

## Partners

### ASEAN Secretariat and APA

ASEAN was established in 1967 and has its Secretariat in Jakarta, Indonesia. The ASEAN member states include Brunei Darussalam, Cambodia, Indonesia, Lao DPR, Malaysia, Myanmar, Philippines, Singapore, Thailand and Vietnam. In 1974, the port authorities of member states established APA as the basis of a cooperation network. APA members share experiences and collaborate to find solutions to common problem areas and emerging issues in the port sector.

### GIZ

The Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH is 100% owned by German government with worldwide operations. It supports the German Government in international cooperation for sustainable development. It operates in more than 130 countries worldwide and employs over 17,000 staff members.

### PEMSEA

The project signed a collaboration agreement with the Partnerships in Environmental Management for the Seas of East Asia (PEMSEA) with the objective to jointly assist partner ports to implement and continually improve Safety, Health and Environmental (SHE) management under an integrated systematic approach in accordance with the provisions of the Port Safety, Health and Environmental Management (PSHEM) Code, a standard developed by PEMSEA.



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## Input

### ASEAN Ports Association (APA)

- Responsible for coordinating the implementation of the project
- Associated personnel to support the project will be made available when necessary

### Participating Ports

- Provide a regional project office (Port Authority of Thailand)
- Provide management support
- Actively participate in project activities
- Assigns focal persons to the project
- Provide training facilities

### National Level

- Provides a platform for discussion on key legislative issues and international regulations and conventions
- Actively participate in project activities
- Assigns focal persons to the project
- Provide training facilities

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[www.sustainableport.org](http://www.sustainableport.org)  
[www.citiesenvironmenttransport.org](http://www.citiesenvironmenttransport.org)

ASEAN – German Technical Cooperation  
Regional programme Cities – Environment – Transport



## Sustainable Port Development in the ASEAN Region



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## Introduction

Ports are commercial, logistic and industrial nodes at the intersections of international trade and play a key role in the economic development of their countries and regions. As traffic in the ports continues to grow port authorities and operators are more and more concerned about the impact of their activities. Port operations and related activities concentrated in a relatively small area cause high safety risks and environmental impacts. The project on 'Sustainable Port Development in the ASEAN Region' provides methodological and technical support for the implementation of modern and sustainable Safety, Health and Environmental (SHE) management in the participating ports.



The project is part of the Regional Programme 'Cities, Environment and Transport' in the ASEAN region funded by the German Federal Ministry for Economic Cooperation and Development (BMZ). In the framework of the programme the project works closely together with 'Clean Air for Smaller Cities' and 'Energy Efficiency and Climate Change Mitigation in the Land Transport Sector' project.



## Project Objective 2009-2015

"Selected ports have improved the quality and efficiency of their Safety, Health and Environmental (SHE) management." The project actively engages ports in 7 countries as well as national level representatives.

## Some Facts and Figures

- Worldwide container throughput rose from close to 100 million TEU in 1991 to 550 million TEU in 2011
- Overall, transportation accounts for 27% of the world's CO2 emissions. Maritime transport accounts for 2.7% of the world's CO2 emissions
- Each year, ships deliberately dump more than 5 million tons of solid wastes and more than 500,000 tons of oily wastes and residues into the sea
- In selected ASEAN ports, the biggest source of SOx, which leads to health issues such as respiratory problems, are ocean-going vessels
- In 2010 in the UK it is estimated that out of 100,000 port employees at least 1,000 (or 1%) were injured in port industry related accident

## Project Achievements 2009-2012

Project partners jointly achieved improvements of SHE Management through technical cooperation, systematic approaches and addressing regulation and enforcement issues at local, national and regional level:

- 7 ports developed, improved and/or implemented a Port SHE Management System (PSHEMS)
- 2 ports established a SHE department
- 3 ports improved Ship Waste Reception and Waste Management (MARPOL 73/78); awareness towards a regional approach was realized
- 7 port emission inventories were completed
- a guideline for efficient traffic management in the port area was developed
- a platform for ports and ministries to discuss technical and regulatory issues in a regional context was organized

The project supports ASEAN member states to fulfill their obligations towards the Strategic ASEAN Transport Plan in preparation for ASEAN Economic Community (AEC) 2015.



## Strategy and Approach (2013-2015)

Following international trends the port industry in ASEAN will head towards further privatization. To stay competitive in the global market ports need to increase their quality and efficiency of services including their management systems. Adequate policies, regulations and procedures on local and national level are key to achieve sustainable port development.

The project intends to focus on the following key areas:

- National level SHE policies, regulations and inspections involvement
- Corporate Social Responsibility (CSR)
- Green / Sustainable port policies
- Stakeholder involvement in SHE
- Exchange and dissemination of experience and of best practices