

# Intermodal transport in Poland in 2023

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 **10.9%**

Decrease in transshipments at intermodal terminals compared to 2022

Intermodal transport allows to create modern transport chains that combine two or more modes of transport into one system. It is based on nodes representing the interconnection points of the various modes of transport involved in the transport of goods without changing the loading unit. The greater number of nodes (land and maritime terminals), the easier it is to access the connection network.

Intermodal terminal is a place that allows for quick and safe reloading of units between two different types of transport modes. There were 39 active terminals located in Poland in 2023, including:

- 4 handled sea-rail, sea-road shipments (maritime terminals),
- 35 handled rail-road transports (land terminals).

In 2023, there were 39 active terminals, i.e. 4 more than in the previous year

**Map 1. Location of intermodal terminals in 2023**



## Maritime terminals infrastructure

The length of reloading quays at maritime terminals in 2023 was 5.8 km in total, of which 73.3% were quays for handling cargo units in the lo-lo system.

The parking and maneuvering area covered 6.1 ha, and the total storage area of the terminals – 169.8 ha, of which 95.4% of the area was dedicated to containerized units. The capacity of the storage yards amounted to 115.2 thousand TEU.

Maritime terminals had a total of 17.0 km of track for standard gauge railways, 70.7% of which was dedicated directly for loading/unloading intermodal units. The average length of a train set (number of wagons) handled simultaneously at the maritime terminal was 71 pieces.

The capacity of storage yards per year at maritime terminals increased by 15.0%, and at land terminals decreased by 7.4%

## Land terminals infrastructure

In 2023, the parking and maneuvering area at land terminals covered a total of 25.0 ha, and the total storage area of the terminals – 99.3 ha, of which 79.6% of the area was dedicated to containerized units. The capacity of the storage yards amounted to 128.8 thousand TEU.

In 2023, land terminals had a total of 102.2 km of track for standard gauge railways, 39.9% of which were dedicated directly for loading/unloading intermodal units. Average length of train set (number of wagons) handled simultaneously at the inland terminal was 29 pieces.

**Table 1. Handling equipment at intermodal terminals in 2023**

Specification	Maritime terminals <sup>a</sup>	Land terminals <sup>b</sup>
	in units	
Cranes	117	18
wharf	26	–
gantry	5	11
road container	86	7
Coastal and mobile cranes	6	2
Trucks	29	117
front boom	20	92
others <sup>c</sup>	9	25
Technological tractors	160	10
Low semi-trailers	72	–
Others	47	–

a Data for 4 maritime terminals.

b Data for 23 land terminals.

c Container shuttles, side containers, front stackers.

### Transshipments at maritime and land intermodal terminals

The total annual throughput capacity of intermodal transport terminals was 9.2 million TEU, including 4.7 million TEU at maritime terminals, and at land terminals – 4.5 million TEU.

In 2023, a total of 75.4 million tonnes of containerized cargo were transhipped at intermodal terminals, i.e. 10.9% less than in the previous year. 40' containers (60.6%) prevailed in the total number of transhipped containers at maritime and land terminals. The share of 20' containers was 31.2%, 45' and bigger – 6.6%, and 30' – 1.6%.

29.6 million tonnes were transported to/from intermodal terminals by sea (which amounted to 39.2% of the total cargo transhipped at maritime and land terminals), by road – 26.3 million tonnes (34.9%), and by rail – 19.6 million tonnes (25.9%).

In 2023, in intermodal transport significant share had mixed goods: a set of various types of goods transported together – i.e. 23.9% (increase by 12.7 pp), product from the group chemicals, chemical products, artificial fibers – 5.0% (decrease by 0.3 pp), food products, beverages and tobacco – 4.8% (increase by 1.2 pp). For 54.2% of the transported cargo their type was unknown (it accounted an decrease by 8.1 percentage points compared to 2022).

In 2023, a total of 75.4 million tonnes of containerized cargo were transhipped at intermodal terminals

**Chart 1. Structure of goods in containers transported to/from intermodal terminals by groups of goods in 2023 (based on the number of tonnes)**

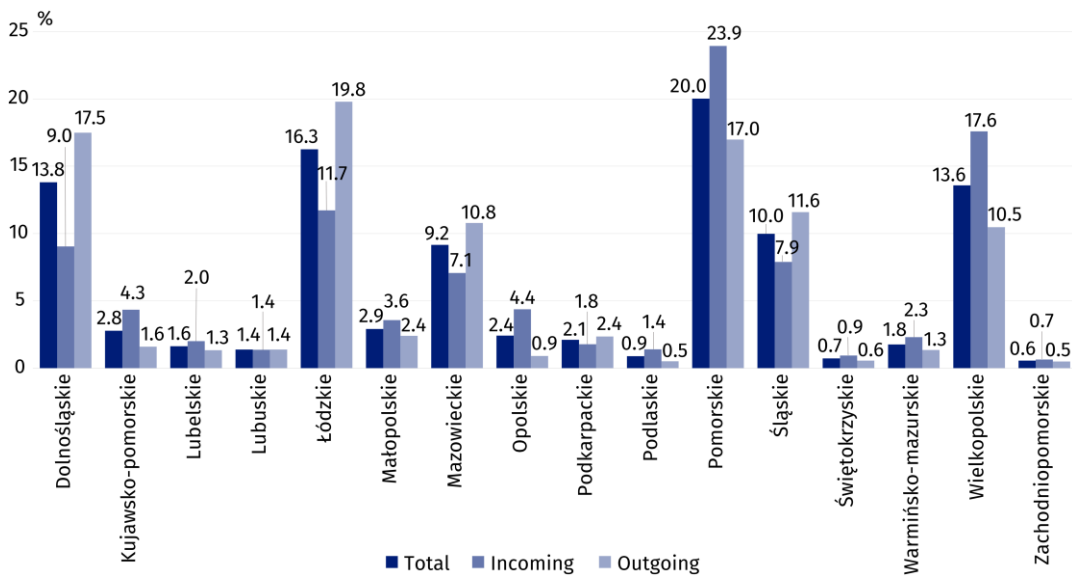


### Transport of goods in containers by intermodal road transport

In 2023, over 18.5 million tonnes of containerized cargo were transported by intermodal road transport. The share of domestic transport amounted to 98.8%. In national transport most cargo were transported to/from Voivodships: Pomorskie (20.0%), Łódzkie (16.3%), Dolnośląskie (13.8%) and Wielkopolskie (13.6%). An increase in the transported tons of containerized cargo compared to the previous year was recorded in the following Voivodships: Lubelskie, Lubuskie, Warmińsko-mazurskie and Wielkopolskie. In the remaining voivodships, less goods were transported than in the previous year.

In intermodal road transport, the share of national transport amounted 98,8%

**Chart 2. In 2023 the share of voivodships in the transport of containerized goods by inter-modal road transport (based on the number of tonnes)<sup>ab</sup>**



a The data includes transport to/from intermodal terminals located in Poland.

b Estimated data.

When quoting data from the Central Statistical Office, please include the following information: "Source of data from the Central Statistical Office", and in the case of publishing calculations made on the data published by the Central Statistical Office, please include the following information: "Own study based on Central Statistical Office data".

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#### **Related information**

[Transport – activity results in 2022](#)

#### **Data available in databases**

[Domain Knowledge Base Transport and Communications](#)

#### **Terms used in official statistics**

[Container ISO](#)

[Intermodal terminal](#)