



# Environmental certification for **Paratori S.P.A.**

Hupac certifies that **Paratori S.P.A.** has used combined transport services and thus reduced the environmental footprint in the amount of:

## 8,132 t of CO<sub>2</sub>

**Period** From 1 January 2022 to 31 December 2022

**Relations** Network of Hupac Intermodal Ltd

### Calculation parameters

**Cargo weight** 141.4 thousand tonnes

**Combined transport**

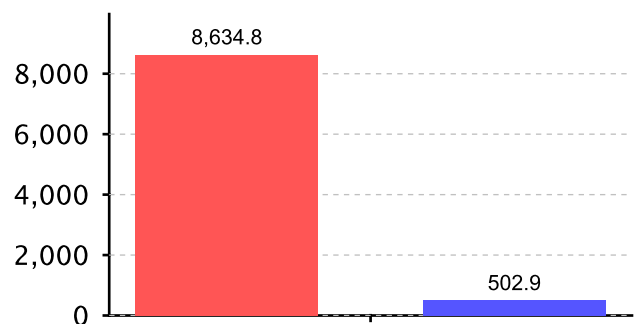
Long train (1,500 t), emission standard electrified, load factor 80%, empty trip factor 20%, transhipment

**Road trasport**

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)

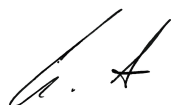


■ Truck ■ Train

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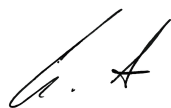
## Details

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	BARCELONA EL MORROT	615	1,417	63.1	2.6	60.5
ANTWERP COMBINANT	BUSTO A./GALLARATE	150	1,061	10.1	0.5	9.6
ANTWERP COMBINANT	VERONA QUADRANTE	3,061	1,275	245.7	13.8	231.9
ANTWERP HTA QUAI 468	BUSTO A./GALLARATE	33,545	1,061	2,240.2	119.6	2,120.6
ANTWERP HTA QUAI 468	NOVARA CIM	3,979	1,082	273.7	13.1	260.6
BASEL WEIL	BUSTO A./GALLARATE	1,104	317	26.3	1.5	24.8
BARCELONA EL MORROT	ANTWERP COMBINANT	27	1,417	2.7	0.1	2.6
BARCELONA EL MORROT	BUSTO A./GALLARATE	1,252	1,066	91.9	6.4	85.5
BRESCIA	ROTTERDAM RSC	847	1,182	68.8	3.8	65.0
BRESCIA	SINGEN	12,470	395	409.0	22.3	386.7
BUSTO A./GALLARATE	ANTWERP HTA QUAI 468	28,417	1,061	1,897.7	101.3	1,796.4
BUSTO A./GALLARATE	BASEL WEIL	8,487	317	202.0	11.3	190.7
BUSTO A./GALLARATE	BARCELONA EL MORROT	8,565	1,066	628.9	44.0	584.9
BUSTO A./GALLARATE	DUISBURG RHEINHAUSEN	1,356	872	86.3	12.2	74.1
BUSTO A./GALLARATE	GELEEN RTC	155	994	9.4	0.6	8.8
BUSTO A./GALLARATE	HAMBURG BILLWERDER	26	1,154	2.1	0.3	1.8
BUSTO A./GALLARATE	KOELN EIFELTOR UBF	60	809	3.5	0.5	3.0
BUSTO A./GALLARATE	LUDWIGSHAFEN KTL	376	587	16.1	1.8	14.3
BUSTO A./GALLARATE	ROTTERDAM RSC	19	1,094	1.3	0.1	1.2
BUSTO A./GALLARATE	SINGEN	444	307	10.9	0.5	10.5



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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)
BUSTO A./GALLARATE	TAULOV	543	1,434	53.4	8.7	44.7
BUSTO A./GALLARATE	ZEEBRUGGE PO FERRIES	5,033	1,147	358.0	19.2	338.8
DUISBURG HOHENBUDBER	SINGEN	736	571	1.6	0.1	1.4
DUISBURG RHEINHAUSEN	BUSTO A./GALLARATE	2,592	872	165.1	23.4	141.7
GELEEN RTC	BUSTO A./GALLARATE	347	994	21.0	1.3	19.8
HAMBURG BILLWERDER	TAULOV	26	298	0.5	0.1	0.4
KOELN EIFELTOR UBF	NOVARA CIM	35	859	2.1	0.3	1.8
LUDWIGSHAFEN KTL	BUSTO A./GALLARATE	127	587	5.4	0.6	4.8
LUDWIGSHAFEN KTL	ZEEBRUGGE CLDN PORTS	20	626	0.7	0.1	0.6
NOVARA CIM	ANTWERP HTA QUAI 468	6,217	1,082	427.6	20.5	407.1
NOVARA CIM	LUDWIGSHAFEN KTL	20	637	0.9	0.1	0.8
NOVARA CIM	ZEEBRUGGE CLDN PORTS	743	1,197	54.2	2.6	51.6
ROTTERDAM RSC	BRESCIA	437	1,182	35.5	2.0	33.5
SINGEN	BRESCIA	1,069	395	35.0	1.9	33.1
SINGEN	BUSTO A./GALLARATE	771	307	19.0	0.8	18.2
SINGEN	DUISBURG HOHENBUDBER	2,457	571	5.2	0.4	4.8
TAULOV	BUSTO A./GALLARATE	57	1,434	5.6	0.9	4.7
VERONA QUADRANTE	ANTWERP COMBINANT	7,584	1,275	608.8	34.2	574.6
ZEEBRUGGE PO FERRIES	BUSTO A./GALLARATE	7,664	1,147	545.2	29.3	516.0



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