



**DIRECTORATE GENERAL OF SEA TRANSPORTATION
MINISTRY OF TRANSPORTATION
REPUBLIC OF INDONESIA**

UPDATES ON INDONESIAN VTS

In the Straits of Malacca and Singapore

**9TH COOPERATION FORUM MEETING
YOGYAKARTA, INDONESIA
SEPTEMBER 2016**

THE PROJECT FOR ENHANCEMENT OF VESSEL TRAFFIC SYSTEM IN MALACCA AND SINGAPORE STRAITS

BACKGROUND

- International shipping
- Characteristic of the Straits
- High risk accidents
- The high volume of marine traffic
- Contribute to enhancing the vessel traffic safety on Indonesia side of the Straits



THE PROJECT FOR ENHANCEMENT OF VESSEL TRAFFIC SYSTEM IN MALACCA AND SINGAPORE STRAITS

PHASE I

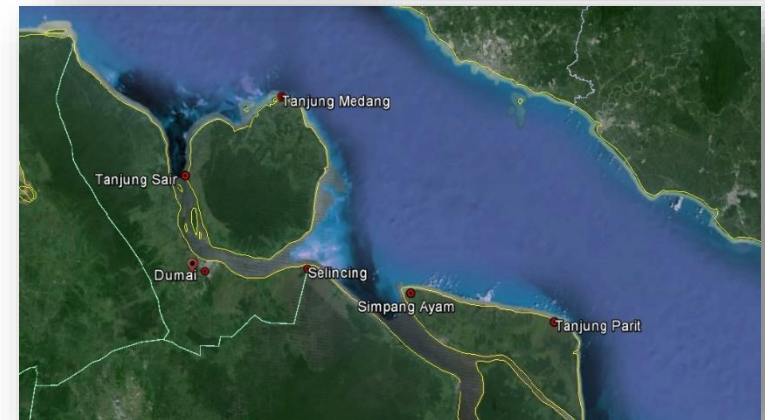
- Installation of the VTS equipment and construction of the steel towers and building facilities started on December 15, 2009
- Project was completed on March 31, 2011
- 4 VTS Sensor Stations (Hiyu Kecil, Takong Kecil, Batu Ampar and Tanjung Berakit)
- 1 VTS Centre (Batu Ampar)
- System Component :
Radar, AIS, VHF Radio Communication, CCTV, Meteorological, Database, Record and Playback, Data Communication Link



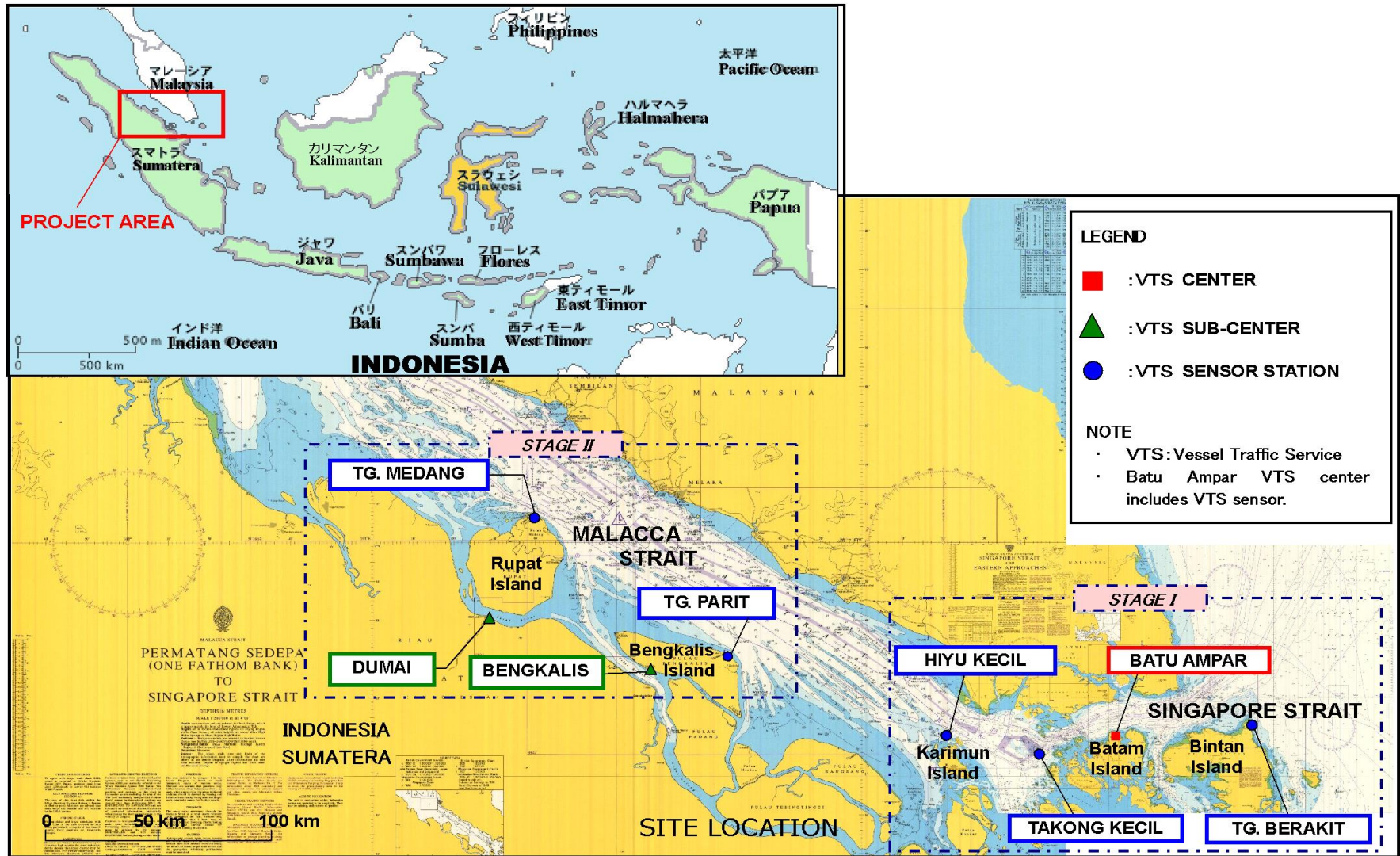
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PHASE II

- Installation of the VTS equipment and construction of the steel towers and building facilities started on March 28, 2014
- Project was completed on June 02, 2016
- 2 VTS Sensor Stations (Tanjung Medang and Tanjung Parit)
- 3 Repeater Station (Tanjung Sair, Selincing and Simpang Ayam)
- 1 VTS Sub Centre (Dumai)
- System Component :
Radar, AIS, VHF Radio Communication, CCTV, Meteorological, Database, Record and Playback, Data Communication Link, Web Server



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THE PROJECT FOR ENHANCEMENT OF VESSEL TRAFFIC SYSTEM IN MALACCA AND SINGAPORE STRAITS

TECHNICAL

- Compliance with IALA V-128 Operational and Technical Performance Requirements for VTS Equipment
- Covered whole Traffic Separation Scheme (TSS) of Malacca and Singapore Strait.
- Phase I was dedicated to cover Batam's Port and TSS
- Phase II will cover Dumai's Port and TSS
- VTS Dumai transmits all of its sensor data to VTS Centre Batam via internet connection.



THE PROJECT FOR ENHANCEMENT OF VESSEL TRAFFIC SYSTEM IN MALACCA AND SINGAPORE STRAITS

OPERATIONAL

VTS CENTRE BATAM

- Operator's certificate based on IALA Recommendation V-103/1.
- Training conducted by JANA Japan, AMSAT Australia, MPA Singapore and Indonesia Training Centre (BP2TL)
- Started to monitor traffic situation in 2012
- Service : **VTS/X/T134/INS/AS**

VTS DUMAI

- Training for VTS Operator based on IALA V-103/1 will be conducted in October 2016 by JANA Japan
- Dumai is expected to start monitor in Jan 2017.



THANK YOU

