**HVCC**

Central, supra-corporate coordination center for large vessels, feeders and inland vessels in the Port of Hamburg

- Accessible 24/7
- Data networking of shipping companies, terminals, Nautical Center and pilots: efficient and more environment-friendly use of the port and the River Elbe

**SBV**

Container terminals introduce slot-booking procedure (SBV) for trucks

- Digital process controls and optimizes truck handling in the Port of Hamburg
- More mega-ships: more trucks calls at terminal per ship's call: storage and truck parking problems
- Introduction of SBV: fewer bottlenecks during peak periods in port, relieving traffic congestion

**PORT MANAGEMENT**

Hamburg Port Authority AoR

- Hamburg Port Authority AoR (HPA) with its 1,800 staff has been notable for forward-looking port management from one source since 2005
- The HPA is omnipresent wherever the Port of Hamburg’s efficiency, safety and viability are at stake
- The HPA counters growing demands on the port with intelligent and innovative solutions

**5G**

Hamburg Port Authority tests 5G in the port

- 5G sets the communication standard for the future
- Rapid, reliable and secure
- Two years’ testing in industrial environment

**smartPORT**

- Philosophy for innovative projects
- Smart solutions enhance efficiency of port traffic and cargo flows
- Development of new control systems

**smart**

**FACTS AND FIGURES**

- Calls at the Port of Hamburg on average per year: 18,000
- Megaship-ready for 20,000 TEU containerships
- The port safeguards 156,000 jobs in the Hamburg Metropolitan Region
- Weekly from/to Hamburg: > 2,000 container services
- Efficient flow of supplies for European hinterland with 500 Mio. consumers
- Northern Europe’s top cargo hub with 150 regular ocean-going liner services

**Universal Port of Hamburg**

**PORT 4.0**

**Key figures**

- PORT 4.0 Contact
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** sbv  **

- Container terminals introduce slot-booking procedure (SBV) for trucks

**Hamburg Port**

- 2018
- Budapest · Dortmund · Dresden · Hamburg · Hong Kong · Mumbai
  - Munich · Prague · Shanghai · Saint Petersburg · Warsaw · Vienna

**Universal Port of Hamburg**

- 2018
- Budapest · Dortmund · Dresden · Hamburg · Hong Kong · Mumbai
  - Munich · Prague · Shanghai · Saint Petersburg · Warsaw · Vienna

**Cover:** Achim Multhaupt
Workplace, Climate protection

280 berths for seagoing vessels

With the 'AIDAnova', the Hamburg Port Authority AöR (HPA) is the point of contact for all one special feature is Every Saturday during the 2018

Important hub for Baltic trade services

Biggest employer and important in powering employment in

The HPA accordingly holds the necessary sites in readiness and is

In addition, a more extensive

44 terminals in Hamburg

Germany's largest universal port

Cruise Center Altona's shore-

The Port of Hamburg provides

Europe's third largest container port

Full shore-power supply for

The Hamburg Port Authority

Important port for China

From 2018, new environmental

Modern and efficient infrastructure

OVERSEAS SERVICES
- Germany's largest universal port
- Important port for China
- Europe's third largest container port

Global liner network
- About 150 liner services link Hamburg directly with ports in more than 100 countries on six continents

Seaborne cargo handling 2017

Total throughput (in million tons) 136.5
Of which Bulk cargoes 44.7
Grab cargoes 23.5
Liquid cargoes 13.7
Suction cargoes 7.4
Of which General cargoes 91.8
Containersized general carges 1.4
Containers (in million TEU)* 96.3
Containers (in million TEU)** 8.8

Ocean-going ship traffic 2017

Arrivals 8,088
Containerships 3,625
Tankers/Bulk carriers 3,747
Cruise ships 197
Other types of ships 1,519
Ships with a length of over 330 metres and/or a breadth of over 45 metres 1,036

Seaport cargo handling 2017 (M tons)
- 1. China incl. Hong Kong
- 2. Russia
- 3. Brazil
- 4. USa
- 5. Norway
- 6. Singapore
- 7. China
- 8. Malaysia
- 9. Poland
- 10. Finland

Top 10 trading partners 2017

HINTERLAND SERVICES
- Europe's largest rail port
- Important hub in Germany
- Modern and efficient infrastructure

Rail freight transport 2017

Total throughput (million tons) 45.5
Container throughput (million TEU) 2.3
No. of freight trains 58,500

Weekly Intermodal Railway Services via Hamburg

Inland navigation 2017

Total throughput (million tons) 10.7
Container throughput (TEU) 121,100
In-port tours (TEU) 97,000
No. of calls by inland waterway vessel 10,000

Port infrastrcuture 2017

Quay walls for seagoing vessels

- Berths for seagoing vessels
- (Of which mega-ship berths)
- Berths at dolphins (seagoing ships only)
- Lading facilities (pontoons)
- Public roads
- Rail tracks (total)
- Bridge: road bridges
- Railway bridges
- movable bridges

Environmental management and climate protection

Shore-power terminal at Cruise Center Altona

- Cruise Center Altona’s shore-power terminal entered regular service in 2017.
- The terminal is unique of its kind in the world.
- Full shore-power supply for 22 vessels is planned for 2018.

Hamburg’s fleet sets a good example
- The Hamburg Port Authority fleet of 50 vessels benefits from sustainable management.
- This includes modern exhaust-gas technology, innovative propulsion concepts and energy-saving ship propulsion.
- One special feature is conversion to lower-emission GTL (Gas to Liquid) fuel.

Port is what we do
- Hamburg Port Authority AöR (HPA) is the point of contact for all questions relating to waterside and land infrastructure, the safety and smooth running of ship traffic, Port Railway installations, real property management and observation of statutory requirements in the Port of Hamburg.
- The HPA accordingly holds the necessary sites in readiness and is responsible for discharging sovereign functions and running various port services.

PORT IS WHAT WE DO

From Hamburg into the world

Inland freight routes

Roads, bridges, berths

Workplace, Climate protection

JOBS
- Biggest employer and important in powering employment in the region of Hamburg, Schleswig-Holstein and Lower Saxony
- Generating 21.8 billion euros of nationwide added value

Port-dependent jobs (As at 2014)
- Total number of jobs directly and indirectly dependent on port functions:
  - In Germany as a whole 268,669
    - Hamburg 129,761
    - Schleswig-Holstein 13,884
    - Lower Saxony 31,917
    - Hamburg Metropolitan Region as a whole 155,562

GREEN PORT
- Environmental management and climate protection
  - The Port of Hamburg provides LNG supply at its Steinwerder Cruise Center.
  - Every Saturday during the 2018 cruise season, the ‘ADAdenia’ will be supplied with LNG at her berth.
  - With the ‘ADAnova’, the first LNG-fuelled cruise ship is expected in Hamburg in 2018.
  - Port dues incorporate environmental elements and port-sourced electricity discount
  - From 2018, new environmental elements in port dues provide an additional incentive to move further towards alternative supplies in future and to promote clean ships.
  - In addition, a more extensive port electricity supply discount encourages environment-friendly in-berth operation.
Terminals
CONTAINER
MULTI PURPOSE & RORO
BULK CARGO
LIQUID BULK
CRUISE

Water levels, ship drafts
Permissible ship drafts (fresh water)
Inbound, depending on utilization of the tidal bore
15.10 m
Outbound, depending on the tidal bore
13.80 m
Irrespective of tide (inbound and outbound)
13.30 m

Tide at Hamburg St. Paul
Mean high tide
Mean low tide
Mean tidal range

Ships on the move
- Live tracking of vessels in the interactive 3D port map
  www.portofhamburg.com/portmap
- Ships expected during the next 2-3 days
  www.portofhamburg.com/vessels/eta
- Cruise ships that will call in the Port of Hamburg
  www.portofhamburg.com/vessels/cruise-sailinglist
- Ships that have just passed the Hamburg port limits
  www.portofhamburg.com/vessels/ship-movements

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