



Instituto do Petróleo e Geologia – Instituto Público  
(IPG)

4<sup>th</sup> IPG International Geosciences Conference on

Timor-Leste Geological Data and Information for Economic Diversification and Development

Dili 23-26 October 2018

*Note Taker's Document*

Date: 25/10/2018

Time: 15:15

Conference Day: 3

Venue: CCD

Conference Speaker: Jose Joanico Freija de Jesus Soares (ANPM)

Presentation Title/Topic: **Utilization of Drone Technology for Stockpiles Volumetric Calculation. A case study for Raiketan Production Site.**

Presentation Notes	Q&A
<ul style="list-style-type: none"> <li>• Molok hakat ba topiku apresentasaun uluk nanain hau hakarak fo informasaun oituan kona ba ANPM.</li> <li>• ANPM hanesan Instituisaun ida ne'ebe tutela ba Ministerio Petroleo no Rekursu Minerai, inklui TimorGap no Instituto do Petroleo e Geologia (IPG).</li> <li>• ANPM nia papel sai hanesan autoridade ida ne'ebe mak responsavel no regula ba atividade explorasaun</li> <li>• Iha apresentasaun ida ne'e hau sei koalia liu kona ba parte Rekursu Minerai nian liu husi peskija ou drone survey iha area Raiketan, Municipiu Covalima.</li> <li>• Atu maneija material konstrusaun sira ne'e ami fahe material sira ne'e ba regiaun balun, bazeia ba diploma Ministerial. Regiaun ne'ebe material konstrusaun barak liu mak regiaun 2 no regiaun 3.</li> <li>• Agora dadaun ANPM utilija teknolojia drone hodi promove siguransa, eficiente, akurasaun no halo estimasaun ba volume stockpiles ho diak.</li> <li>• Saida mak drone? Drone ne'e hanesan aviaun kiik ida ne'ebe semo hodi halo kontrola ba area ne'ebe sai hanesan ita nia targetu no bele halo gravasaun ba area ne'ebe ita ema labele asesu. Drone ne'e rasik bele semo ho posisaun metro 100. No atu kontrola drone ne'e rasik ita uja GPS.</li> </ul>	<p><b>1.Name: LUIS THEOFILO</b> <b>Institution: IPG</b></p> <p><b>Question/Clarification:</b> Bele ka lae ho dadus husi drone survey ne'e bele kalkula reserve Minerai ?</p> <p><b>Answer:</b> *Sim, Bele. Drone bele halo, mas ita tenke iha uluk dadus baseline ne'ebe hanesan molok halo aprovasaun ba area ne'e. * Dadus baseline ne'e tenke foti ho linha paramentru hanesan uja drone e depois it abele calcula ninia diferensia entre sedauk halo eskavasaun VS no halo ona eskavasaun VS. Maibe ita mos tenke halo ninia assumption ba tebal hosi Top soil.</p> <p><b>2. Name: DIVA CABRAL</b></p>

Note Taker's Name: \_\_\_\_\_ FA & AA \_\_\_\_\_



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- Objektivu husi projeitu ida ne'e mak atu apoio konstrusaun local sira wainhira uja material sira ne'e.
- Survey husi drone ida ne'e foka liu ba setor mineru no nia apliksaun bele utilija ba iha setor Industria, Agrikultura, Investigasaun Foresick, Bombeiros, Planiamentu no seluk-seluk tan.

**Institution: IPG**

**Question/Clarification:** Drone is great technology, it does not require much human energy to going out to the field, saving money, time etc. However I am pretty sure this technology has limitations and disadvantages, what effort will you take when wild animal attacks like eagle capture drone?

**Answer :**

Yes, if the animal like eagle catch the drone, that is the problem. The other problems that you could not run the drone at night of even rainy season with heavy cloudy. But, more advantage of using drone will be helpfully otherwise we need to upload the software. The other problems is you have to run the drone just in locally, meaning that it depend on the signal. But I know that, the better control of quarry is now drone pretty much better.

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