

CargoBeamer

"Höchste Eisenbahn" for Europe

In Europe, around **75%** of road cargo freight volume is moved via standard semi-trailers.

Now, with **CargoBeamer**, **100%** of these road semi-trailers without any modifications can be loaded onto railway wagons and thus participate in **environmentally friendly rail transport**

CargoBeamer Terminals are highly efficient and **fully automated**. Throughput capacity is enormous: Each terminal un/loads **up to 1000 semi-trailers per** day onto rail wagons



CargoBeamer - road to rail loading saves time and money: Just **15 minutes** are needed in the automated terminals to **unload and reload a train**. Operation 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 400 x 40m square area and will perform up to **250.000** loading operations per year - with minimized operational cost.

CargoBeamer rail wagons are **fully compatible** to container crane technology and therefore might be unloaded and reloaded "everywhere" in all existing combined rail/road terminals in Europe

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 have tripled compared to 2010 up to more than **700.000 congestions** - with a total length exceeding **one million km**.

Using CargoBeamer, road forwarding companies will 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. An **European terminal network** is under realization. Around 2.000 train runs Germany-Italy via Swiss alps have **shifted more than 400 Mio. ton-km to rail already**.

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