Fugro secures more work in Timor-Leste alongside new contract in Australia

September 24, 2026, by Nadja Skopljak in Offshore Energy

Dutch Fugro has secured additional survey contracts offshore Timor-Leste that will support the planning and development of critical offshore energy infrastructure associated with two gas developments.

In addition to the geophysical contract announced in July (https://www.offshore-energy.biz/fugro-to-start-offshore-survey-program-in-timor-leste-this-year/), Fugro has secured two further awards from Timor-Leste's Ministry of Petroleum and Mineral Resources (MPRM) in support of the Greater Sunrise TLNG development and Bayu-Undan Pipelines Highway projects.

The awards comprise a six-month geotechnical survey and a twelve-month metocean survey as part of the wider survey campaign for the proposed pipeline routes, expected to start in the first quarter of 2027, following the geophysical work in the third quarter of 2026.

The campaign will support the Greater Sunrise Gas Export Pipeline from the Greater Sunrise field to Timor-Leste for the TLNG development planned at Natarbora on the south coast of Timor-Leste, and the Bayu-Undan Pipeline Highway to Natarbora.

The aim of the surveys is to provide a comprehensive understanding of seabed and subsurface conditions along the proposed corridors to inform route selection and future engineering.

The project will be supported by Fugro's Remote Operations Centre in Kuala Lumpur, Malaysia.

Safri Drahman, Fugro's APAC Regional Business Line Director, said: "*Winning the geophysical, geotechnical and metocean contracts reflects our ability to deliver fully integrated site characterisation solutions for complex deepwater developments. By combining our expertise with deepwater technologies, we can provide high-quality Geo-data and engineering insights to support informed decision-making, reduce project risk, and advance the Greater Sunrise and Bayu Undan developments in Timor-Leste.*"

Bayu-Undan is a gas-condensate field located 250 kilometers south of East Timor, within Timor-Leste's maritime exclusive jurisdiction. It commenced production in 2004, with the companies behind the project having secured a seventh extension of the term of the production sharing contract (PSC).

The Greater Sunrise development, located approximately 140 kilometers south of Timor-Leste, comprises the Sunrise and Troubadour gas and condensate fields. Discovered in 1974, the complex holds resources of 5.1 trillion cubic feet of gas and 226 million barrels of condensate. The project is expected to start producing natural gas by 2028-2030. Partners in the project are TIMOR GAP with 56.56%, Woodside Energy with 33.44% and Osaka Gas with 10%.

The announcement comes shortly after Fugro secured a marine asset integrity contract in Australia for the replacement of critical subsea infrastructure to support the long-term reliability and performance of the client's offshore assets, as well as the provision of subsea survey and inspection services using remote operations capabilities.

Offshore operations will be carried out from Fugro's multipurpose support vessel Fugro Etive.

The contract follows an initial phase of engineering and planning activities with detailed engineering to begin in the coming weeks. Offshore operations are expected to commence towards the end of 2027.

Fugro to start offshore survey program in Timor-Leste this year

July 17, 2026, by Nadja Skopljak in Offshore Energy

Dutch Fugro has won a contract to perform a survey program offshore Timor-Leste that will support the planning and development of critical offshore energy infrastructure associated with two gas developments.



Source: Fugro

Fugro will deliver an extensive offshore site characterization program, including geophysical, seismic and autonomous underwater vehicle (AUV) surveys for the Greater Sunrise and Bayu Undan developments at a survey area that includes deepwater areas with water depths exceeding 3,000 meters.

The program will provide comprehensive seabed intelligence and geotechnical insights to support pipeline routing, engineering design, geohazard assessment, and the safe execution of offshore operations.

Fugro will use AUV technology with real-time support from its remote operations centers to execute the work. Survey data will be processed and quality-controlled through the company's regional data centers in Kuala Lumpur, Malaysia, and Perth, Australia.

Project mobilization and planning activities are expected to begin in the third quarter of 2026, with offshore survey operations to begin in the fourth quarter. The offshore campaign is expected to run for approximately three months and will include geophysical, seismic, AUV and environmental survey activities across both development areas.

"This award reflects our client's confidence in Fugro's ability to execute complex offshore survey programmes in challenging marine environments," said **Safri Drahman**, APAC Regional Business Line Director at Fugro. *"By combining advanced geophysical, seismic and AUV technologies with our strong regional expertise, we will deliver the critical Geo-data needed to support the safe and successful development of this strategically important energy infrastructure."*

The Bayu-Undan is a gas-condensate field located 250 kilometers south of East Timor, within Timor-Leste's maritime exclusive jurisdiction. It commenced production in 2004, with the companies behind the project having secured a seventh extension of the term of the production sharing contract (PSC).

The Greater Sunrise development, located approximately 140 kilometers south of Timor-Leste, comprises the Sunrise and Troubadour gas and condensate fields. Discovered in 1974, the complex holds resources of 5.1 trillion cubic feet of gas and 226 million barrels of condensate. The project is expected to start producing natural gas by 2028-2030. Partners in the project are TIMOR GAP with 56.56%, Woodside Energy with 33.44% and Osaka Gas with 10%.

MPRM announces major offshore survey contract awards for Greater Sunrise and Pipeline Highway Projects

Filomeno Martins

DÍLI, 25 September 2026 (TATOLI) – The Ministry of Petroleum and Mineral Resources (MPRM) has awarded three major offshore survey contracts to support the continued development of the Greater Sunrise Project and the Pipeline Highway Project, marking another important step towards bringing Timor-Leste's natural gas resources to the south coast and advancing the development of a domestic LNG industry.

The contracts comprise a Light Geotechnical Survey awarded to PT. Taka Hydrocore Indonesia, and a Heavy Geotechnical Survey and Metocean Survey awarded to Fugro Singapore Marine PTE LTD.

The surveys will be undertaken in Timorese waters off the south coast of Timor-Leste, across water depths ranging from 20 metres to 3,000 metres.

The work will provide essential technical data to support the development and design of the proposed Greater Sunrise pipeline from the Greater Sunrise Joint Development Area to Natarbora, as well as the Pipeline Highway from the Bayu-Undan Field to Natarbora.

The Light Geotechnical Survey will acquire and assess geotechnical samples up to six metres below the seabed to support pipeline route selection and design. PT. Taka Hydrocore Indonesia is scheduled to commence the offshore survey campaign in January 2027.

The Heavy Geotechnical Survey will be undertaken by Fugro Singapore Marine PTE LTD and will acquire geotechnical samples up to 50 metres below the seabed. The survey will support the identification and assessment of geohazards, pipeline route selection and future pipeline system design, with offshore activities scheduled to commence in February 2027.

Fugro Singapore Marine PTE LTD has also been awarded the Metocean Survey. The survey will collect metocean data over a 12-month period to support future pipeline system design, with equipment deployment scheduled to commence in January 2027.

These latest awards follow MPRM's award of the Geophysical Survey Contract to Fugro Singapore Marine PTE LTD in July 2026, which is also supporting the progression of the Greater Sunrise and Pipeline Highway Projects.

Through these offshore survey programmes, MPRM continues to advance both projects in parallel towards the next stage of development. Front-End Engineering Design activities for the Greater Sunrise and Pipeline Highway Projects are expected to commence in 2027, supporting the Government's objective of establishing the infrastructure required to bring natural gas to Timor-Leste's south coast and contribute to the country's long-term economic and industrial development.

MPRM-Empreza Fugro selebra akordu kona-ba “Heavy Geotechnical Investigation”



Ministériu Petróleu no Rekursu Minerál (MPRM) ho Empreza Fugro Singapore Marine Pte, kinta ne’e, selebra akordu ba realizasaun servisu Heavy Geotechnical Investigation no Light Geotechnical Investigation ba rota pipeline Greater Sunrise no Bayu Undan mai Timor-Leste. Foto/Mídia MPRM

DILI, 24 Setembru (TATOLI)—Ministériu Petróleu no Rekursu Minerál (MPRM) ho Empreza Fugro Singapore Marine Pte, kinta ne’e, selebra akordu ba realizasaun servisu *Heavy Geotechnical Investigation no Light Geotechnical Investigation* ba rota pipeline Greater Sunrise no Bayu Undan mai Timor-Leste.

Ministru Petróleu no Rekursu Minerál, Francisco da Costa Monteiro, hateten kontratu rua ne’e envolve servisu investigasaun jeotekniku iha tasi, inklui foti amostra husi fundu tasi atu halo análize laboratóriu ba fatin ne’ebé sei tau pipeline.

“Servisu ne’e presiza ekipamentu no navio espesializadu tanba investigasaun sei hala’o iha área tasi,” Francisco da Costa Monteiro dehan ba jornalita sira bainhira ramata asina akordu ho Empreza Fugro Singapore Marine Pte iha aról, ohin.

Nia dehan, kontratu ne’e hetan liuhusi prosesu aprovizionamentu ne’ebé lidera husi Komisaun Nasionál Aprovizionamentu (CNA), hamutuk ho ekipa MPRM, hodi hili Empreza ne’ebé iha kapasidade atu hala’o servisu ne’e.

Nia hateten, MPRM mós asina kontratu ho Fugro ba servisu jeofíziku iha inísiu tinan 2026, no servisu jeofíziku sei hahú iha fulan-Novembru.

Enkuantu servisu jeotekniku sei hahú iha fulan-Fevereiru 2027, ho implementasaun ba prosesu akizisaun dadus tomak sei lori tempu besik tinan ida.

Iha Fatin hanesan, Diretór Rejionál Fugro ba Negósiu Karáterizasaun Sítios Marinhos iha Ázia-Pasífiku, Safri Drahman, hateten Empreza Fugro no parseiru Governu sira atinje akordu no asina kontratu daruak ba servisu levantamentu tékniku no survey iha futuru.

“Antes ne’e, kontratu dahuluk kona-ba survey jeofíziku mós asina ona iha inísiu tinan 2026. Iha projetu ne’e, Fugro sei uza teknolojia foun ba perfurasaun *seafloor* drillingatu hala’o servisu tékniku iha área ho profundidade bee liu metro 3.000. Servisu sei kobre pipeline rua ne’ebé liga área Greater Sunrise ho Timor-Leste,” Safri Drahman hateten.

Nia afirma, projetu ne’e sei hahú iha Novembru 2026 ho survey jeofíziku, no kontinua ho survey jeotékniku iha inísiu 2027. Prosesu akizisaun dadus iha kampu tomak sei lori besik tinan ida atu kompleta.

“Ami mós promete katak servisu sei hala’o ho profisionál, seguru no responsável, ho atensaun boot ba protesaun ambiente máritimu durante atividade hotu-hotu,” nia dehan.

Offshore

Fugro expands Timor Sea survey program for Greater Sunrise, Bayu-Undan pipelines

Fugro will conduct geotechnical and metocean surveys supporting pipeline route planning for the Greater Sunrise TLNG development and Bayu-Undan Pipeline Highway in the Timor Sea.

Jeremy Beckman Related To: Fugro Sept. 30, 2026 2 min read ADD US ON GOOGLE

Contributors: Ariana Hurtado

Why this news matters:

- The surveys are a key early step toward advancing the long-delayed Greater Sunrise gas development.
- Data collected will help de-risk pipeline routing and future engineering decisions in water depths reaching 3,000 m.
- The awards expand Fugro's role in a major offshore energy development for Timor-Leste.



Fugro survey vessel operations in the Timor Sea will support geotechnical and metocean investigations for proposed pipeline infrastructure associated with the Greater Sunrise and Bayu-Undan developments.

Fugro has gained further commissions from Timor-Leste's Ministry of Petroleum and Mineral Resources to support the Greater Sunrise TLNG development and Bayu-Undan Pipeline Highway projects in the Timor Sea.

The Greater Sunrise and Bayu-Undan projects are central to Timor-Leste's efforts to develop offshore gas resources and associated export infrastructure.

The new awards, following the geophysical survey contract in mid-July, cover a large-scale geotechnical survey and a metocean survey related to the proposed pipeline routes.

Greater Sunrise TLNG development

- **Location:** Timor Sea
- **Operator group:** Greater Sunrise Joint Venture
- **Scope:** Proposed gas export pipeline and LNG development
- **Landfall:** Natarbora, Timor-Leste
- **Water depth:** Up to 3,000 m
- **Current phase:** Route characterization and environmental data gathering

Fugro said its campaign would support planning for the Greater Sunrise gas export pipeline from the Greater Sunrise Field to Timor-Leste for the proposed TLNG development at Natarbora on the country's south coast of Timor-Leste, and the Bayu-Undan Pipeline Highway to Natarbora.

The results should give a clearer picture of seabed and subsurface conditions along the pipeline corridors to inform route selection and future engineering.

Why Greater Sunrise matters:

The Greater Sunrise fields are among the largest undeveloped gas resources in the Timor Sea and have been the focus of development discussions between Timor-Leste and project stakeholders for many years.

Fugro expects to start the six-month geotechnical and 12-month metocean survey field work during first-quarter 2027, after the geophysical component in the current quarter.

It will deploy the geotechnical Seafloor Drill and SeaScout 35 MKII Cone Penetration Testing systems to compile information in the Timor Trough region, where water depths are up to 3,000 m.

Fugro's Remote Operations Centre in Kuala Lumpur will provide support, enabling real-time collaboration between offshore and onshore teams.

MPRM no PT Taka asina akordu ba investigasaun rota pipeline Greater Sunrise no Bayu-Undan

DILI, 24 Setembru (TATOLI) – Ministériu Petróleu no Rekursu Mineral (MPRM) no empreza PT Taka Hydrocore, husi Indonézia, asina akordu ba realizasaun *Light Geotechnical Investigation* ba rota *pipeline Greater Sunrise no Bayu-Undan* mai Timor-Leste.

Ministru Petróleu no Rekursu Minerál, Francisco da Costa Monteiro, hatete akordu ne'e atu kontinua estudu detallu ba investigasaun mariña ne'ebé envolve ró-ahi sira bá foti amostra iha tasi Timór tuir dalan kadoras nian atu mai iha Natarbora.

Nia esplika katak PT Taka sei hala'o atividade diferente ho empreza *Fugro Singapore Marine Pte*.



Ministru Petróleu no Rekursu Minerál, Francisco da Costa Monteiro, no Diretór-Ezekutivu PT Taka, Syukri Fitrialdi, asina akordu akordu kona-ba "Light Geotechnical Investigation". Foto/Mídia MPRM

"Ne'e sira bolu Light Geotechnical Survey, atu permite kompañia bele halo serbisu durante fulan neen nia laran, depois orsida nia rezultadu mak sei inkorpora filafali ho dezeñu prosede ba finalizasaun fonte LNG ikus mai bele avansa ba konstrusaun", nia hatete hafoin asina akordu hamutuk ho PT Taka *Hydrocore*, iha edifísiu MPRM, Faról Dili, ohin.

Akordu *Light Geotechnical* iha komponente espesífiku ketak ida peskiza iha tasi laran hodi haree rota kadoras *Greater Sunrise* no Bayu-Undan. Ministru esplika katak ida-ne'e sei rekolla dadus barak hodi analiza ikus mak bele hatene ninia rota ne'e.

"Di'ak ka la'e, iha risku ruma karik dalan ba kadoras atu liu ne'e, keta iha rai ruma iha poténsia monu karik, sira-nia investigasaun orsida ekipa espesialista sira sei foti fali dadus ne'e hodi analiza filafali, ikus mai hatene katak bele tau pipline iha ne'e", nia dehan.

Ministru informa katak atividade ne'e finansia ho orsamentu millaun $10-resin.

Iha fatin hanesan, Diretór-Ezekutivu PT Taka, Syukri Fitrialdi, agradese ba Governu, liuhusi MPRM hodi partisipa iha serbisu ne'e iha Timor-Leste. Empreza sei halo peskiza ba rota *pipeline* ho ekipamentu no serbisu tékniku iha área ee liu metru 3.000.

"Ami iha kompromisu ba pojetu ne'e ho profisionál tanba ne'e importante ba dezenvolvimentu Timor-Leste", nia afirma.

Empreza ne'e iha esperiénsia tinan 20 iha setór referidu no antes ne'e hala'o atividade hanesan iha nasaun lubun ona.

Jornalista: Nelson de Sousa Editora: Maria Auxiliadora

After Fugro, TDI-Brooks selected for surveys offshore Timor-Leste

Offshore Energy, 30 Sep 2026--Timor-Leste's Ministry of Petroleum and Mineral Resources (MPRM) has selected TDI-Brooks, in partnership with Taka Hydrocore Indonesia (THI), to carry out a light geotechnical and environmental baseline survey program in the country's waters.

TDI-Brooks' DP2 research vessel Nautilus will be deployed for the program that will provide data to support the routing of the gas export pipeline from the Greater Sunrise field to Natarbora on the south coast, as well as the Bayu-Undan Pipeline Highway to Natarbora, as part of the planned TLNG development.

According to the U.S.-headquartered firm, the survey will deliver critical geotechnical data to support pipeline routing, engineering design, and geohazard assessment for offshore development activities.

The geotechnical scope will include approximately 508 seabed tests, consisting of gravity CPTs (gCPT), piston cores , box cores, and cyclic T-bar measurements, while the environmental baseline study will cover 16 provisional stations, including the collection of 40 sediment samples and 40 water samples.

Field operations are expected to start in mid-January 2027.

Fugro has also been appointed to deliver surveys for the two gas developments.

Bayu-Undan is a gas-condensate field located 250 kilometers south of East Timor, within Timor-Leste's maritime exclusive jurisdiction. It commenced production in 2004, with the companies behind the project having secured a seventh extension of the term of the production sharing contract (PSC).

The Greater Sunrise development, located approximately 140 kilometers south of Timor-Leste, comprises the Sunrise and Troubadour gas and condensate fields. Discovered in 1974, the complex holds resources of 5.1 trillion cubic feet of gas and 226 million barrels of condensate. The project is expected to start producing natural gas by 2028-2030. Partners in the project are TIMOR GAP with 56.56%, Woodside Energy with 33.44% and Osaka Gas with 10%.



MPRM announces major offshore survey contract awards for Greater Sunrise and Pipeline Highway Projects

Filomeno Martins

DÍLI, 25 September 2026 (TATOLI) – The Ministry of Petroleum and Mineral Resources (MPRM) has awarded three major offshore survey contracts to support the continued development of the Greater Sunrise Project and the Pipeline Highway Project, marking another important step towards bringing Timor-Leste's natural gas resources to the south coast and advancing the development of a domestic LNG industry.

The contracts comprise a Light Geotechnical Survey awarded to PT. Taka Hydrocore Indonesia, and a Heavy Geotechnical Survey and Metocean Survey awarded to Fugro Singapore Marine PTE LTD.

The surveys will be undertaken in Timorese waters off the south coast of Timor-Leste, across water depths ranging from 20 metres to 3,000 metres.

The work will provide essential technical data to support the development and design of the proposed Greater Sunrise pipeline from the Greater Sunrise Joint Development Area to Natarbora, as well as the Pipeline Highway from the Bayu-Undan Field to Natarbora.

The Light Geotechnical Survey will acquire and assess geotechnical samples up to six metres below the seabed to support pipeline route selection and design. PT. Taka Hydrocore Indonesia is scheduled to commence the offshore survey campaign in January 2027.

The Heavy Geotechnical Survey will be undertaken by Fugro Singapore Marine PTE LTD and will acquire geotechnical samples up to 50 metres below the seabed. The survey will support the identification and assessment of geohazards, pipeline route selection and future pipeline system design, with offshore activities scheduled to commence in February 2027.

Fugro Singapore Marine PTE LTD has also been awarded the Metocean Survey. The survey will collect metocean data over a 12-month period to support future pipeline system design, with equipment deployment scheduled to commence in January 2027.

These latest awards follow MPRM's award of the Geophysical Survey Contract to Fugro Singapore Marine PTE LTD in July 2026, which is also supporting the progression of the Greater Sunrise and Pipeline Highway Projects.

Through these offshore survey programmes, MPRM continues to advance both projects in parallel towards the next stage of development. Front-End Engineering Design activities for the Greater Sunrise and Pipeline Highway Projects are expected to commence in 2027, supporting the Government's objective of establishing the infrastructure required to bring natural gas to Timor-Leste's south coast and contribute to the country's long-term economic and industrial development.

Governu avansa ho estudu tékniku foun sira ba rota (dalan) husi kadoras Greater Sunrise no Bayu-Undan nian

Iha loron 24 fulan-setembru tinan 2026, iha Dili, Governu, liuhosi Ministériu Petróleu no Rekursus Minerais, asina kontratu foun sira ba realizasaun estudus téknikus tuir iha rota (dalan) sira ne'ebé planeia ona ba kadoras Greater Sunrise no Bayu-Undan nian mai Timor-Leste. Kontratu sira ne'e kobre peskiza jeotéknika no levantamentu sira seluk ne'ebé ho objetivu atu hakle'an liután koñesimentu kona-ba kondisaun tasi-okos no rai okos tasi nian, no mós apoia definisaun rota (dalan) no dezenvolvimentu projetu sira ne'e iha futuru.

Kontratu sira ne'e asina ho Fugro Singapore Marine Pte no kompañia indonézia PT Taka Hydrocore, no mós nu'udar kontinuidade ba programa estudu sira kona-ba área marítima nian ne'ebé planeia ba instalasaun infraestrutura transporte gás nian to'o Natarbora, iha kosta súl Timor-Leste nian.

Serbisu ne'e sei permite atu halibur no analiza dadus kona-ba karakterístika sira husi tasi-okos no rai-okos tasi nian iha korredór sira ne'ebé planeia ba kadoras, inklui iha área sira ho kle'an ne'ebé atinje maizumenus metru rihun tolu. Informasaun ne'ebé halibur sei uza atu avalia kondisaun rota (dalan) nian, identifika poténsia risku sira, no mós apoia faze enjeñaria no dezeñu sira tuirmai ba projetus ne'e.

Ministru Petróleu no Rekursus Minerais, Francisco da Costa Monteiro, esplika katak estudu sira ne'e inklui halibur amostras husi tasi okos liuhusi ekipamentu no ró espesializadu sira. Rezultadu sira ne'e tuir mai sei analiza atu determina karakterístika no viabilidade hosi rota (dalan) sira ne'ebé propoin.

Francisco Monteiro hatete katak ninia objetivu atu determina "se rota (dalan) ne'e adekuadu ka lae, karik iha risku sira iha dalan ne'ebé mak kadoras sei liu ba, ka karik iha área sira ne'ebé iha poténsia rai-halai. Tuir mai, ekipa espesialista sira sei halibur no analiza fali dadus ne'e atu determina karik bele instala kadoras iha fatin ne'ebá".

Iha ámbitu serbisu sira ne'ebé adjudika ba Fugro, planeia ona uza teknolojia espesializada sira ba perfurasaun no peskiza iha tasi-okos. Serbisu hirak-ne'e komplementa levantamentu jeofíziku ne'ebé uluk kontrata empreza hanesan, ne'ebé prevee sei hahú iha fulan-novembru tinan 2026. Peskiza jeotéknika tenke hahú iha trimestre dahuluk tinan 2027, ho planu rekolla dadus ida ne'ebé inklui períodu ezekusaun ne'ebé la hanesan, depende ba serbisu ne'ebé atu hala'o.

Kontratu ho PT Taka Hydrocore prevee atu hala'o peskiza jeotéknika espesífika ida durante maizumenus fulan neen. Tuir Ministru, dadus ne'ebé hetan sei inkorpora iha servisu dezeñu no enjeñaria ne'ebé presiza molok faze dezenvolvimentu infraestrutura sira tuirmai.

"Kontratu ida-ne'e fó dalan ba empreza atu hala'o servisu ne'e durante fulan neen. Hafoin hetan tiha rezultadu husi peskiza, dadus hirak-ne'e sei uza hodi korrije no kompleta projetu sira ne'ebé presiza, molok tama ba faze finál engineering design, atu nune'e, tuir mai, bele hakat ba konstrusaun no implementasaun projetu hirak ne'e", esplika Ministru Francisco da Costa Monteiro.

Estudu foun sira-ne'e halo parte iha prosesu tékniku preparasaun infraestrutura ne'ebé planeia atu lori gás husi Greater Sunrise no Bayu-Undan mai Timor-Leste, no mós sei fornese dadus ba definisaun rota (dalan) no ba etapa enjeñaria sira tuir mai husi projetu sira ne'e.

url: https://timor-leste.gov.tl?lang=tp&p=52186

MPRM hahú peskiza jeotéknika ba projetu petrolíferu iha Natarbora

MANATUTU, 1 Outubru 2026 (TATOLI) — Ministériu Petróleu no Rekursu Minerál (MPRM) iha kinta ne'e, halo lansamentu ba investigasaun jeoténika hodi rekolla dadus kona-ba kondisaun rai no rai okos ho objetivu halo dezenvolvimentu ba futuru infraestrutura energjétika.

Atividade ne'e halo iha Natarbora, postu administrativu Barique, Munisípiu Manatutu, ho objetivu apoia estudu tékniku sira tuir iha rota (dalan) sira ne'ebé planeia ona ba kadoras *Greater Sunrise* no *Bayu-Undan* nian mai Timor-Leste.

Peskiza ne'e responsabiliza husi empreza *joint venture PT Taka Hydrocore*, husi Indonésia, no *Earth Geophysical Science* (EGS) Timor-Leste, ho objetivu atu halibur dadus kona-ba kondisaun rai, ne'ebé sei sai baze ba estudu enjeñaria no planeamentu infraestrutura industriál sira ne'ebé Governu planeia atu dezenvolve iha Natarbora.

Lansamentu ne'e halo husi Koordenadór-Jerál Unidade Projetu Natarbora *Downstream*, Krispin Fernandes, reprezenta Ministru Petróleu no Rekursu Minerál, Francisco Monteiro, Administradór Postu Administrativu Barique-Natarbora, José Ramos, reprezentante *PT. Taka Hydrocore* no EGS Timor-Leste, Djuara Situmeang ho Vicente Maubosi, líder komunitária, komunidade lokál no lia-nain.

Iha okaziaun, Krispin Fernandes esplika katak lansamentu investigasaun jeoténika ne'e marka inísiu husi prosesu investigasaun enjeñaria atu halo karakterizasaun ba kondisaun rai iha fatin ne'ebé sei konsidera ba instalasaun infraestrutura enerjétika.

Tuir nia, iha perfurasaun balun husi rai leten too rai okos kuaze metru 20 nia profundidade, enkuantu sira seluk ho 40. Nia esplika, perfurasaun ne'e sei foti amostra rai kada metru ida ka rua no informasaun sira ne'e sei tau hamutuk no lori ba laboratóriu hodi halo teste ba nia parámetru fíziku, parámetru kímiku no parámetru sira seluk tan.

"Rezultadu hirak ne'e sei ajuda atu halo karakterizasaun ba área Natarbora no determina se kondisaun rai apropriadu ka lae atu simu futura infraestrutura industriál," nia dehan.

Krispin esplika, investigasaun ne'e importante tebes, tanba infraestrutura sira ne'ebé sei konstrui iha Natarbora sei presiza fundasaun ne'ebé forte no adekuadu ho kondisaun rai. Dadus husi investigasaun sei ajuda enjeñeiru sira atu determina tipu fundasaun ne'ebé presiza, inklui posibilidade uza *piling* ka estaka ba estrutura todan sira.

"Ida ne'e mak intensaun husi investigasaun jeotéknika ne'e hodi nune'e bele fó serteza mai ita katak bainhira ita halo planta LNG [Liquified Natural Gas] iha ne'e, fatin ne'e seguru ka lae no ita bele hatene kustu hirak mak ita bele uza ba konstrusaun planta sira iha Natarbora", esplika.

Krispin Fernandes haktuir, planta ba projetu ne'e presiza rai 2.000 too 3.000 hektares konforme rai ne'ebé Governo indika ona. Maibé, dirijente ne'e rekoñese katak ida ne'e seidauk iha serteza katak hektares hirak mak atu indika ba projetu ne'e, tanba sei halo investigasaun ka levantamentu dadus topografia no levantamentu dadus sira seluk.

Hafoin investigasaun jeotéknika ne'e remata, MPRM sei halo levantamentu dadus rai nian ne'ebé tuir informasaun preliminar husi empreza austaliana *Woodside* nia estimasaun, konstrusaun planta LNG presiza rai hektares 500, enkuantu medida rai ba planta sira seluk hanesan petrokímia no refinaria no sira seluk tan sei iha prosesu estimasaun kona-ba área hirak mak sei utiliza hodi halo konstrusaun.

Krispin Fernandes otimiza katak peskiza jeoteknika ne'e sei hetan rezultadu pozitivu, tanba tuir nia, teste ne'e sempre iha rezultadu liuhusi foti amostra hodi lori ba halo teste laboratoriál.

"Teste ne'e importante hodi hatene estrutura rai ne'e husi metru ida ba leten eziste saida no tipu rai ne'e rai henek ka fatuk ka tahu. Husi amostra rai ne'e mak bele ajuda bainhira halo dezeñu enjeñaria hodi define estrutura rai ne'ebé adeakuadu ba konstrusaun planta. Intensaun hosi investigasaun jeoténika ne'e atu fó serteza mai ita katak bainhira ita halo planta LNG iha ne'e, fatin ne'e seguru ka lae, no ita bele hatene kustu hirak ne'ebé presiza ba konstrusaun planta sira iha Natarbora," nia dehan.

Iha fatin hanesan, Reprezentante *PT Taka Hydrocore*, Djuara Situmeang, destaka importánsia peskiza jeotéknika hodi halo konstrusaun ba planta LNG.

Tuir Djuara Situmeang, se rai nia kapasidade la sufisiente, enjeñeiru sira presiza define solusaun fundasaun apropriada, inklui sistema perfurasaun ho profundidade no dimensaun ne'ebé tuir kondisaun rai.

Durante perfurasaun, sei foti amostra rai atu hatene tipu no estrutura rai iha profundidade oioin. Amostra hirak ne'e sei ajuda atu identifika se rai ne'e kompostu hosi rai-henek, fatuk, tahu ka materiál sira seluk.

Além hosi tipu rai, investigasaun mos sei determina nia forsa no propriedade mekánika ne'ebé importante ba dezeñu fundasaun no infraestrutura.

Dirijente hateten, amostra rai ne'ebé foti iha Natarbora sei lori ba laboratóriu empreza nian iha Ciputat, Jakarta, Indonézia. Teste ne'e sei inklui avaliasaun ba propriedade fízika, mekánika no kímika.

"Dadus kímiku mos importante atu haree relasaun entre rai no estrutura betão, no atu determina sistema protesaun ba infraestrutura," nia dehan.

Enjiñeiru ne'e konsidera karak investigasaun ne'e importante la'ós de'it atu hatene materiál no kondisaun rai, maibé mos ba kustu finanseiru. Bainhira la hatene kondisaun rai, estrutura bele sai boot liu no kustu mos aumenta.

Servisu peskiza ne'e sei kontinua to'o dezembru 2026, enkuantu relatóriu kompletu kona-ba investigasaun prevee atu remata iha Marsu 2027.

Iha fatin hanesan José Ramos, lori povo Barique nia naran agradese tebes ba Governo ne'ebé ho misaun no vizaun polítika ba dezenvolvimentu iha Natarbora.

"Atu hatete de'it ba ita hotu katak hanesan timoroan, hanesan Manatutu oan no hanesan Barique oan pronto atu koopera ho Estadu iha kualker momentu no kualkr lugar", nia afirma.

Hafoin halo lansamentu ba investigasaun jeotéknika ne'e, MPRM ho empreza joint venture no komunidade lokal halo vizita ba projetu investigasaun *Nearshore* besik tasi ibun Natarbora hodi haree direta instalasaun ekipamentu ne'ebé instaladu ona iha área referida.

Investigasaun *Nearshore* sei hala'o iha zona tasi besik kosta Natarbora no tama iha prosesu kontratasaun ketak. Servisu ne'e sei hala'o husi empreza *joint venture*, *PT.Geoace no PT. Amythas*, husi Indonézia.

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