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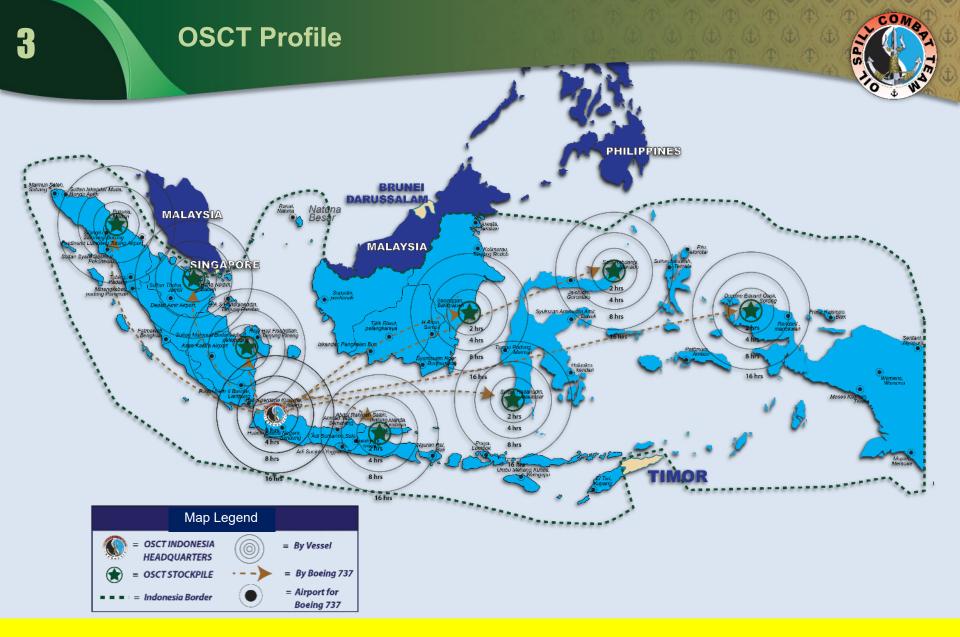
# Latest Offshore Oil Spill Combat Near Border Lessons Learnt in Indonesia



PETROLEUM ASSOCIATION OF JAPAN

February 2023 - Oil Spill Workshop





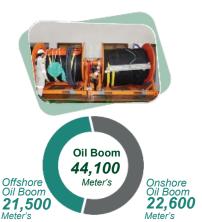
Oil Spill Combat Team (OSCT) Indonesia is an Oil Spill Combat Centre with Headquarters located in West Java with 8 bases across Indonesia. OSCT has over 44,000 meter of oil boom, 122 skimmers and 170 trained responders in Indonesia.

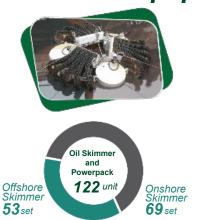


To support the Indonesian Government target towards oil production 1 million barrel per day, our mission is to protect Indonesia's & World's natural environment as Indonesia's largest spill combat center & one of the largest in the world. With 85% of its territory is ocean, Indonesia has big risk of spill pollution from oil & gas operation which can pollute sensitive areas & world heritage sites.

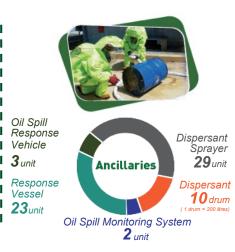


### Oil & Chemical Spill Combat Equipment









### Trainin



### **Experts**



### Oil Spill Contingency Plan



### Clients and Members





















## Certification



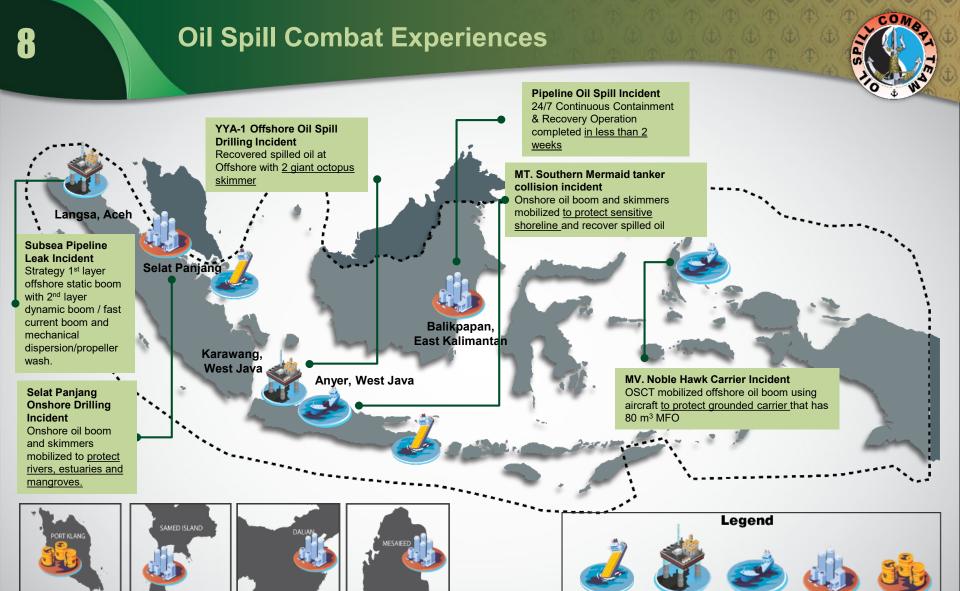
OSCT capability as National Oil Spill Response Center is approved by Ministry of Transportation, Ministry of Energy & Mineral Resources & Internationally Certified by Nautical Institute According to IMO Standards.



Currently OSCT Indonesia has signed International Cooperation MOU with international OSRO in 7 countries for mutual cooperation and assistance to deliver an effective and efficient response.



OSCT Indonesia able to mobilize OSRE from Asia-Pacific region including Thailand, Vietnam, South Korea, Malaysia, Singapore, Hongkong, Japan and China in case of major international oil spill and to support our member who have drilling and production activity near country border.



OSCT experiences in combating oil spill incident related to oil and gas operation such as in Selat Panjang – Onshore Drilling Incident, Balikpapan – Pipeline Rupture Incident, Anyer – Tanker Collision Incident, and Bali – Carrier Grounding Incident, major oil spill is offshore spill at West Java near Jakarta, Aceh – Subsea Pipeline Leak, and recent oil spill due to grounded vessel in Batam Waters, Riau Archipelago.

**MALAYSIA** 

**CHINA** 

**QATAR** 

**THAILAND** 

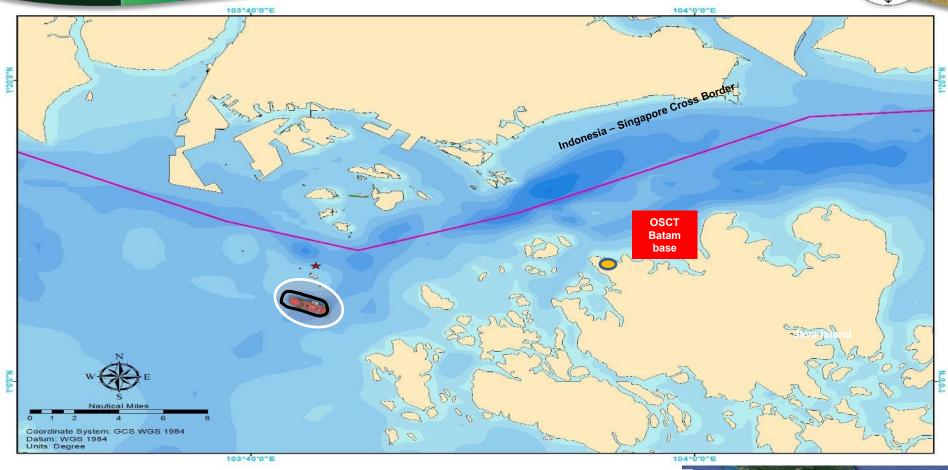
**Grounded Vessel** 

Offshore Oil Spill

Tanker Incident

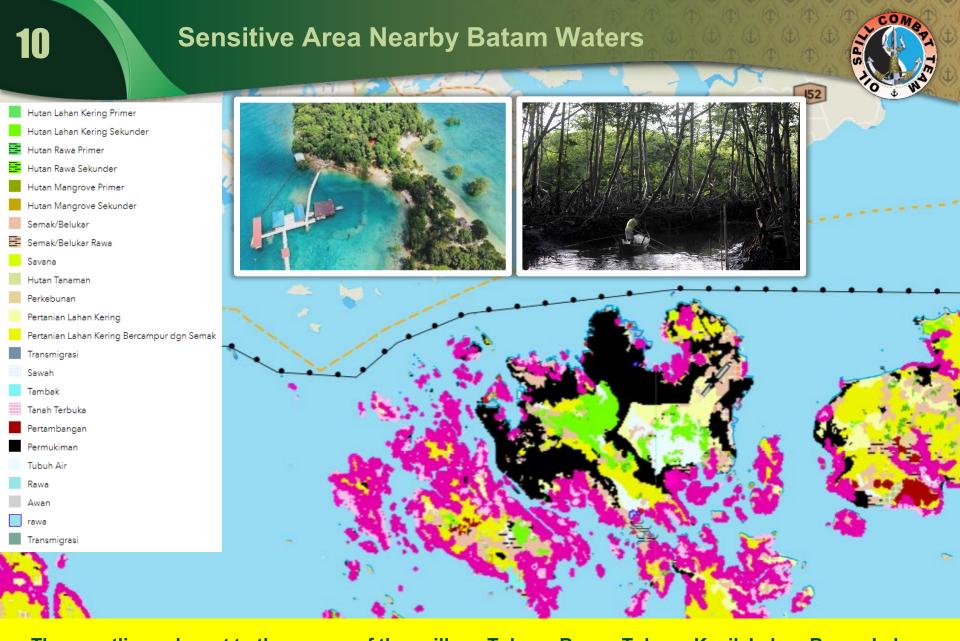
## **Nearshore Spill – Batam Waters**





Spill Source	Grounded Vessel
Location	Batam Waters
Time	October 26, 2022
Oil Characteristics	Medium Crude Oil





The coastlines closest to the source of the spill are Tokong Besar, Tokong Kecil, Labun Besar, Labun Kecil, and Pemping Island with a profile of tourist beaches, settlements, and mangroves. Marsh beaches dominate the type of beach on the shoreline.

## **Overview Response Strategy & Planning**





Spill Assessment, Detection & Surveillance

Containment and Recovery

Shoreline Monitoring & Sensitive shoreline protection

Mechanical Dispersion / Propeller Wash



October

**Guard that vessel grounded at Batam Waters** and concerned for potential oil spill would impact shoreline and cross border

October

the oil spill movement and recommend response strategies before it impacted shorelines



1-3 November

Implementation of Protection Boom strategy, using the Nearshore Boom encircle vessel by considering the nearest sensitive area.

November

The spill source closure strategy was successful

OSCT was activated on 28 October 2022 and carried out trajectory modeling to see oil movement and parallel support operations on site. Tanjung Balai Coast Guard participated to response, monitoring, and coordinate with other stakeholder. Incidents were handled properly and none reached sensitive areas.



There are 21 km offshore boom and 22 km shoreline boom available domestically for Tier-2/3 response.

OSCT Indonesia resources can fulfill several oil spill incident response

## **Summary Lesson Learnt**



#### OIL SPILL COMBAT PLAN & PREPAREDNESS

### OIL SPILL RESPONSE TRAINING



LOGISTIC & STAGING AVAILABILITY MAPPING

**EFFECTIVE RESPONSE STRATEGY** 







24 HOUR EMERGENCY CALL

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**TERIMA KASIH** 

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Спасибо

شكرا لك

**THANK YOU** 

Cảm Ơn

**Kiitos** 

**Gracias** 

ありがとう

고맙습니다

Merci

谢谢



PREPAREDNESS IS KEY TO A SUCCESSFUL RESPONSE