



NIOBE Rb/Li/Ta PROJECT

Rare Metal Portfolio Addition

Investor Presentation
September 2021

ASX:ARN



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COMPETENT PERSON STATEMENT

The information in this announcement that relates to Exploration Results and other technical information complies with the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code) and has been compiled and assessed under the supervision of Luke Marshall, a geological consultant to Aldoro Resources Ltd. Mr. Marshall is a Member of the Australasian Institute of Geoscientists and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the JORC Code. Mr. Marshall consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.

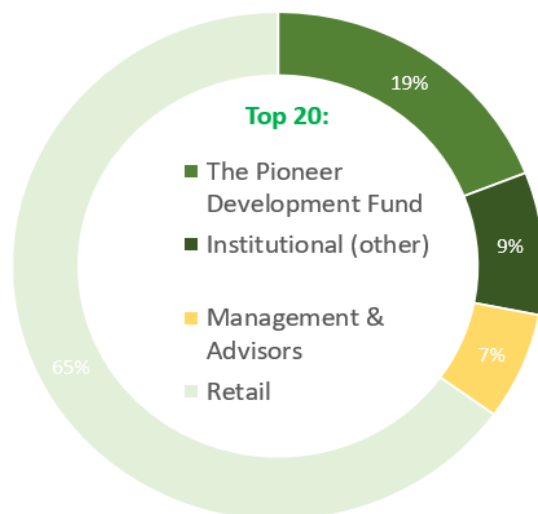
MONETARY VALUES

Unless otherwise stated, all dollar values are in Australian Dollars (A\$). The information in this presentation remains subject to change without notice.

CORPORATE OVERVIEW

Capital Structure

ASX Code	ARN
Share Price	\$0.44
Shares on issue	87.9M
Options	30.1M
Market capitalisation	\$38M
Cash (at 31-August-21)	\$6M
Enterprise Value	\$32M
Number of shareholders	1,273
Top 20 shareholders	46%



All figures as at 31 August 2021 unless otherwise stated.

Option on issue are as follows:

- 20,878,474 \$0.30 ex & 31 Aug 23 expiry
- 2,000,000 \$0.225 ex & 18 Nov 22 expiry
- 1,750,000 \$0.50 ex & 9 Sept 2023 expiry
- 2,100,000 \$0.175 ex & 9 Sept 23 expiry
- 4,300,000 \$0.234 ex & 9 Sept 23 expiry

INVESTMENT HIGHLIGHTS

Niobe Rb/Li/Ta Project – A world class resource in the making



GLOBALLY SIGNIFICANT

UNPRECEDENTED SCALE

The Niobe project assayed grades are on par with the key current global rubidium producers, with close proximity to infrastructure the project is likely to be globally significant to the rubidium supply chain.



100% OWNERSHIP

1ST CLASS JURISDICTION

The company are in a prime position to offer the market and investors a projects in a world class jurisdiction given it “whole of play” position covering the known pegmatite/mica fairway.



\$6.1M IN BANK

FUNDED FOR DRILLING

Aldoro Resources has a well positioned bank balance combined with a high-quality register of shareholders demonstrating long hold positions and the ability to support follow-on equity placements.



RIGHT COMMODITY PLACE AND TIME

CRITICAL MINERALS

Global critical metal (including nickel and EV rare metals) demand is expected to rise by 3+ million tonnes in 2040, with Australia’s greenfield and brownfield projects to play a significant role in future demand.

EXPLORATION TIMELINE

Advanced Exploration at Niobe - Developing a Mine



● JUL/AUG

DESKTOP STUDY MARKET STUDY

● SEP

SAMPLE

Extensive sampling program will commence in September including rock chips and XRF, it is expected assay results will be returned by December.

Work Commenced

● OCT/NOV

FIRST HOLES

Initial RC holes will be planned from historical exploration results as well as the soil, rock chip and XRF sampling program undertaken by Aldoro Resources. The drill rig is expected to arrive late September.

POW Submitted

● DEC/JAN

RESOURCE BUILD

A larger more extensive drilling program will be planned based on the assay results of the sampling program in September, this program is planned to define an economical JORC resource.

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100% Owned & Granted

Main Mount Farmer Pegmatite

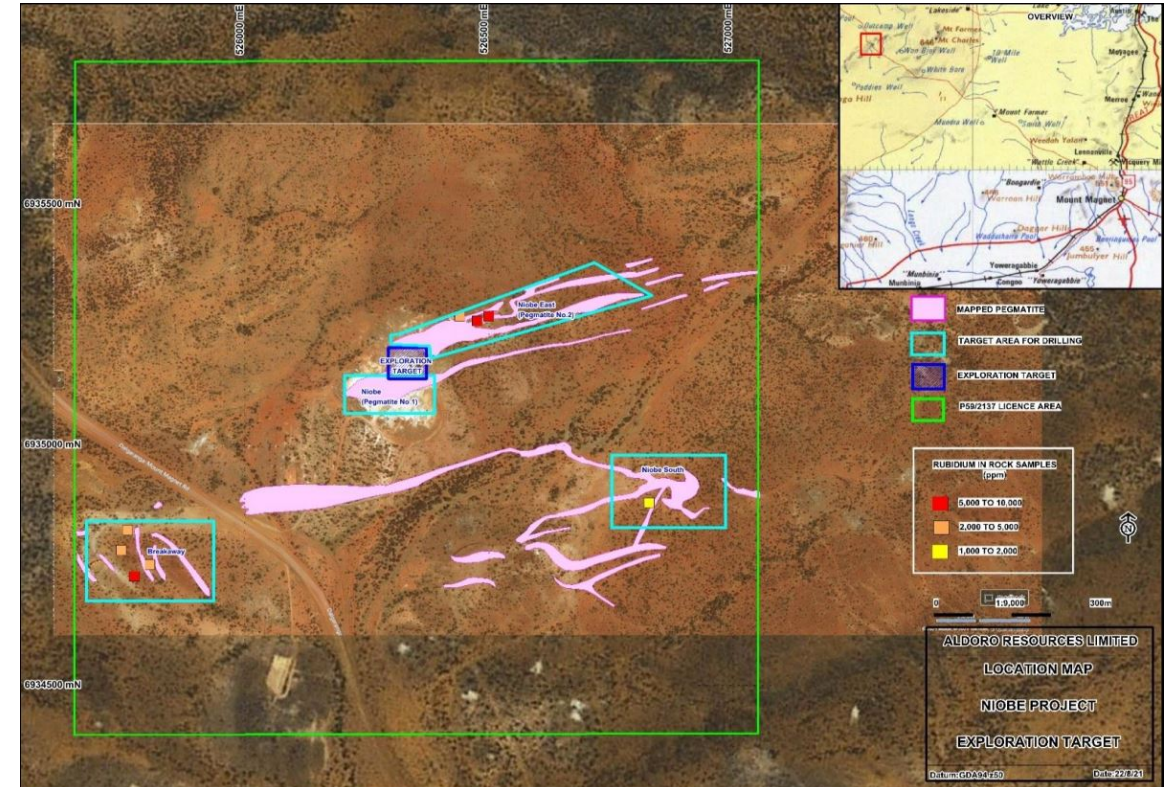
- Width up to 50m and strike over 400m
- Rb reported up to 1% with majority between 0.1% - 0.51%
- Li₂O up to 1.27%

Northeast Mount Farmer Pegmatite

- Width up to 50m and strike over 400m with 100m intersect
- Rb average of 0.1% from 9 holes drilled
- Li₂O up to 0.70%
- Ta up to 0.20%

Mount Farmer Southeast Pit

- Width of 70m and strike over 400m
- Rb at 0.21% from a Surface rock chip sample
- Ta up to 6.34%



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Substantial upside outside the core Mt Farmer Pegmatite

Breakaway

- Width up to 10m and strike over 160m
- Historical drill holes only assayed for Tantalum
- Lithium grades up to 0.50%
- Rb at 0.66% from a Surface rock chip sample

Highway (Niobe Pipes)

- Width up to 10m and strike over 100m
- No other information available at this stage

Niobe Flats

- Width up to 50m and strike over 1,000m
- Appears to be the extension of Niobe South
- No other information at this stage



Early indication suggest significant Rubidium (Rb) is to be found in the Niobe pegmatite clusters

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Rubidium Market Overview

“Global Rb demand of 200t/y @ +90% purity from an estimated 180,000 ore tons @ 0.1%”



- **Global Rubidium Market CAGR +4% through till 2026**
- Demand expected to grow 22% by 2026
- Rubidium used in specialty glass (fiber) enables 4G and 5G networks, demand increasing with network upgrades and increased demand due to “work from home” due to covid-19
- Rubidium is the most accurate blood-flow tracer for detection of Coronary Heart Disease (CAD), detection of brain tumors and is used to treat manic depression.

Source: Mordor Intelligence Analysis

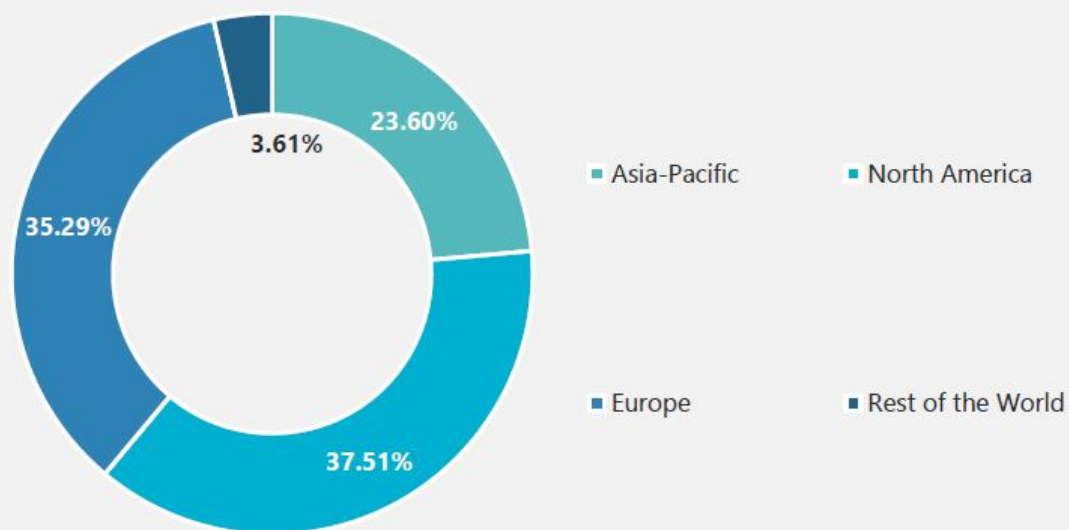
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Rubidium Market Overview

Rubidium enables multiple high growth technology market applications such as Biomedical, Electronics and Communications

RUBIDIUM MARKET

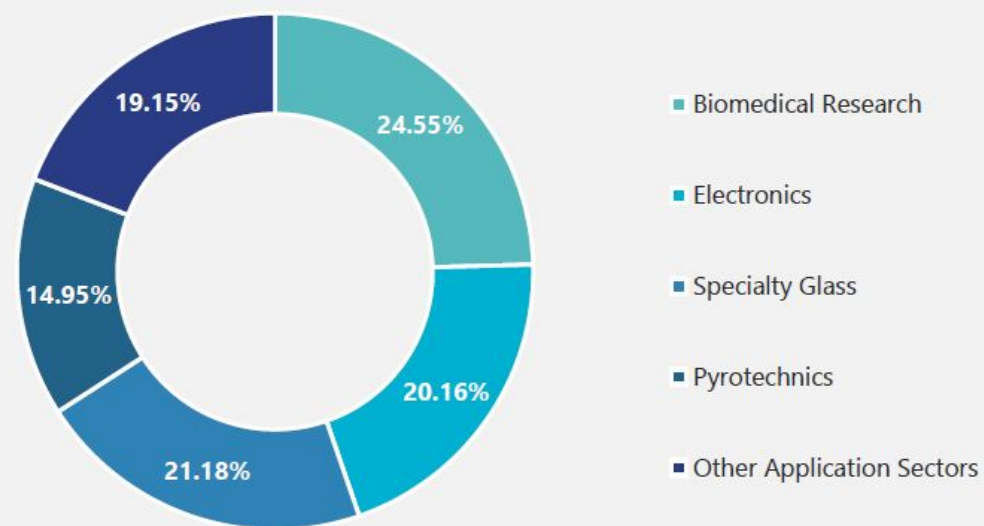
Volume Share (%), by Geography, Global, 2021



Source: Mordor Intelligence Analysis

RUBIDIUM MARKET

Volume Share (%), by Application Sector, Global, 2021



Source: Mordor Intelligence Analysis



INVESTMENT HIGHLIGHTS - NIOBE

Unprecedented leverage to International critical resource
High potential for large resource with high grade Rubidium
Actual on-ground activity moving toward resource drilling
Proven team who can develop a mine
Diligent execution of exploration plan
Quality shareholders - long term & supportive track record
100% Aldoro held projects



THANK YOU

For more information please email:
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