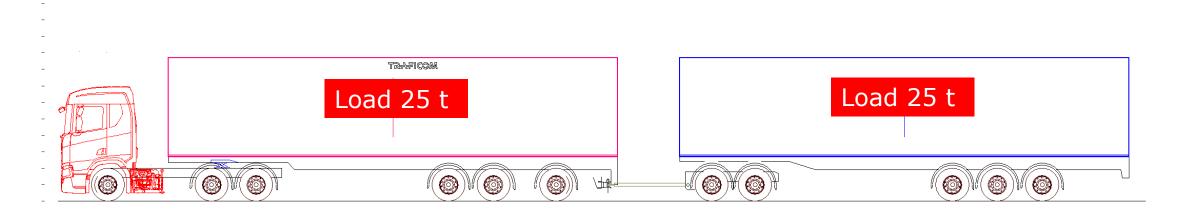
Road friendly solution for heavy loads

Compared to 2x standard semitrailers one axle more and 4 t less weight

14 % less weight /axle
The important number is road load
compared to payload



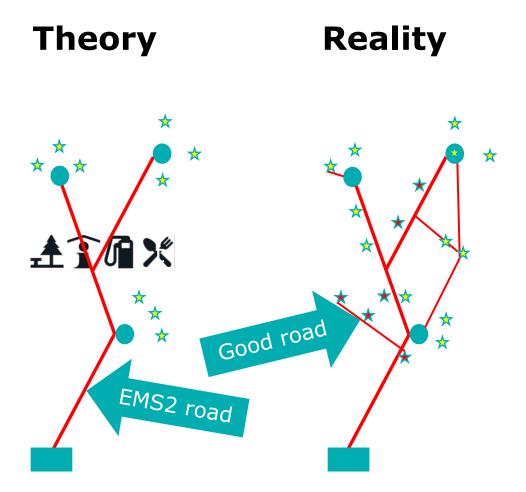
Truck 8 t + trailer 7 t Standard 40 t truck



Truck 9 t + trailer 7,5 t + dolly 2,5 t + trailer 7 t Standard Finnish 76 t A-double



Strict PBS rules for trucks and big network or Limited stiff network but simply rules for trucks?

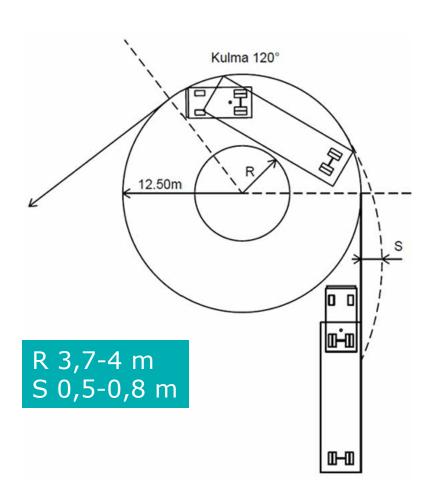


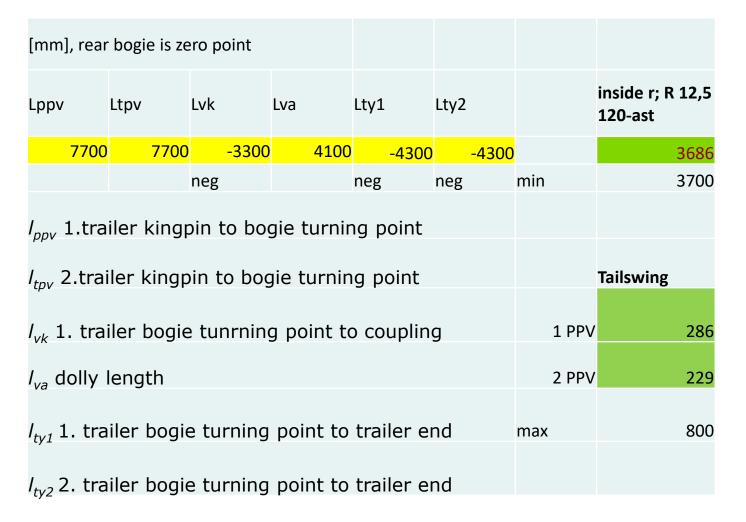
Easier then you think





The rule and how you monitor the 4 vehicle combination







Light goods, long distances, tight schedules, flexible service

CO2 reduction is still possible

- High Capacity Truck, EMS2
- Efficient loading
- Latest engine technology





Thank you for your interest and attention

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