

High mobility truck

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Mobilization of woody biomass for energy and industrial use -
Smart logistics for forest residues, prunings and dedicated
plantations

19 May 2015, Rome, Italy



Over 35 years of experience

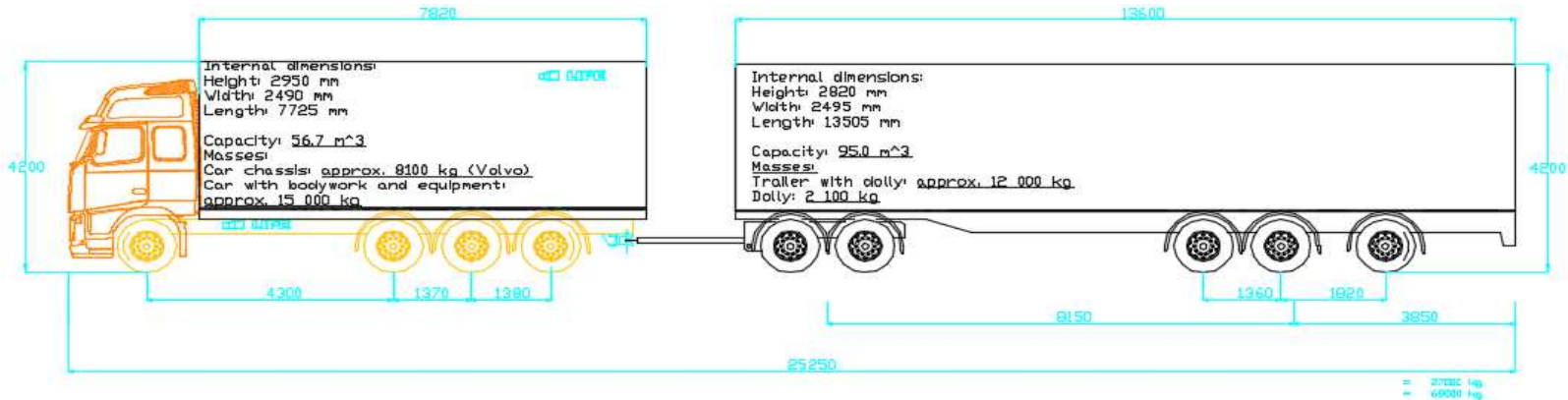
Konepaja Antti Ranta Oy manufactures trailers under brand name LIPE for the transportation of wood chips and other free flowing materials with two unloading systems:

- 1. chain**
- 2. side tipping.**



The 9 axle multipurpose chip truck LIPE

The increased size of the transportation vehicles and the load compartments



VOLVO FH12 6x4-40-TRISCH-T -4200 L340

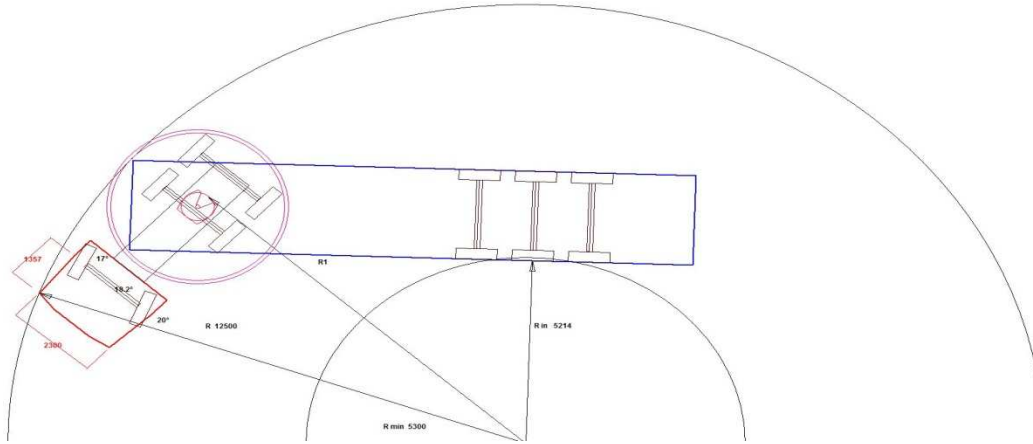
Combination total mass unladen: approx. 27 000 kg
 Combination total mass laden: 69 000 kg
 Mass ratings are based on drivers scalings and approximations

LIPE Semi-trailer with electronically steering axles

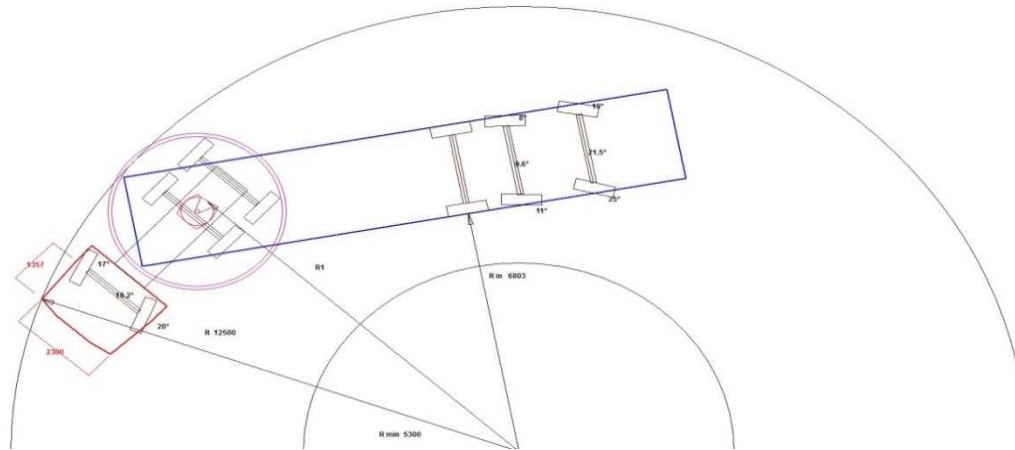
Rearmost axles of the semitrailer are equipped with the ETS system



Tighter turns, turn-a rounds and reversing

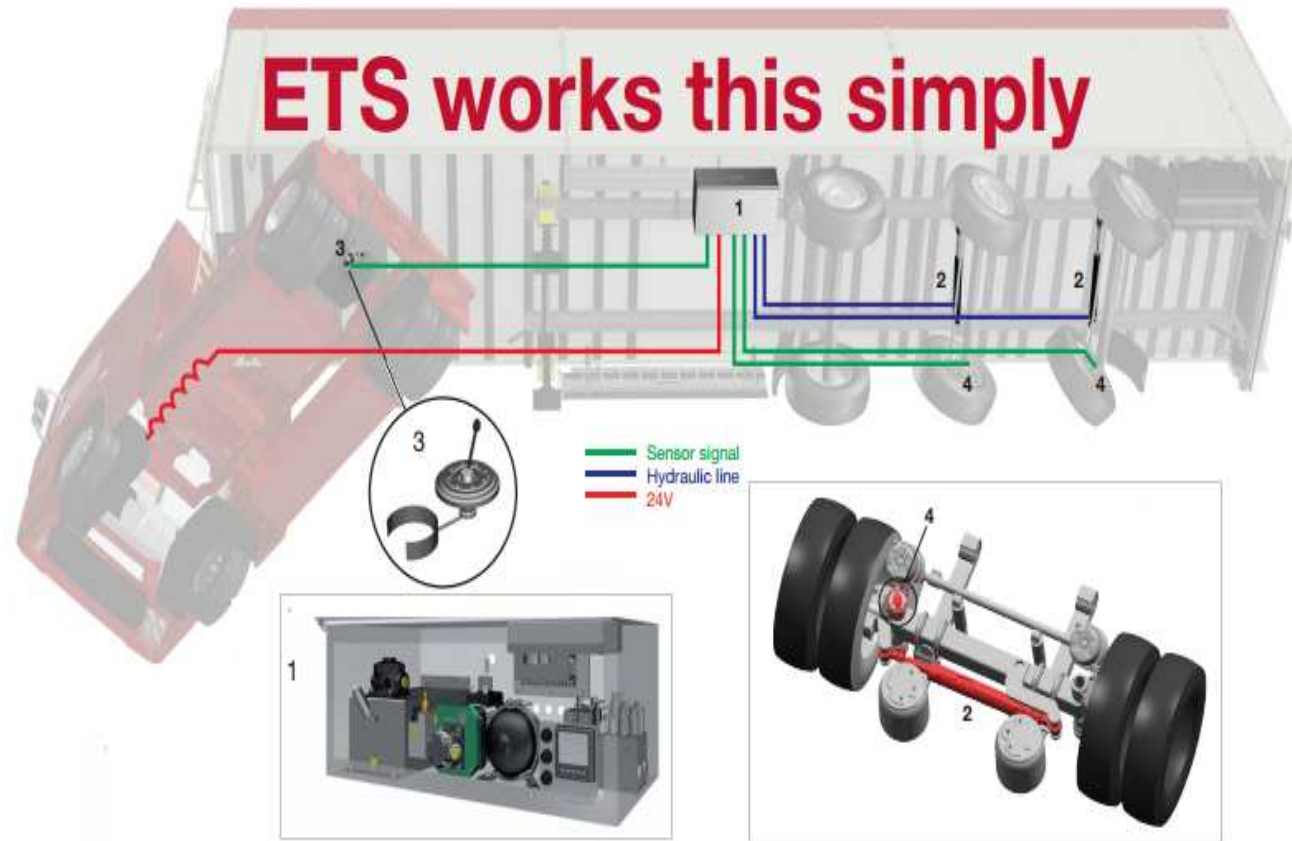


calculation from 13.6 m semi-trailer with rigid axles



calculation from 13.6 m semi-trailer with two steerable axles

Electronic Trailer Steering (ETS) system



- (1) Hydraulic installation and the Electronic Control Unit (ECU).**
- (2) ETS steering cylinders, connected to the system locker (1).**
- (3) An angle sensor on the kingpin.**
- (4) An angle sensor on each steered axle.**

Manual remote control of the ETS.



Mobile remote control enables second person to steer the rear of the trailer around a blind corner.

During the unloading



During the unloading the driver steers the rear axles of the trailer away from the chips.

Due to the rising side walls trailers can be used for the transport of other goods.



THANK YOU!



LIPE trailer, Finland

