

- Important employer in Hamburg, Schleswig-Holstein and Lower Saxony
- Generating added value of 21.8 billion euros nationwide
- Future-orientated progress on quality and efficiency with the smartPORT scheme

Port-dependent jobs*

Total number of jobs directly and indirectly dependent on port functions

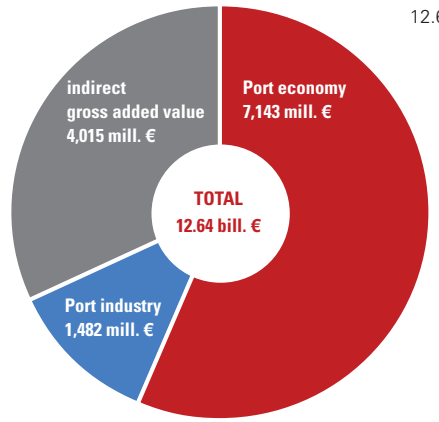
In Germany nationwide	268,689
In Hamburg	129,761
In Schleswig-Holstein	13,884
In Lower Saxony	11,917
Hamburg metropolitan region total	155,562

Added value impact*

Gross added value directly and indirectly generated by the Port of Hamburg

In Germany nationwide	21.8 billion euros
In Hamburg	12.6 billion euros

*as of 2014



Emissions reduction with smartPORT energy

Cargo vessels and cruise ships contribute to a large part of the hazardous emissions in the port due to their often extensive berthing times. Given the proximity of two of the cruise terminals to residential areas, it is here that a reduction in emissions will be sought more swiftly than in the remainder of the port. The HPA has set up the infrastructure to facilitate the onshore power supply of ships via an LNG hybrid barge at the Cruise Terminal HafenCity. A permanent onshore power supply facility was built at the Cruise Terminal Altona in 2016. Extensive practical tests were carried out successfully, thereby establishing important prerequisites essential for a substantial reduction in the emission of air pollutants, such as nitrogen and sulphur oxides, fine dust and carbon dioxide. The noise emissions are also being reduced. Additionally, the HPA is gradually replacing its shipping fleet with new, low-emission vessels as part of its sustainable fleet management, and retrofitting older fleet equipment with exhaust gas after-treatment.

Port of Hamburg Marketing (HHM)

Exploiting the effects of synergies, combining resources and being present in important markets, Port of Hamburg Marketing's worldwide presence is the basis for HHM's aim, to successfully market and position the Port of Hamburg internationally. As the central contact point, HHM keeps its German and international port customers abreast of the performance potential of the Port of Hamburg from a total of 12 branches worldwide. With its wide range of marketing activities, including market research, trade fair participations and briefing events, programmes for expert delegations, publications, press work and Internet services, the association boosts the competitive position of Germany's largest universal port.

- Remain constantly briefed with PORTnews: www.portofhamburg.com/portnews
- Simplify the search for suppliers with PORTlog: www.portofhamburg.com/portlog
- All liner services via Hamburg at a glance: www.portofhamburg.com/linerservices



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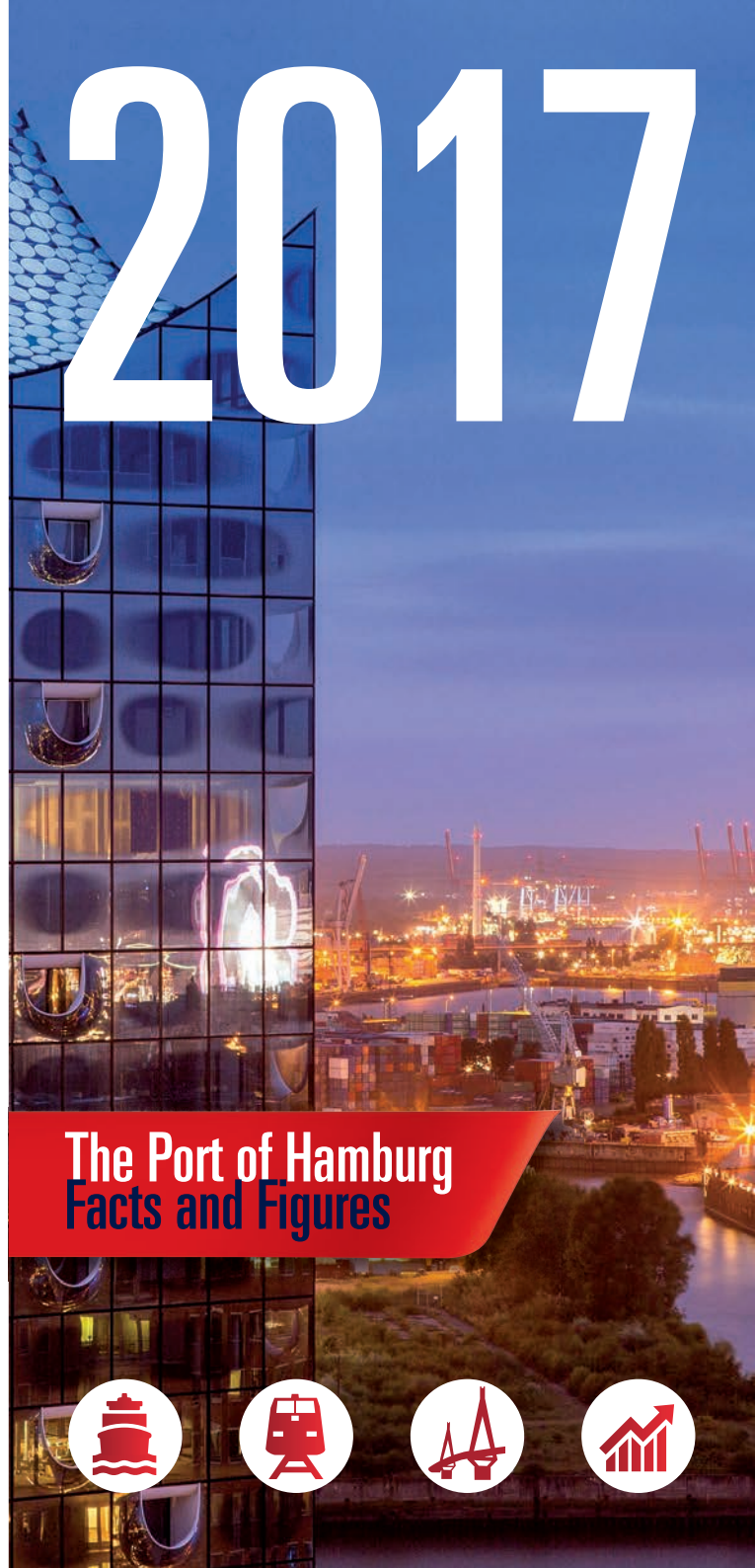
Hamburg Port Authority

The Hamburg Port Authority (HPA) has been running future-oriented comprehensive port management since 2005, being actively engaged wherever efficiency, safety and commercial viability are the aim in the Port of Hamburg. The HPA caters for the port's growing demands with intelligent and innovative solutions. The authority is responsible for the efficient, sustainable implementation of infrastructural measures in the port which includes the sparing use of resources. The HPA is the point of contact for all enquiries regarding infrastructure on the water and land, navigational safety and ease of vessel traffic, port railway facilities, port property management, and economic conditions within the port area. To this end, the authority provides the requisite areas and assumes all statutory responsibilities and port services. It markets port-specific expertise and looks after the Port of Hamburg's interests at both national and international level.

- For more on the topic smartPORT: www.hamburg-port-authority.de



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**The Port of Hamburg
 Facts and Figures**



Cover photo: © Thies Rätzke



Overseas traffic

- Germany's largest seaport
- A leading port for trade with China
- 17th largest container port worldwide

Seaborne cargo throughput 2016

Total throughput (in million tons)			138.2
of which general cargo throughput	93.3	of which bulk cargo throughput	44.9
conventional general cargo	1.5	grab cargo	22.0
containerized	91.7	liquid cargo	14.2
Containers (in million TEU)	8.9	suction cargo	8.7

Ocean-going vessel traffic 2016

Arrivals by ocean-going vessels	8,719
Container vessels	4,163
Tankers/bulk carriers	2,832
Cruise ships	156

of which the total number of extraordinary large vessels with a length of over 330 metres and/or breadth of over 45 metres

1,037

Top 10 trading partners 2016

Seaborne cargo throughput (in million tons)	Container throughput (in TEU)		
1 China inkl. Hong Kong	24.23	China incl. Hong Kong	2,582,000
2 Russia	14.88	Russia	453,000
3 Brasil	7.12	Singapore	419,000
4 USA	6.16	USA	363,000
5 Norway	5.23	Finland	361,000
6 Singapore	5.10	Malaysia	286,000
7 Finland	4.43	South Korea	274,000
8 Sweden	4.34	Great Britain	246,000
7 Canada	3.95	Sweden	243,000
10 Great Britain	3.92	India	241,000

Liner network spanning the world

With its dense network of around 120 worldwide liner services, the Port of Hamburg performs an essential role for the foreign trade of Germany and the neighbouring countries of Europe. The large majority of 1,000 seaports worldwide are served directly from Hamburg. Others are served indirectly per transshipment.



Hinterland traffic

- Leading hub for Baltic trade routes
- More than 1,300 freight trains per week
- Germany's second biggest inland port

Rail freight traffic 2016

Total throughput (in million tons)	46.4
Container throughput (in million TEU)	2.4
Cargo trains	59,700

Inland waterway freight traffic 2016

Total throughput (in million tons)	11.5
Container throughput (in TEU)	119,000
Number of calls by inland waterway vessels	10,000
Internal port transfers	67,000

Modal Split

In hinterland traffic (99.6 million tons)

Rail	46.6 %
Inland waterway vessel	11.5 %
Truck	41.8 %

In container hinterland traffic (5.6 million TEU)

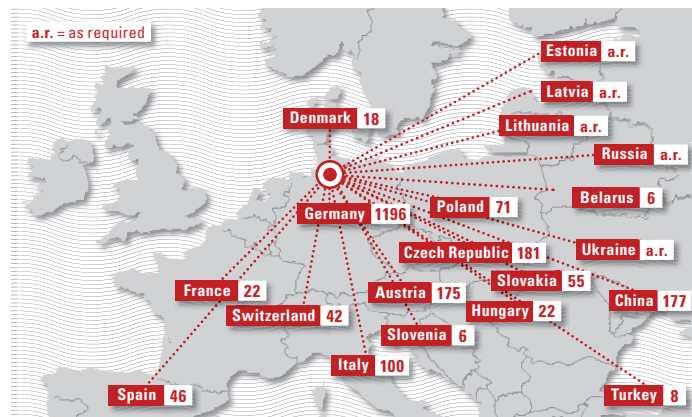
Rail	42.3 %
Inland waterway vessel	2.1 %
Truck	55.6 %

(Discrepancy in total caused by rounding)

Transshipment throughput 2016

Total throughput (in million tons)	38.6
Container throughput (in million TEU)	3.3

Weekly Intermodal Railway Services via Hamburg



Infrastructure

- 280 berths for ocean-going vessels
- Intelligent traffic control by innovative IT
- State-of-the-art infrastructure for handling mega-ships

Port area

Total port area	7,105 hectares
Land area	4,258 hectares
Water area	2,845 hectares

Port usage area

6,310 hectares	
Land area	3,465 hectares
Water area	2,845 hectares
Port expansion area	795 hectares

Port infrastructure

Quay walls for ocean-going vessels	43 km
Berths for ocean-going vessels	280
of which mega-ship berths	40
Berths on dolphins (for ocean-going vessels only)	17
Landing facilities (pontoon facilities)	56
Public roads	142 km
Port Railway tracks	288 km
Bridges: road bridges	62
rail bridges	51
movable bridges	5

Water levels, ship drafts

Tide at level Hamburg-St. Pauli

Mean high tide	Mean sea level + 2.13 metres
Mean low tide	Mean sea level - 1.62 metres
Mean tidal range	3.83 metres

Permissible ship drafts (fresh water)

Inbound, dependent on utilization of the tidal bore	15.10 metres
Outbound, depending on the tidal bore	13.80 metres
Irrespective of tide (inbound and outbound)	12.80 metres

Intelligent traffic management thanks to smartPORT logistics

Measurement sensors were installed at key traffic intersections in the port back in 2010. These precisely measure traffic volume, vehicle types and speed. All system data flow into the Port Road Management Center. Yet that is only the beginning of comprehensive traffic management designed to cover all three means of transport – road, rail and water. Productivity improvements of approx. 12 percent have already been achieved during the pilot operation of smartPORT logistics, a project run by HPA, SAP and Deutsche Telekom.