

**PROJECT INTRODUCTION SAMARANG REDEVELOPMENT PROJECT**

The Samarang field is located offshore Sabah about 47km north-west of Labuan in Sub-Block 6S-18. It was discovered in 1972 and oil production from the field started in 1975.

Due to the ageing infrastructure and declining production, the Samarang field was forecasted to become uneconomic within 2017 if no further development effort is undertaken. Therefore, additional steps were necessary to extend the field life, while facilitating a more favorable reservoir management strategy.

The proposed Samarang Redevelopment Project - Phase 2 EOR increased the reserve by 25.5MMSTB by the end of 2035. The recovery factor after the implementation is expected to be more than 51%.

**DISCIPLINE**

Survey, Air + Sat Diving and ROV

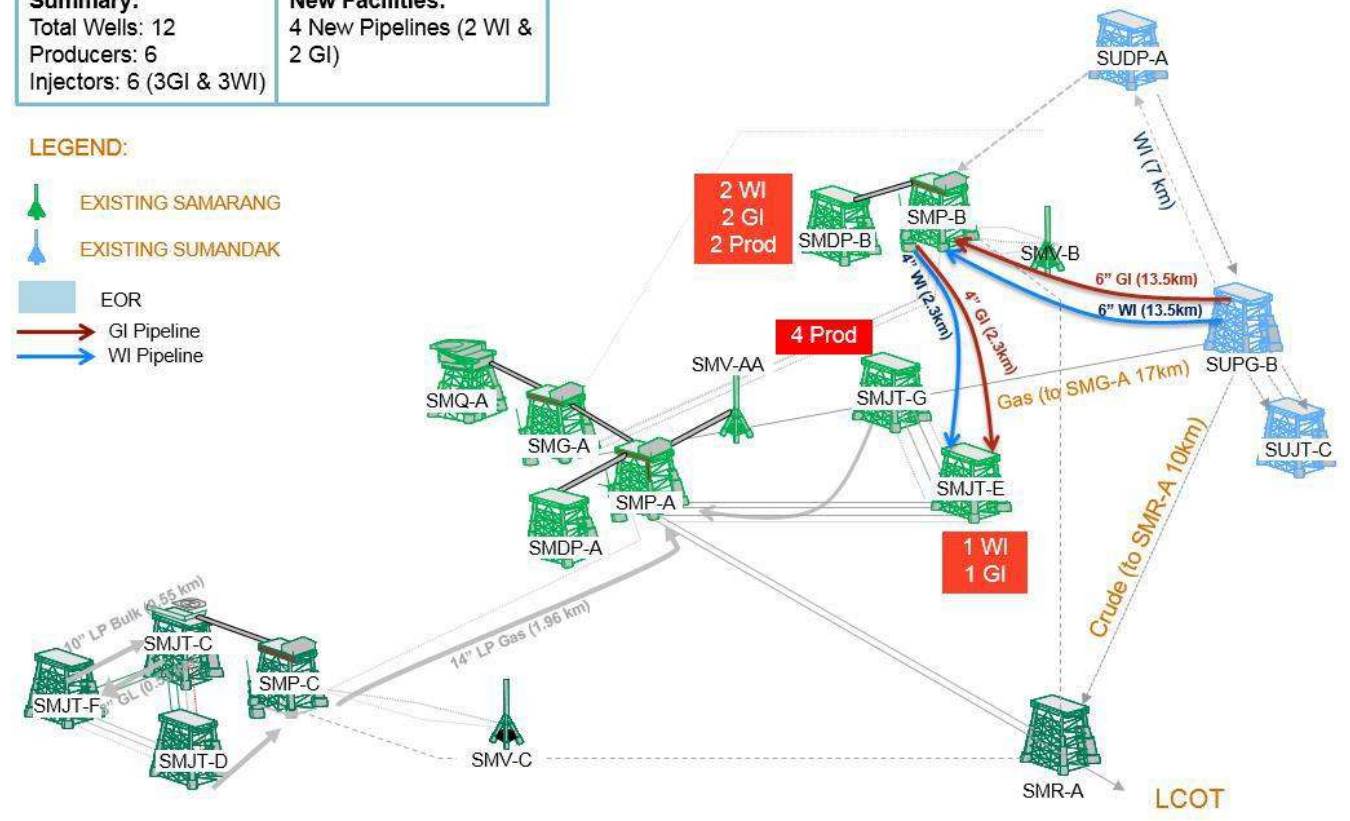
**MAIN SCOPE OF SUPPLY**

DSV Supply, I-Tube and Clamp Installation, Flexi-Lay

<b>Summary:</b> Total Wells: 12 Producers: 6 Injectors: 6 (3GI & 3WI)	<b>New Facilities:</b> 4 New Pipelines (2 WI & 2 GI)
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**LEGEND:**

- EXISTING SAMARANG
- EXISTING SUMANDAK
- EOR
- GI Pipeline
- WI Pipeline



**OUR EXPERTISE**

- Air and Sat Diving
- Hyperbaric / Wet Welding
- ROV Operations
- DSV Supply
- Subsea Engineering
- Subsea NDT IRM
- Creating Dry Space UW
- Underwater Concreting



**DCN AT A GLANCE**

<b>OPERATIONS</b> Worldwide with a focus on North Sea, WAF, UAE and SE Asia. Offices in the Netherlands (headquarters), UK, Germany, Abu Dhabi and Kuala Lumpur. Bases in the Netherlands, Abu Dhabi and Singapore.	<b>CERTIFICATION</b> ISO 9001 – 2015, ISO 14001 – 2015, ISO 45001:2018. SCC / VCA** FPAL (Verified) IMCA In-water Survey Certification	<b>HSE</b> Strong dedication on ZERO harm to people and environment. LTIFR - 0 (IMCA 0,42) TRIR - 0,72 (IMCA 1,67) FAR - 0 (IMCA 0,93) Env. 5L - 0 (IMCA N/A)	<b>PEOPLE</b> 90 FTE's including 32 supervisor / divers. Flexible group of core freelance personnel. Focus on inhouse development, knowledge sharing / training / lessons learned.

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## PROJECT

Samarang Field  
Redevelopment

## LOCATION

Malaysia, Samarang  
Oil Field

## WATER DEPTH

8 - 40 Meter

## PROJECT DURATION

January 2017 - May  
2017

## System

Sat 02 Sat System,  
DSV Norman Baltic,  
Quasar WROV

## SCOPE OF WORK

The Scope of Work Included:

- Mobilization of DSV
- Provision of Hyperbaric Rescue Facilities
- Pre and post installation Survey
- Survey of pipeline crossings
- Installation of Subsea Clamps
- Installation of Subsea Tubes
- Installation of Riser Guards
- Installation of flexible pipeline
- Provision of As-Built documentation.
- Demobilization of COMPANY assets.

## OPERATOR

Petronas Carigali Sdn Bhd

## CLIENT

TechnipFMC

## TOTAL CONTRACT VALUE

€ 9 mln



## PROJECT ACHIEVEMENTS

- ✓ 24751 MAN WORKING HOURS
- ✓ **NO PERSONAL ACCIDENTS**
- ✓ COMPLETED WITHIN SCHEDULE
- ✓ **NO ENVIRONMENTAL SPILLS**
- ✓ NO WEATHER DOWNTIME