

SETTING UP OF A TIDE, CURRENT AND WIND MEASUREMENT SYSTEM FOR THE STRAITS OF MALACCA AND SINGAPORE TO ENHANCE NAVIGATIONAL SAFETY AND MARINE ENVIRONMENT PROTECTION

OBJECTIVES

To enhance navigational safety and marine environment protection in the Straits of Malacca and Singapore through continuous collection and processing of tide, current and wind data

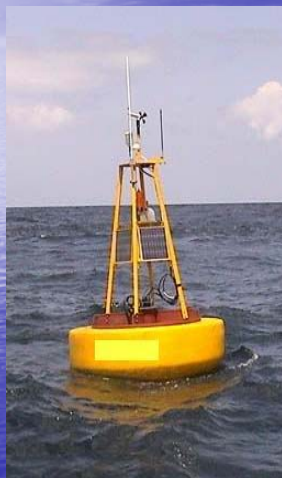


CURRENT SITUATION



- Tide, current and wind in the Malacca and Singapore Straits - are separately monitored by the individual Littoral States.
- Important data for enhancement of navigational safety and environmental protection
 - real time tidal information for ships navigating shallow waters
 - accurate knowledge of tide, current and wind will facilitate effective response to pollution incident

NEED FOR PROJECT



Enhance navigational safety and marine environment protection in the Straits through

- Utilizing currently available and proposed additional monitoring stations along the Straits particularly between One Fathom Bank to Horsburgh Lighthouse; and
- The data shall be used for modelling to aid ship passage planning and predict the trajectory of oil, chemicals and noxious substance (HNS) spill in an incident to enhance counter-pollution response

POTENTIAL BENEFITS

- Deep draft vessels - ensure adequate under keel clearance and avoid navigational dangers
- Enhance accuracy of search and rescue model prediction - enable more effective deployment of resources
- Enhance prediction accuracy of oil/chemical spill trajectory - enable effective clean up operations and minimise marine environment damage
- Assist shipping lines in voyage planning - maximise economic benefits such as saving fuel and improve ship schedule



SCOPE OF PROJECT

- Design, supply, installation and commissioning of a system of tide, current and wind monitoring stations
- The system includes:-
 - 6 Acoustic Doppler Current Profilers (ADCP)
 - 6 Tide Stations
 - 6 Wind Stations
 - Information Delivery System (IDS)
- The locations for the ADCPs and stations will be advised by experts from China after collating information on existing stations and a Needs Assessment study



Scope of Project

- The three Littoral States shall cooperate through an agreed mechanism for the implementation of the project;
- Each Littoral State shall be responsible for the implementation of the project within its own area of jurisdiction.
- Data from stations will be transmitted to 3 shore-based stations (one station located in each of the littoral States)
- An Information Delivery System (IDS) will interface with and receive the data from the shore-based stations
- The IDS will allow authorised users access to the information

Areas of Cooperation

Interested States / parties are encouraged to participate through one or all of the following areas:

- Sponsoring of equipment
- Providing technical expertise
- Funding for capital expenditure of project
- Funding for maintenance of project

Progress Update

1. At the pre-PCC Oct 07 Manado meeting, China has agreed to conduct a desktop Needs Assessment Study. The details of the study will be presented by China at the PCC meeting on Thursday, 29 July 08.
2. Australia and United States have also expressed interest in participating in this project at the Manado Meeting in Oct 2007.

Further contribution & participation from other States and parties

- Good progress has been made by China which will be presented at tomorrow's PCC meeting.
- The project consists of many components i.e. technical assistance, funding for expenditure, sponsoring of equipment, etc.
- The Littoral States strongly welcome contribution and participation from other States and parties in this project.
- We look forward to hearing from you soon.



Thank You