



**HUPAC**

Chiasso, 07.06.2023

# Environmental certification for Torello Trasporti srl

Hupac certifies that **Torello Trasporti srl** has used combined transport services and thus reduced the environmental footprint in the amount of:

**532 t of CO<sub>2</sub>**

<b>Period</b>	From 1 January 2022 to 31 December 2022
<b>Relations</b>	Network of Hupac Intermodal Ltd

**Fabio Contrafatto**  
Environmental Management System  
Hupac Group

## Calculation parameters

**Cargo weight** 11.5 thousand tonnes

### Combined transport

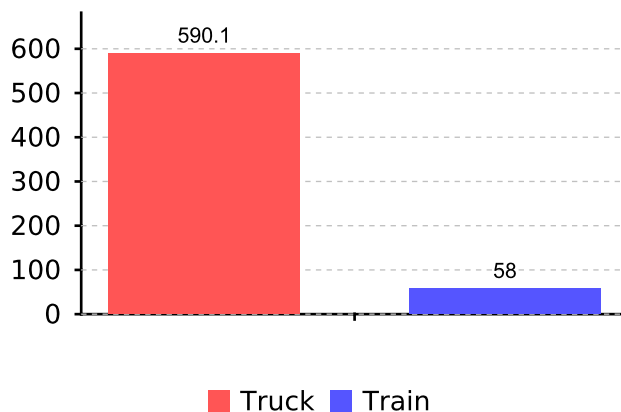
Long train (1,500 t), emission standard electrified, load factor 80%, empty trip factor 20%, transshipment

### Road transport

Vehicle type 24-40 t, emission standard EURO-V, load factor 60%, empty trip factor 20%

**Calculator** [www.ecotransit.org](http://www.ecotransit.org)

## Comparison of CO<sub>2</sub> emissions (t)

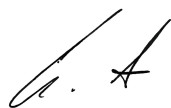


## Details

Departure	Arrival	Cargo weight (t)	Distance (km)	CO <sub>2</sub> truck (t)	CO <sub>2</sub> train (t)	CO <sub>2</sub> savings (t)
ANTWERP COMBINANT	VERONA QUADRANTE	76	1,275	6.1	0.3	5.7
ANTWERP HTA QUAI 468	BUSTO A./GALLARATE	405	1,061	27.0	1.4	25.6
ANTWERP HTA QUAI 468	NOVARA CIM	273	1,082	18.7	0.9	17.8
BUSTO A./GALLARATE	ANTWERP HTA QUAI 468	127	1,061	8.5	0.5	8.0
BUSTO A./GALLARATE	KOELN EIFELTOR UBF	259	809	15.2	2.1	13.1
BUSTO A./GALLARATE	LUDWIGSHAFEN KTL	1,196	587	51.2	5.8	45.4
BUSTO A./GALLARATE	VENLO GREENPORT	12	907	0.8	0.1	0.7
BUSTO A./GALLARATE	ZEEBRUGGE PO FERRIES	141	1,147	10.0	0.5	9.5
KOELN EIFELTOR UBF	BUSTO A./GALLARATE	128	809	7.5	1.0	6.4
KOELN EIFELTOR UBF	NOVARA CIM	629	859	38.2	4.9	33.2
LUDWIGSHAFEN KTL	ANTWERP COMBINANT	33	502	1.0	0.2	0.9

**Fabio Contrafatto**  
Environmental Management System  
Hupac Group

Departure	Arrival	Cargo weight (t)	Distance (km)	CO <sub>2</sub> truck (t)	CO <sub>2</sub> train (t)	CO <sub>2</sub> savings (t)
LUDWIGSHAFEN KTL	BUSTO A./GALLARATE	202	587	8.6	1.0	7.7
LUDWIGSHAFEN KTL	NOVARA CIM	2,538	637	113.8	11.6	102.2
NOVARA CIM	ANTWERP HTA QUAI 468	627	1,082	43.1	2.1	41.0
NOVARA CIM	KOELN EIFELTOR UBF	1,124	859	68.2	8.8	59.3
NOVARA CIM	LUDWIGSHAFEN KTL	3,440	637	154.2	15.7	138.5
VENLO GREENPORT	BUSTO A./GALLARATE	21	907	1.4	0.2	1.2
VERONA QUADRANTE	ANTWERP COMBINANT	22	1,275	1.8	0.1	1.7
ZEEBRUGGE PO FERRIES	BUSTO A./GALLARATE	212	1,147	15.1	0.8	14.3



**Fabio Contrafatto**  
Environmental Management System  
Hupac Group