Beneficiaries
Representing: Belgium, Germany, Norway, Sweden, The Nederlands, UK
- Hordaland County Council / Lead beneficiary – Norway / www.hordaland.no
- Free and Hanseatic City of Hamburg (DE) / www.bsu.hamburg.de
- Port of Antwerp (BE) / www.portofantwerp.be
- Shipbuilders & Shiprepairers Association (UK) / www.ssa.org.uk
- University of Newcastle upon Tyne (UK) / www.ncl.ac.uk
- BKK (NO) / www.bkk.no
- Gasnor AS (NO) / www.gasnor.no
- Institute of Coastal Research, GKSS (DE) / www.gkss.de
- Germanische Lloyd (DE) / www.gl-group.com
- DCMR Environmental Protection Agency (DE) / www.dcmr.nl
- Harlingen Seaport – The Netherlands / www.harlingenseaport.nl
- Groningen Seaports (NL) / www.groningen-seaports.com
- MARIKO Maritimes Kompetenzzentrum Leer (DE) / www.mariko-leer.de
- Bergen Municipality (NO) / www.bergen.kommune.no
- Port of Bergen Authority (NO) / www.bergenhavn.no
- Stadtwerke Lübeck GmbH (DE) / www.sw-lubeck.de
- Swedish Marine Technology Forum (SE) / www.smtf.se
- Port of Gothenburg (SE) / www.portgot.se
- Telemark County Council (sub-partner) (NO) / www.telemark.no/international

Supporting partners
Representing: Belgium, Germany, Norway, Sweden, The Nederlands, UK
- EXMAR Shipmanagement (BE)
- Federal Maritime & Hydrographic Agency, Berlin (DE)
- Göteborg Energy (SE)
- Maritime Forum Bergensregionen (NO)
- North Sea Commission (ORG)
- Norwegian Coastal Administration (NO)
- Norwegian Maritime Directorate (NO)
- Region Västra Götaland (SE)
- State Chancellery Schleswig-Holstein (DE)
- Federal Ministry of Transport, Berlin (DE)
- Hamburg University of Technology (DE)
- Maritime Cluster Schleswig-Holstein (DE)
- SEEDA – South East England Development Agency (UK)
- Göteborgregionens kommunalförbund (SE)
- See Hafen Kiel (DE)

Contact / Lead Beneficiary
HORDALAND COUNTY COUNCIL
Agnes Mowinkelsgate 5, N – 5020 Bergen
Norway
Tom-Christer Nilsen
Vice Chairman Hordaland County Council
Tom-Christer.Nilsen@post.hfk.no
Lars Tveit
Project Manager
lars.tveit@post.hfk.no

www.hordaland.no

June 2010
Programme Priority
The link to the INTERREG IVB North Sea Region Programme is given by the Priority 3.3 “to promote the development of efficient and effective logistics solutions”. Additionally, the whole project idea provides some input to the Priority 2 “promoting the sustainable management of our environment”.

Summary of the Project
To promote the development of efficient and effective logistics solutions, the maritime transport system (ships, ports and surrounding areas) steps into transition processes to meet the demands of enlargement and sustainable development at the same time. The partnership of CNSS (ports, business, regions, public authorities, NGOs, research institutes) creates transparency on cost-efficient technology solutions and develops and improves the introduction of successful air quality programs.

The Overall Objective
Joint efforts on reduction of air pollution and Greenhouse gas emission by looking into available technologies and the implementation of cost-efficient and cleaner energy supply infrastructure to ships in harbours and at sea. The over all objectives will be achieved by a strong and complementary transnational partnership.

Project objectives
Impulses on Policies and Strategic Developments
1 Support of policy building to reduce air pollution in ports and to promote “Clean Shipping” Technology (e.g. policy of regional strategies, EU shipping strategy)
2 Provide input to implementation of regulations on EU, national and regional level
3 Promotion and implementation of Environmental Ship Index
4 Development and implementation of systems giving incentives to “Clean Shipping” Technology
5 Preparation for major follow-up projects including investments
6 Long lasting policies

Joint Efforts on Reduction and Treatment of Emissions
1 Focusing on emission and Greenhouse gas reduction from ships
2 Setting up local studies revealing the status of air quality in ports and surrounding areas
3 Monitoring and evaluation of local findings
4 Using appropriate simulation models to predict pollutant spread
5 Management related to transition processes of green energy supply in harbours
6 Emission management recommendations (e.g. in spatial planning)
7 Support of green labelling initiatives

Improvement of Transparency on Technological Solutions and Improvements
1 Study of existing “state of the art” show cases
2 Mutual support and development of competence between “Show case” – owners and project partners (e.g. LNG supply in a harbour, Fuel Cell technology, and Cold Ironing)
3 Improving existing plans based on exchange of experience and transfer of technological knowledge.
4 Looking for development of new business models related to “Clean Shipping” technology

5 Creating transparency on technological solutions
6 Promoting “Clean Shipping” Technology

Increasing Awareness
1 Be a mutually supportive and competent network, focusing on exchange of knowledge internal and external
2 Implementation of Communication plan incl. Internal / external information transfer between partners