

### COSTA II EAST POSEIDON MED





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Trans-European Transport Network (TEN-T)

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# The Port of Rijeka location and included terminals



The Adriatic Sea main shipping routes

#### The Rijeka Bay and the Vela Vrata strait





#### **Terminals**

- **Port of Rijeka** (passenger traffic, conventional general cargo and bulk cargo)
- **Sušak** (container terminal, conventional general cargo, bulk cargo and wood)
- **Bakar** (bulk cargo and ro-ro terminal)
- **Raša** (livestock and wood terminal)
- Omišalj (oil terminal)

**EKONERG** 



# Bunkering demand assessment in port of Rijeka





#### **Marine transport**

#### **Road transport**





#### **Total LNG demand**

• Cumulative LNG consumption of maritime and road transport in Rijeka:

ltem	Unit	2015	2020	2025	2030
Maritime transport	t/year	0	4,191	4,953	8,891
Road transport	t/year	0	267	936	2,367
Total	t/year	0	4,458	5,889	11,258



#### **Road transport - Croatia**



### Bunkering supply chain in port of Rijeka



#### **Marine transport**

• Number of vessels with LNG propulsion in 2030 with overall LNG consumption for each vessel type:

Vessel type	LNG vessels penetration rate	Number of calls at ports	Number of vessels with LNG propulsion	LNG consumption	
-	-	-	-	t/a	
Container vessels	0.030	512	10	2,174.65	
Passenger vessels	0.111	339	38	1,113.62	
Cruiser vessels	0.074	51	4	3,434.93	
Tankers/bulk carriers	0.067	141	10	2,167.63	
Average/Total	0.07	1042	61	8,890.82	



#### **Road transport**

• Total number of single-fuel and dual-fuel engines from 2015 to 2030:

Item	Units	2015	2020	2025	2030
Total LNG consumption	t/year	0.00	267.00	936.00	2,367.00
Storage capacity	m <sup>3</sup>	60.00	60.00	60.00	60.00
Number of fillings	-	0	10	34	87
Single-fuel engines consumption	t/year	0.00	178.00	624.00	1,578.00
Dual-fuel engines consumption	t/year	0.00	89.00	312.00	789.00
Number of single-fuel	-	0	492	1,725	4,362
engines					
Number of dual-fuel engines	-	0	808	2,834	7,167
Total number of vehicles	-	0	1,301	4,559	11,529



#### **Technical solutions and preliminary storage location**



#### **Ports connectivity**



## Thank you







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