

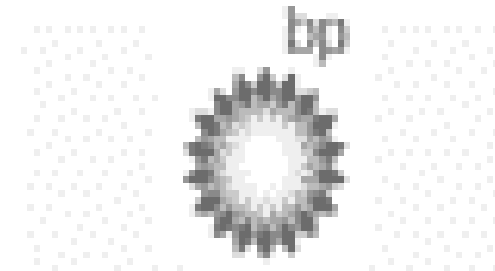
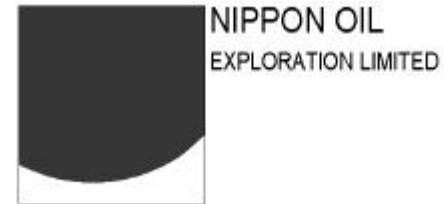
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**PIMMAG/PAJ Joint OSR Exercise**  
**Labuan, Malaysia**  
**10<sup>th</sup> October 2002**  
**Code-name “Exercise TUMAUI”**

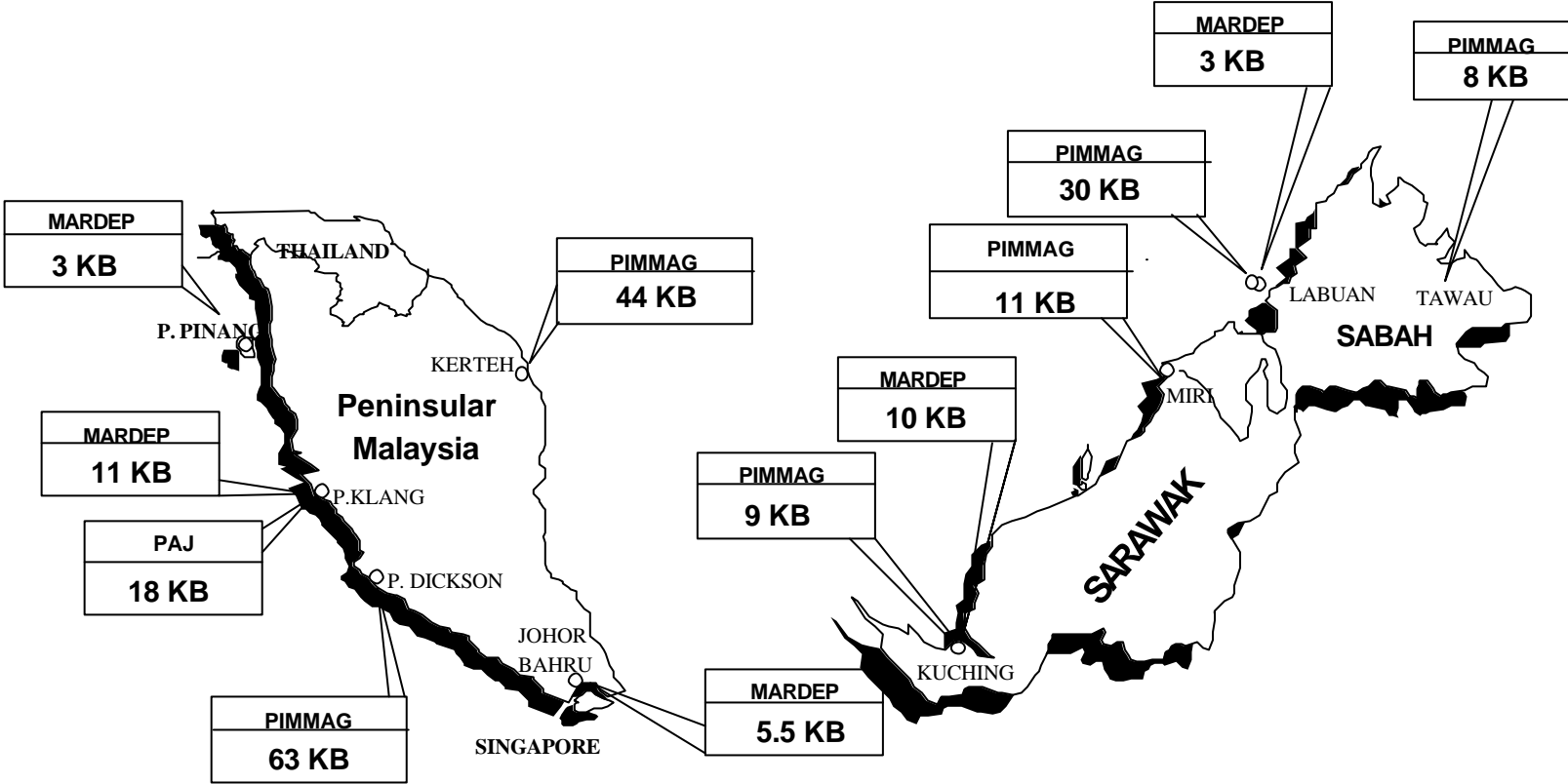
***Presentation by***  
***Capt. Chin Kon Wing***  
***Manager, Operations & Training***  
***PIMMAG***



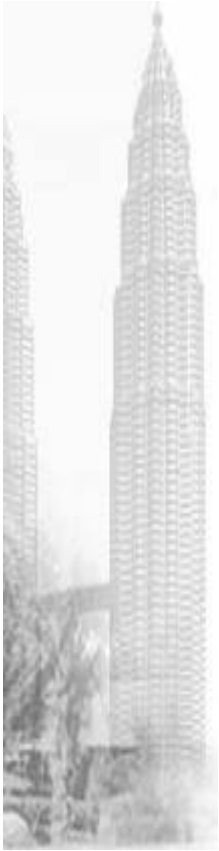
***PIMMAG is a member of PIMMAG Response & Training organisation in Malaysia funded by the major companies.....***



# OSR EQUIPMENT CAPABILITY IN MALAYSIA



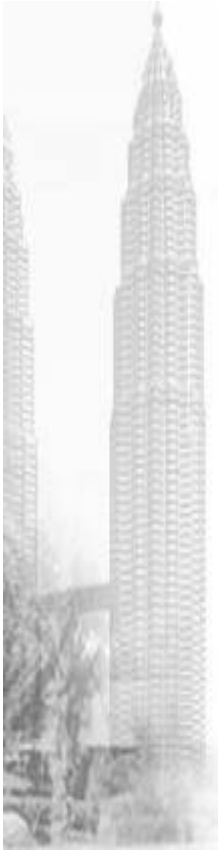
KB - KILO BARREL  
 PAJ - PETROLEUM ASSOCIATION OF JAPAN  
 PIMMAG - PETROLEUM INDUSTRY OF MALAYSIA MUTUAL AID GROUP  
 MARDEP - MARINE DEPARTMENT



## Why PIMMAG / PAJ exercise?

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- ✍ **Malaysia has over 4,800 km of coastline**
- ✍ **Over 60,000 ships transited Malacca Straits yearly**
- ✍ **PIMMAG and PAJ members have vested interest in these ships and their oil cargoes**
- ✍ **In line with their HSE policies**
- ✍ **Last exercise was Aug 2000 at Port Dickson**
- ✍ **Practise make perfect !**



# Objectives

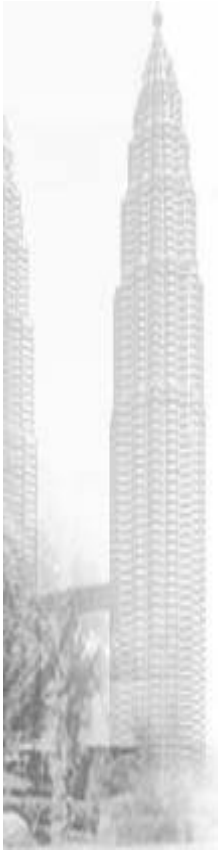
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## *To test*

- ✍ **Interface between PIMMAG & PAJ**
- ✍ **Effectiveness of individual OSR plan**
- ✍ **Knowledge & skills of OSR teams**
- ✍ **Reliability of OSR equipment**
- ✍ **Suitability of available OSR vessels**
- ✍ **Logistics for PAJ equipment**

## *To renew and develop*

- ✍ **OSR network & close co-operation**



# Participants

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## *Primary*

 **PIMMAG**

 **PAJ**  
**PETRONAS**

## *Secondary*

- Shell

-

## *Observers*

 **Dept of Environment**

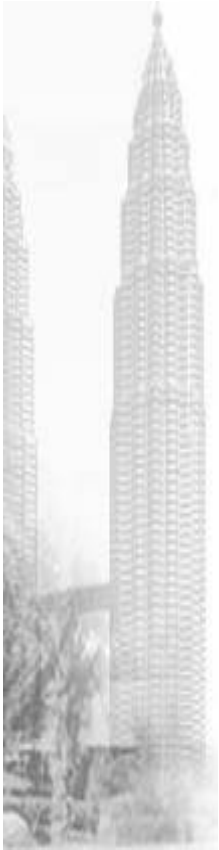
 **Marine Dept**

 **Civil Defence**

 **Marine Police**

 **Fishery Dept**

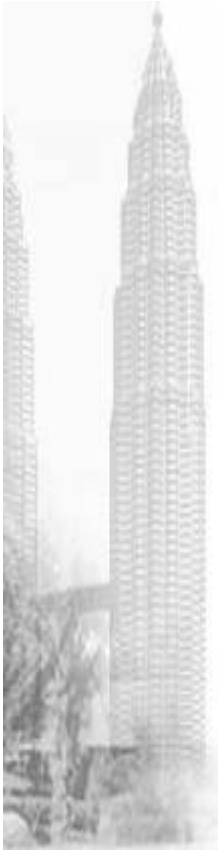
 **Fire Dept**



## Fact File

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- ✍ **First was beach deployment exercise followed by offshore deployment next day**
- ✍ **Offshore deployment conducted in Brunei Bay**
- ✍ **Total nos. participants = 50 excl. boat crew**
- ✍ **2 landing crafts, 2 tugs and 1 support boat**
- ✍ **PAJ equipment of GT-185 skimmer & Vikoma High Sprint boom**
- ✍ **PETRONAS equipment of Auto Boom & skimmer**
- ✍ **Total cost of exercise about US\$15k**

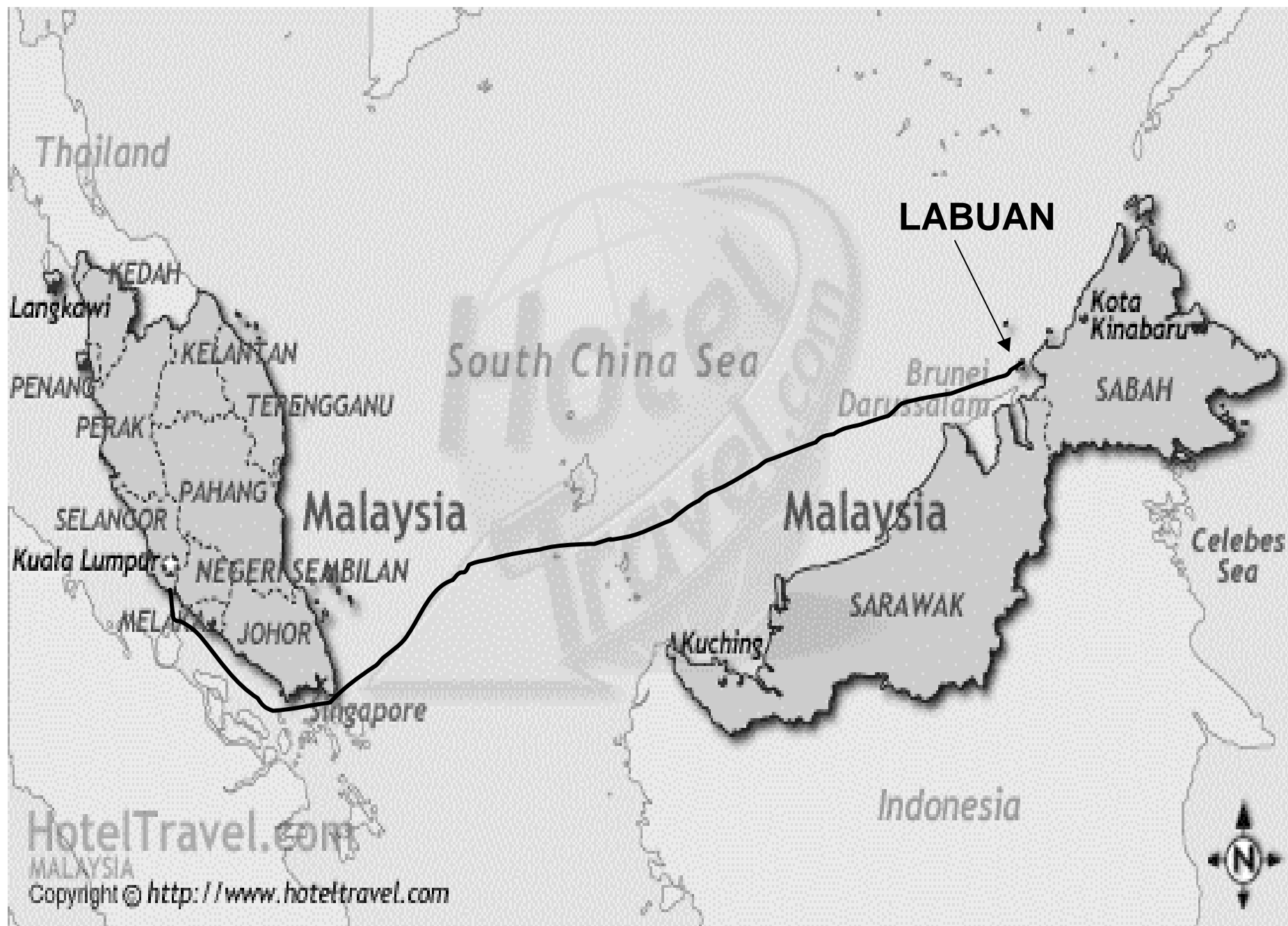


## HSE Management of exercise

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- ✍ **Compliance with member companies HSE management systems**
- ✍ **Communications & procedures established**
- ✍ **Safety briefings to all, including boat crew**
- ✍ **Briefings in English, Malay & Japanese**
- ✍ **Strict enforcement on PPE requirements**
- ✍ **HSE 'STOP WORK POLICY' in force**
- ✍ **Safety Officers & First Aiders on sites**
- ✍ **Keeping a good weather watch**





Thailand

**LABUAN**

South China Sea

Malaysia

Malaysia

Indonesia

Celebes Sea

KEDAH

Langkawi

PENANG

KELANTAN

TERENGGANU

PERAK

PAHANG

SELANGOR

Kuala Lumpur

NEGERI SEMBILAN

MELAKA

JOHOR

Singapore

Brunei Darussalam

Kota Kinabaru

SABAH

SARAWAK

Kuching

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Harbour tug



AHT tug



Mooring Tug



Dedicated OSR vessel



Safety briefing

Labuan warehouse visit





Mobilisation

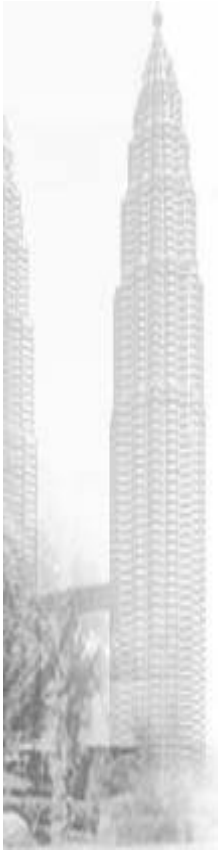
Boom deployment





Beach deployment exercise





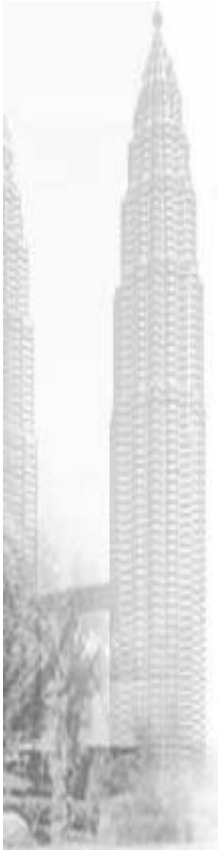
## Observation & comment

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- ✍ **Ideal cost-effective OSR boats not always available**
- ✍ **Ad-hoc hire boat masters & crew not well trained in OSR techniques**
- ✍ **The boats hardware are not of high HSE standards, OSR teams to manage it**
- ✍ **Shipment took 8 days, in real spill would be by air freight to Labuan**
- ✍ **Exercise executed without any incident**
- ✍ **PIMMAG/PAJ networking & co-operation enhanced**
- ✍ **Experienced group dynamics and cross-cultural interactions**

# Question welcome?

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**Fax: 603-2331-4990**  
**Hotline h/p: 019- 31 31 631**  
**chinkonwing@petronas.com.my**

*...and lastly, the dugongs and turtles can't clean for themselves, neither can our future generations. PIMMAG & PAJ are keeping the waters clean for them.*

*....with thanks from Billy the dugong  
& Freddy the turtle....bye-bye*

