

CargoBeamer

"Höchste Eisenbahn" for Europe

In Europe, more than **70%** of road cargo uses standard semi-trailers.

100% of road semi-trailers can be loaded onto CargoBeamer trains, without any modifications.

CargoBeamer Terminals are very efficient: Investment is **10-15 Mio. €** - only a third, when compared to container crane terminals, which will need **30 - 45 Mio. €** investments.



CargoBeamer - road to rail loading in **automated terminals** saves time and money: Just **15 minutes** are needed to unload and reload a train. Operation is fully automated, works via "mouse click" and is extremely silent and environmentally friendly. In conventional container cranes, this operation takes 3 - 5 hours with significantly increased staff size, cost and maintenance requirements.

CargoBeamer - terminals don't need huge square area: they can be installed on a **quarter of the area** required by standard container-terminals. A "compact3" CargoBeamer road/rail terminal can be installed on a 300 x 40m square area and will perform up to **200.000** loading operations per year - with minimized operational cost.

CargoBeamer rail wagons are **fully compatible** and can be unloaded and reloaded everywhere, including all container crane and reach-stacker road/rail terminals

CargoBeamer significantly reduces road maintenance cost: Each truck, when driving on the roads, puts as much damage to road as **26.000** passenger cars.

CargoBeamer will reduce road bottlenecks: Regarding Germany alone, per year, traffic jam's sum up to **475.000** congestions - with a total length exceeding **one million kilometers**.

Using CargoBeamer, road forwarding companies enjoy convincing benefits: **All semi-trailers** can use combined road/rail traffic without modifications. Increased payload: **plus 4 tons**. Up to **three times more transports** per truck driver. No stops on Sunday and Holidays. **No "Autobahn-Maut"**. Less cost - increased profits.

Each CargoBeamer train creates additional benefits for the society: External cost from road maintenance, accident and emissions are reduced by **3,6 Mio. € - per year and train**.

CargoBeamer is fully certified and in operation: Since summer **2013**, "**Mega-Trailer**" are use rail instead road into Volkswagen AG plant in Wolfsburg, Germany. Since April 2015, a **daily CargoBeamer train connects Cologne / Germany with Milano / Italy** - via Swiss alps (Gotthard).

