



NIUMINCO GROUP LIMITED

**PNG Mining and Petroleum Conference December
2018**



Expanding gold producer and explorer

ASX Code: NIU
POMSoX : NIU

Important Information



This presentation is not a prospectus nor an offer of securities for subscription or sale in any jurisdiction nor a securities recommendation.

The information in this presentation is an overview and does not contain all information necessary for investment decisions. In making investment decisions, investors should rely on their own examination of Niuminco Group Limited and consult with their own legal, tax, business and/or financial advisers in connection with any acquisition of securities.

The information contained in this presentation has been prepared in good faith by Niuminco Group Limited. However, no representation or warranty, express or implied, is made as to the completeness or adequacy of any statements, estimates, opinions or other information contained in this presentation.

To the maximum extent permitted by law, Niuminco Group Limited, its directors, officers, employees and agents disclaim liability for any loss or damage which may be suffered by any person through the use of, or reliance on, anything contained in or omitted from this presentation.

Certain information in this presentation refers to the intentions of Niuminco Group Limited, but these are not intended to be forecasts, forward looking statements, or statements about future matters for the purposes of the Corporations Act (Cth, Australia) or any other applicable law. The occurrence of events in the future are subject to risks, uncertainties and other factors that may cause Niuminco Group Limited's actual results, performance or achievements to differ from those referred to in this presentation to occur as contemplated.

The presentation contains only a synopsis of more detailed information to be published in relation to the matters described in this document and accordingly no reliance may be placed for any purpose whatsoever on the sufficiency or completeness of such information and to do so could potentially expose you to a significant risk of losing all of the property invested by you or incurring by you of additional liability. Recipients of this presentation should conduct their own investigation, evaluation and analysis of the business, data and property described in this document. In particular, any estimates or projections or opinions contained herein necessarily involve significant elements of subjective judgment, analysis and assumptions and you should satisfy yourself in relation to such matters.

The information in this report that relates to exploration results is based on Information reviewed by Ian Plimer (BSc [Hons], PhD) who is a Fellow of the Australasian Institute of Mining and Metallurgy. Professor Plimer is a director of Niuminco Group Limited and has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. He consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.

Corporate Snapshot



Capital Structure

Ordinary Shares on Issue	2,780,160,070
Options (Jan 2019 @ \$0.007)	180,000,000
Market Capitalisation (@\$0.002)	\$5.5m

Major Shareholders

Goward Pty Ltd/ T Lake	14.2%
Australian Metals Group Ltd	6.4%
Inkex Pty Ltd/ Prof. I Plimer	4.1%
Top 20 (23 Nov, 2018)	49.25%

Board and Management

Professor Ian Plimer	Independent Chairman
Tracey Lake	Managing Director/CEO
John Nethery	Non-Executive Director
Lawrence Chartres	Non-Executive Director

Niuminco – PNG Producer and Explorer



- **EDIE CREEK MINE** – Expanding, producing gold and silver mine - adjacent to Harmony Gold's **Hidden Valley** mine
- **MAY RIVER PROJECT** – Highly prospective copper- gold porphyry and epithermal anomalies. Adjoins the 21Moz Au, 13Mt Cu **Frieda River** deposit.

Two Highly Prospective PNG Projects



■ **Highly Prospective Projects**

- Niuminco is focused on two gold/silver/copper projects. Both projects are adjacent or close to existing large mines or deposits - PanAust/Highland Pacific's 21Moz Gold, 13Mt Copper, Frieda River deposit and Harmony Gold's Moz Gold, Moz silver Hidden valley Mine which produced ~190Koz of Au in 2016.

■ **Growing Gold and Silver Production**

- Niuminco has increased processing capacity through its Edie Creek Mine plant from 11tpd to up to 55tpd. This increase in throughput is expected to significantly increase revenues to the Company.

■ **Significant Near-Term Exploration Upside**

- Niuminco's gold/silver/copper projects remain highly underexplored.
- Niuminco is drill testing at its Edie Creek mine for extensions of known vein and lode systems, as well as identified, bulk tonnage and exciting new exploration targets.
- Niuminco has commenced a new exploration program on its May River tenement.
- Niuminco is investigating two further exploration opportunities, including further participation at Bolobip.

Edie Creek – Operating gold/silver Mine

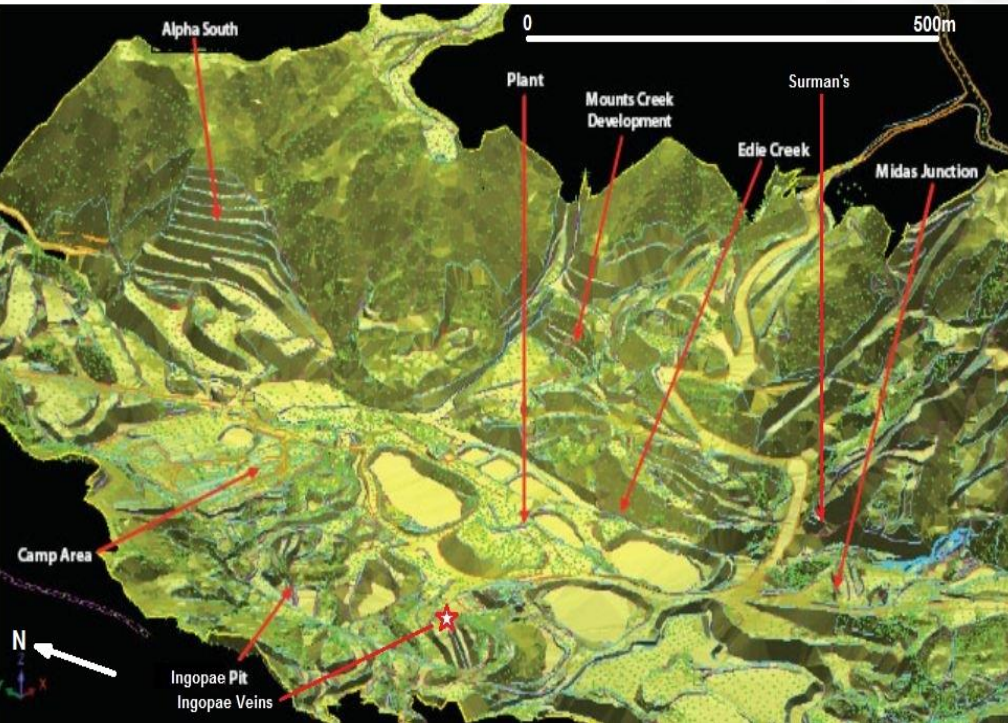


Epithermal Gold and Silver Deposit

- Edie Creek is located in the Morobe Province, approximately **5km from Harmony Gold's Hidden Valley Mine**, which produced ~190Koz of Au, 2Moz Ag in 2016.
- Edie Creek comprises 6 granted MLs covering 3.92km² and includes **high grade Au-Ag veins** and **lower grade bulk tonnage options with substantial economic potential**.
- Within the MLs, Niuminco has developed a **200 person camp, mining/processing infrastructure and maintenance / admin facilities**.
- Measured scale-up of mining & processing continuing.



Edie Creek – An Operating Mine



Edie Creek Production



Significantly Scaled-up Operations

- With new infrastructure installed, processing plant modified and upgraded mining equipment purchased, Edie Creek production is now running at up to **55 tpd** in a single, 11-hour shift.
- Niuminco positioned to have operations at Edie Creek become **consistently cash flow positive, at avg. grades of 1.5 - 2 g/t.**
- At current gold prices, operating **break-even production at Edie Creek is approx. 80oz Au per month (or 80g Au per day).**



The increase in plant throughput is expected to significantly increase revenues to the Company going forward.

Increased Processing Capacity



- **Greatly increased processing throughput** as a result of additions and modifications to processing infrastructure including:
 - Commissioning of 5tph ball mill,
 - Upgrade of Gekko ISP concentrators
 - New, larger vibrating feeder and feed shoot

Increased Mining Capacity



Significantly increased and more reliable mining capacity following purchase of :

- 3 x 2nd hand Komatsu D85 bulldozers ,
- 40t articulated tip truck,
- 6 tonne excavator; and
- Kawasaki loader

Allowing.....





- Development and mining of up to 6 pits over existing, known vein/lode systems,
- Acceleration of current mining of medium to high grade vein/lode systems, and
- Mining of newly discovered vein systems

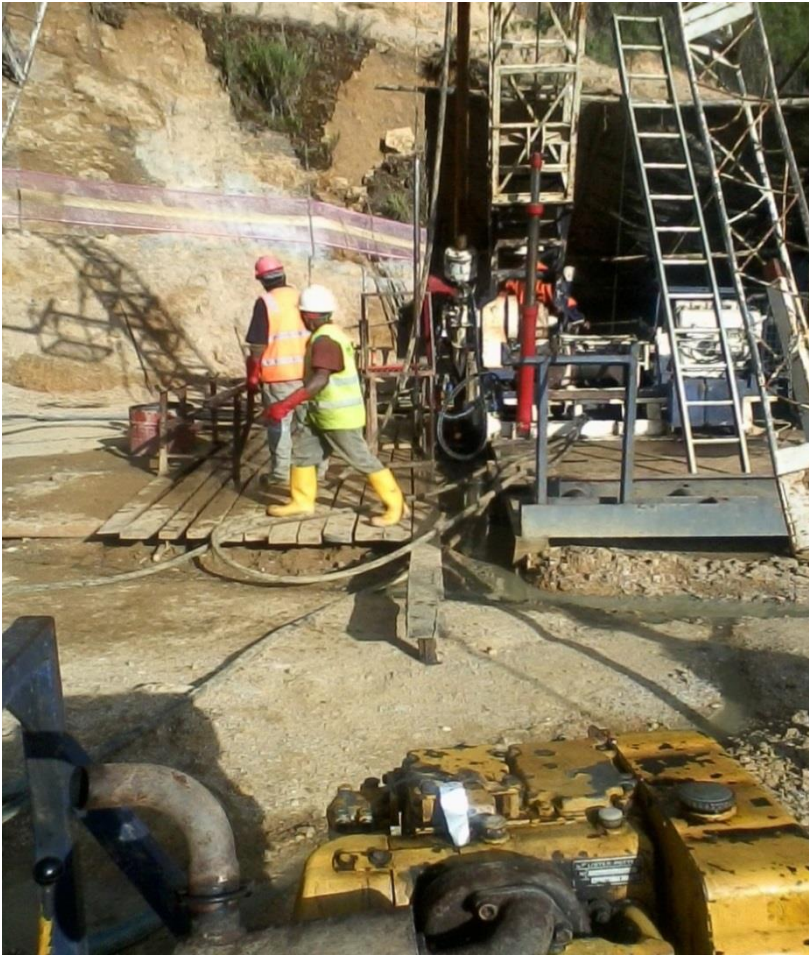


Six Known Vein Systems to Mine



Six systems ready to mine – Karuka, Alpha West, Alpha East, Mounts, Surmans, Ingopae
Significant exploration upside.

Edie Creek Exploration/Drilling Programs



- Edie Creek is **highly underexplored** – 51 drill holes for approx. 6,800m since drilling commenced in 1988.
- Testing for **extensions of known vein and lode systems** and **bulk tonnage targets** using Niuminco's **own drill rigs and crew**.
- **Very promising results** from 6 holes in the **Enterprise vein system** and 2 holes into the Karuka/Enterprise stock-work, **confirming potential of this bulk-tonnage target**.
- **Exciting new, large vein discovered at Karuka - 4.11g/t Au, 125g/t Ag**

Edie Creek Drilling Programs



- Drilling one of the six holes in the **Enterprise vein system**.
- All 6 holes had **high grade intercepts**
- **Newly discovered Karuka vein to be drilled**

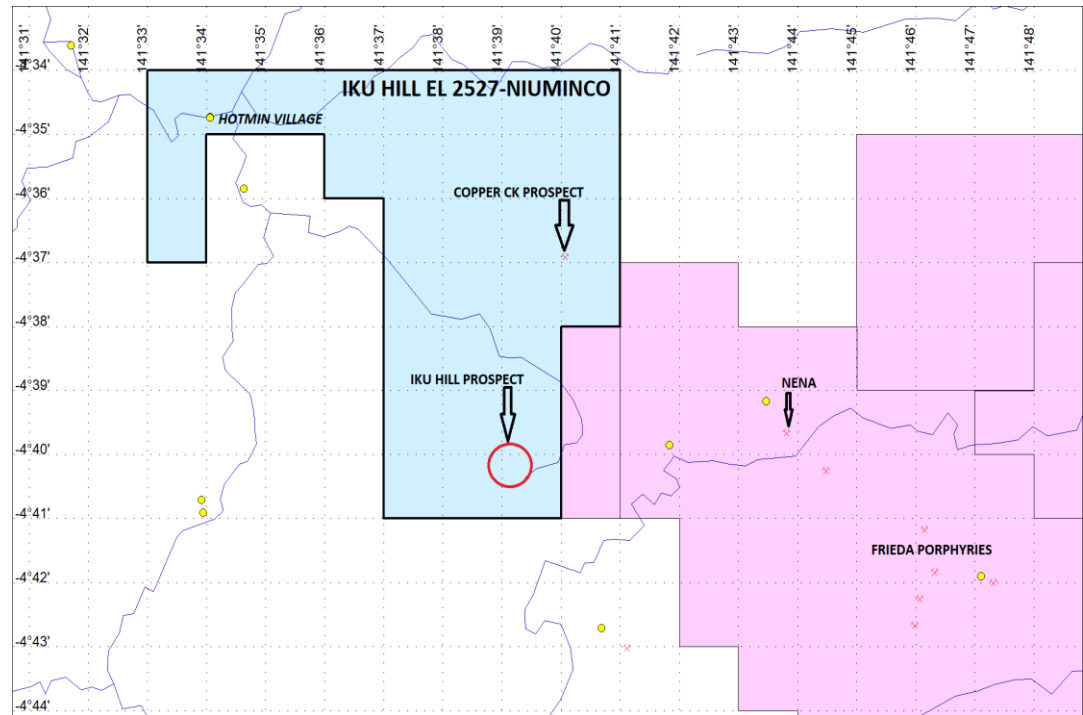
- Niuminco rig & crew drilling EDD024 at **Karuka/Enterprise stock-work and diatreme**.
- EDD024 intercepted **48m @ 1.72g/t** from surface.
- **Future focus on this area**



May River Project – Adjoins Frieda River



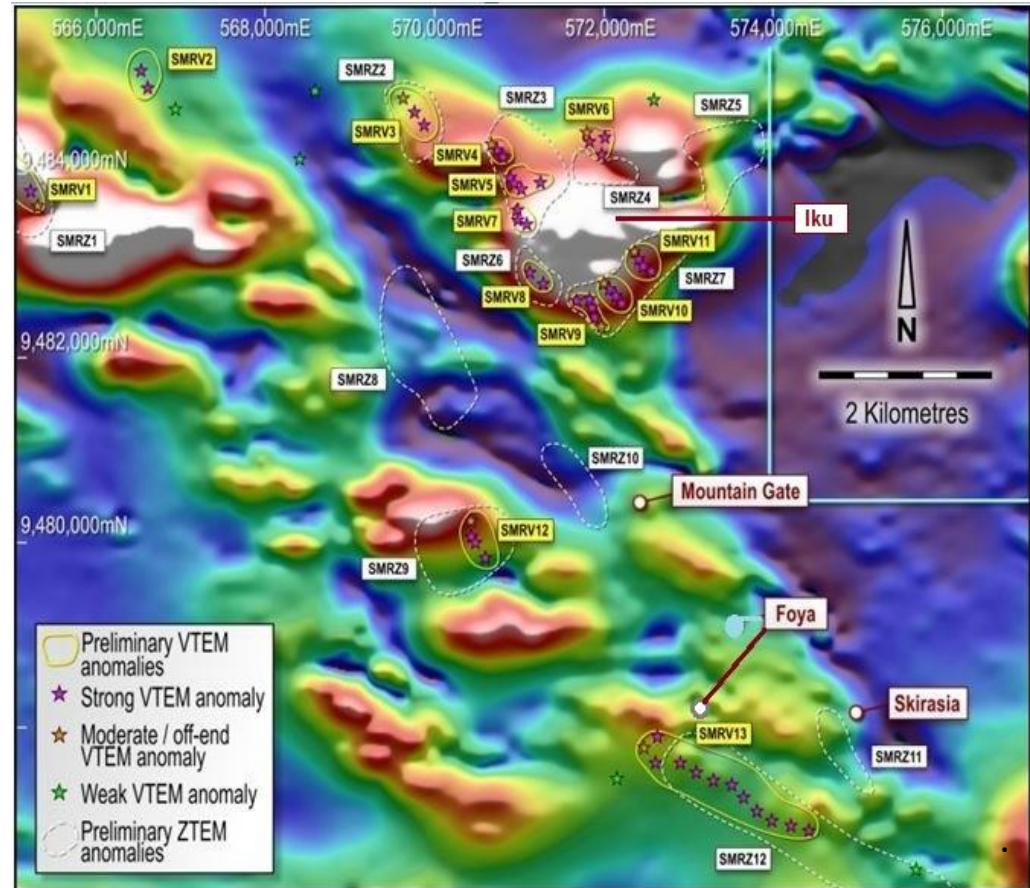
- Niuminco's **EL 2527** is a significant tenement holding which **adjoins the 21Moz Au, 13Mt Cu Frieda River deposit.**
- **Highly prospective for both copper/gold porphyry and high-grade epithermal gold deposits.**
- **Existing airstrip and base camp area at Hotmin -** supplies can be brought in by low-cost river transport.
- **EL 2527 has a 2 year term to May 2020.**



Copper-gold Porphyry and Epithermal gold



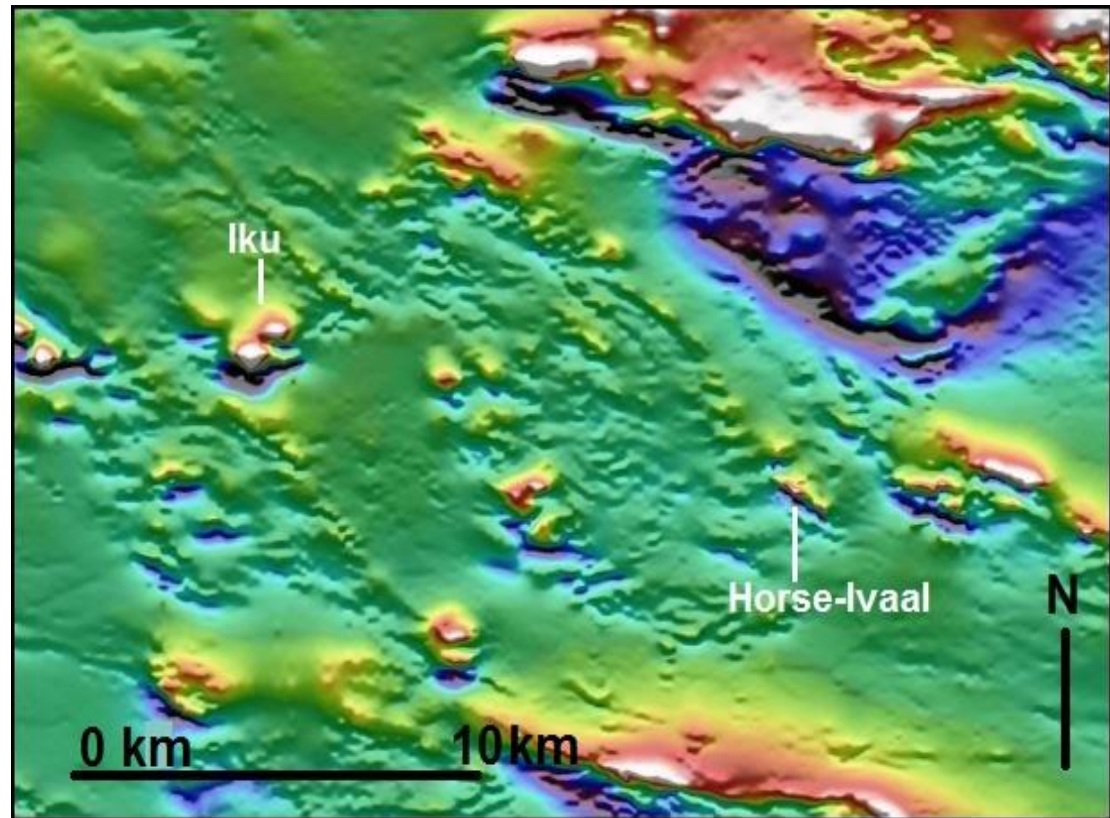
- Niuminco has **completed significant geophysical exploration programs** and will **focus on the exciting Iku Hill prospect**.
- Skirasia, 4km to the south of Iku Hill has had **historical drilling highlights** of:
 - 006SK98 : **109m @ 1.53g/t Au**
 - 011SK98: **44m @ 1.83g/t Au**
 - 001SK93: **96m @ 0.89g/t Au**



Copper-gold Porphyry and Epithermal gold



- At Iku intense magnetic target defined - over 2km diameter area.
- Similar magnitude and intensity as Frieda's Horse-Ivaal.
- Prophyry copper-gold systems such as Horse-Ivaal commonly have a concentrated halo of sulphides with highest metal grades around the edges of the host intrusive



Niuminco – Expanding Producer and Explorer



- Niuminco is focused on further expansion in Papua New Guinea in 2018-19
- **Now delivering significantly increased mining & processing volumes at EDIE CREEK** of up to 55 tpd (targeting >150oz Au per month) following the **installation and commissioning of new processing plant and equipment**, and the purchase of **additional mining equipment**, with further purchases planned ;
- Aiming for consistent , **positive cash flow from Edie Creek** which will allow Niuminco to:
 - **Accelerate its low cost exploration , extension and resource drilling programs at Edie Creek .**
 - **Commence exploration at MAY RIVER** at the identified, highly prospective Iku Hill anomalies 4km north of Skirasia.
 - Pursue **further mining and exploration opportunities** in PNG and elsewhere.

Em Tasol, Thank You



Registered Office

Niuminco Group Limited
Austlink Corporate Centre
Suite 50, 14 Narabang Way
Belrose NSW 2085
Australia

Tel: +61 2 9450 0828

Fax: + 61 2 9450 0877

Email:

info@niuminco.com.au

Web: www.niuminco.com.au

