



Activities undertaken by the Hanseatic City of Lübeck to control air pollution in the Baltic health resort of Lübeck-Travemünde

Thorsten Geissler, Senator of the Hanseatic City of Lübeck



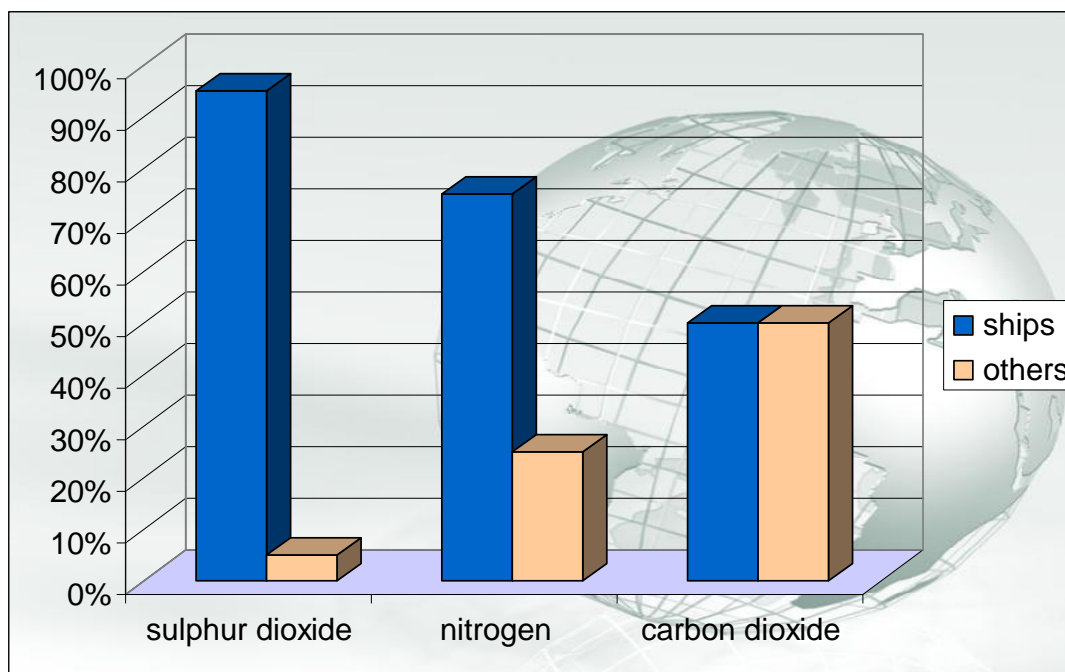


Agenda

- ❑ Situation at the beginning of our activities
- ❑ Action taken by the Hanseatic City of Lübeck (resolutions passed by the city council, list of measures with 30 recommended actions)
- ❑ The projects “Implementation of the Agenda 21 in the European seaports as illustrated by the example of Lübeck-Travemünde“ and “New Hansa”
- ❑ An interim appraisal of the implementation – maintaining the balance between economics and ecology ?
- ❑ Electricity for ships supplied from the land: Kiel intends to promote the project



The starting point



Atmospheric pollution due to ships:

- sulphur dioxide 95%
- nitrogen 75%
- carbon dioxide 50%



Action taken by the Hanseatic City of Lübeck

- Establishment of a municipal electricity supply for ships moored in the port
- Connection of major consumers to block heating and generating plants
- Implementation of a concept to reduce traffic in Travemünde
- Reduction of emissions from public vehicles
- Replacement of diesel locomotives on the Lübeck-Travemünde line by low-emission engines (electrification)
- Conducting energy checks at major heat consumers in cooperation with the Technical University of Lübeck
- Installation of thermal solar units in the tourist trade
- Publicity campaign in favour of controlling air pollution and protecting the climate



Project “The implementation of Agenda 21 in the European seaports as illustrated by the example of Lübeck-Travemünde”

Project members:

- Lübeck public utilities enterprise
- German Federal Agency for the Environment
- The Society for Environmental Protection and Safety in Shipping (GAUSS)
- Union of Baltic Cities (UBC)
- The Environmental Protection Department of the Hanseatic City of Lübeck
- Lübeck’s local Agenda 21



Project „New Hansa“

Project members:

- Lübeck public utilities enterprise as the leading partner
- Baltic Energy Forum e. V. (co-ordination)
- Hanseatic City of Lübeck
- Port of Rostock (Germany)
- Port of Kolding (Denmark)
- City of Malmö and
- City and Port of Stockholm (Sweden)
- City of Mariehamn
- Port of Pori
- City and Port of Turku and
- City of Helsinki (Finland)
- Szczecin and Swinoujcie (Poland)



„Memorandum of Understanding“

- Commitment by the port cities to compel their port operators to introduce measures to reduce emissions into the atmosphere by shipping
- Commitment by the port cities to standardise their technical installations and procedures for the management of refuse and sewage and noise abatement
- Commitment by the port operators to agree the implementation of uniform international technical, organisational or financial measures for the reduction of environmental consequences
- Commitment by the shipping lines and ship operating companies to apply state of the art technology on board ships in order to contribute to measures to maintain clean air, reduce noise and to manage the cities' refuse and sewage
- Obligation of all those signing the document to report every two years to the UBC on the measures implemented



Resolution of the Lübeck city council passed on 26.01.2006

The city council had called upon the mayor amongst other things

- to effect a further reduction of air pollution in the Baltic health resort of Travemünde caused by the current operations-related emissions from ferries ships' emissions through discussions with the affected shipping lines, the provincial government, the Federal Ministry of Transport and the Federal Ministry of the Environment such that the town's status as a Baltic health resort is retained*
- to conduct negotiations with the mayors of the target ports and the shipping lines for the supply of land-based electricity and, as soon as this is economically feasible, to work energetically towards this goal in the Lübeck ports*
- to seek a dialogue with the mayors of the other Baltic port cities and together with them to bring about a Memorandum of Understanding for the introduction of port fees in the Baltic area which support the environment.*



Further measures to reduce harmful emissions into the atmosphere in Travemünde

- Electrification of the Hamburg to Lübeck-Travemünde railway line (construction work was started on 23rd August 2006)
- Transfer of the Scandinavia Quay gates to the south
- Reduction of the maximum proportion of sulphur in the fuel used by ships (requires a legislative initiative)
- And the construction of a block heating and generating plant



Recommendations issued by the EU Commission

- Examination of the construction of a land-based electricity generating plant at ships' mooring places, especially where permitted air pollution limits are exceeded
- Evaluation of environmental benefits and cost efficiency
- Development of norms for land-based electricity links applicable throughout the world
- Examination of financial incentives for the use of land-based electricity supply
- Awakening the consciousness of those with local responsibility for the port area (authorities, shipping authorities, industrial associations) for questions of electricity supply from the land
- Exchange of tried and tested practices between port authorities and companies
- Supply of information to the EU Commission on planned measures for the reduction of emissions from ship in ports, in particular in cases where air pollution limits are exceeded.

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Hansestadt LÜBECK



Thank you for your attention!

**contact: Thorsten Geissler, Senator of the Hanseatic City of Lübeck
Environment, Security and Public Order
Kronsforder Allee 2-6
D-23539 Lübeck**

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