



## PTTEP Operation Update for the third quarter of 2018

As of the third quarter of 2018, PTTEP's domestic and international operations altogether sum to 40 projects in 11 countries, with key project highlights as follows;

### Projects in Thailand

*Bongkot Project* achieved the production level as planned. PTTEP has submitted bid proposals for Bongkot (as sole operator). The bidding result is expected within the end of 2018. *The S1 Project* has continuously drilled additional production wells to increase future production levels. Apart from production projects, *Ubon Field of the Contract 4 Project* is in the process of pre-development with expected first production of oil and natural gas by 2022 at planned capacity of 25,000 BPD and 50 MMSCFD (approximately 8,300 BOED), respectively.

### Projects in Southeast Asia

For the producing operations; *The Zawtika Project* in Myanmar has completed production drilling from 2 out of 4 production platforms in Phase 1C aiming to maintain output level. For Q3/2018, natural gas sales averaged 296 MMSCFD (approximately 47,329 BOED) which slightly lower than planned due to monsoon floods and the use of hydropower, instead of natural gas, to generate electricity. However, it is anticipated that the average production volume will reach the level as planned for Year 2018. *The Vietnam 16-1 Project* is currently drilling additional production wells to maintain production plateau.

The exploration phase projects in this region are mainly located in onshore and offshore of Myanmar. *The Myanmar M3 Project* is in the process of commercial framework discussion with the Government of Myanmar and expects to propose the Field Development Plan to the Government of Myanmar within Q4/2018. *The Myanmar MD-7 Project* is under preparation of exploration drilling plan. *The Myanmar M11 Project* is under preparation of exploration drilling plan and is seeking partner to manage the project's risk. *The Myanmar MOGE 3 Project* is under drilling preparation of an exploration well and expected to start the drilling within Q4/2018. *The Sarawak SK410B Project* in Malaysia is currently assessing the fields' resource potential and under preparation to drill an exploration well. *The Vietnam B & 48/95 Project and*

*the Vietnam 52/97 Project* have been granted approval for the Field Development Plan and are currently in the negotiation process on commercial terms in order to push forward the Final Investment Decision (FID) targeting first production by the end of 2022 with ramping up capacity to 490 MMSCFD.

#### Projects in the Americas

*The Mariana Oil Sands Project* in Canada is under the consideration of the project development plan to suit with current circumstance. *The Barreirinhas AP1 Project* and *the Brazil BM-ES-2 3 Project* in Brazil are currently studying the petroleum potential for future development plan. *The Mexico block 12 (2.4) Project* and *the Mexico block 29 (2.4) Project* are now under preparation of exploration plan with submission timeline to the Mexico National Commission Hydrocarbon within Q4/2018.

#### Projects in Australia

PTTEP has 1 project in this region, PTTEP Australasia Project, comprising of 10 permits. *The Montara Field* has the average sales volume for Q3/2018 of 7,252 BPD. *The Cash Maple Field* is in the exploration phase. The project has completed the Pre-FEED study and is under the evaluation of appropriated development plan.

#### Projects in Africa

*The Algeria Hassi Bir Rekaiz Project* has granted the approval of development plan from the Algerian government in April 2018. The project's development plan is divided into 2 phases. The first phase capacity of around 10,000-13,000 BPD is expected to start production within 2020 with a plan for the second phase production capacity ramping up to around 50,000-60,000 BPD in 2024. *The Mozambique Rovuma Offshore Area 1 Project* has made a significant progress during Q3/2018 including the site preparation activities to support onshore LNG liquefaction plant construction, the completion of contractor selection for offshore installation. The project is now under negotiation on construction agreement of onshore LNG plant and the finalization and signing of other long term LNG Sale and Purchase Agreements (SPAs) with potential buyers. In parallel, the project is negotiating for project finance with financial institutions in order to support the Final Investment Decision (FID) in the 1H2019, with planned first phase of production at 12 MTPA starting in 2023.