



**The Numbers Stack Up!**  
**Presentation to RIU Sydney Resources Round-up 10 May 17**

# The Numbers Stack Up

***‘in 2025 the battery market for lithium alone will be more than 2x bigger than the total lithium market today’***

*Deutsch Bank 2015*



Pepini

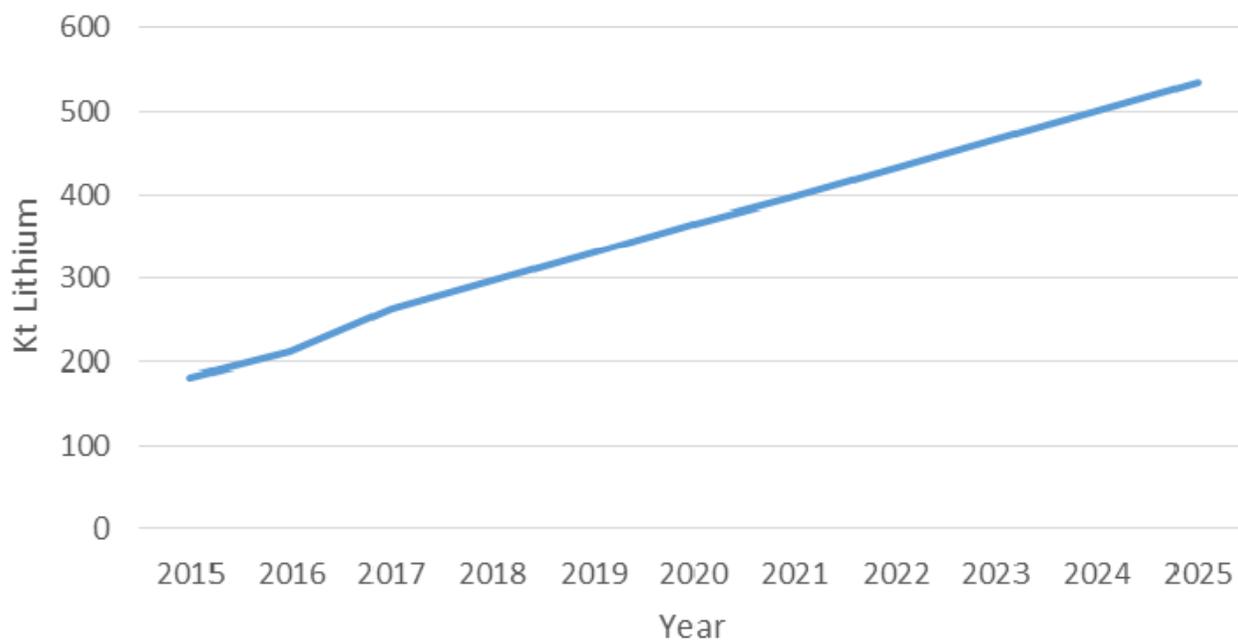


We Explore

**Pepini**  
Minerals Limited

# Lithium demand to jump 295% over 10 year period

Lithium Demand - Deutsch bank forecast



*Actual increase in 2016 is 17%*

*On target for 24% increase 2017*

*Forecast further 100% increase from end of year by 2025*

Pepinini



We Explore

**Pepinini**  
Minerals Limited

# Why the increased demand? What are we using it on?



Tesla Model S

**51kg**

Other Electric Vehicles

**10-63kg**

Powerwall 2.0

**10kg**

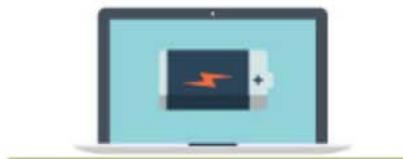
Hybrid Electric Vehicles

**0.8-2kg**



Power Tool Batteries

**40-60g**



Laptop Batteries

**30-40g**



Tablet Batteries

**20-30g**



Smartphone Batteries

**2-3g**

Source <http://www.visualcapitalist.com/lithium-fuel-green-revolution/>



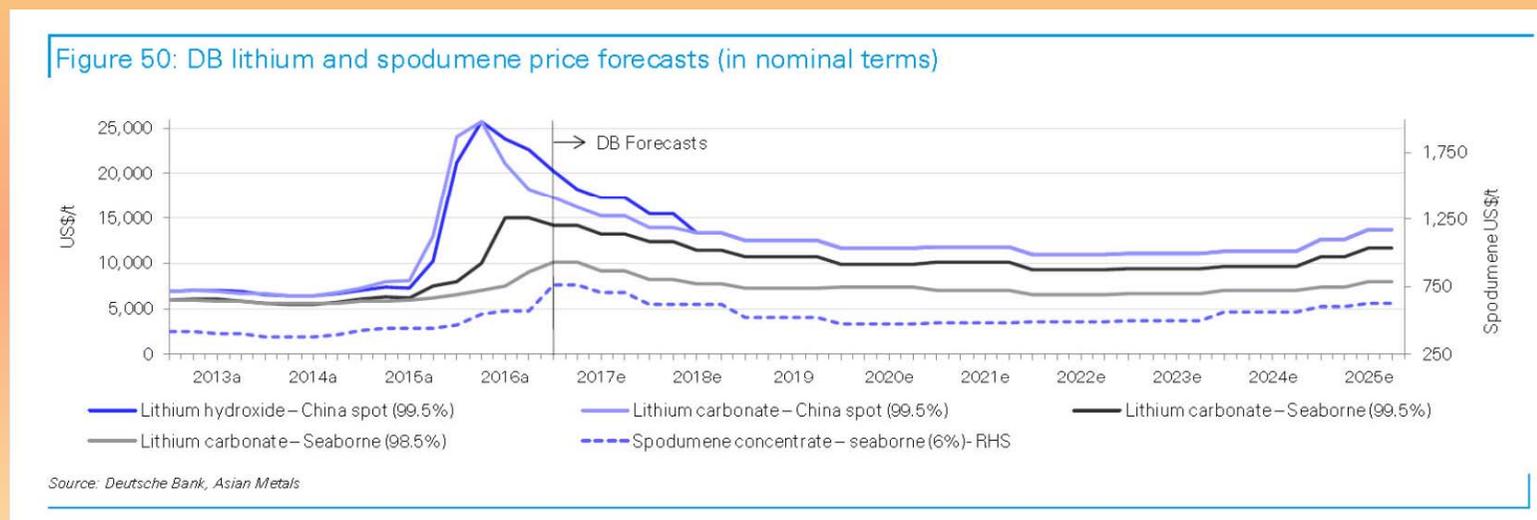
We Explore

**Pepini**  
Minerals Limited

Electric

# Current Lithium pricing and production costs

- ❑ **Current Lithium carbonate price is predicted to stay above US\$10,000 per tonne through to 2025**
- ❑ **Production cost of other Lithium Brine producers US\$2,500 to US\$3,500 per tonne**
- ❑ **Estimated up to 400% profit margins**



We Explore

**Pepini**  
Minerals Limited

Pepini

# Why brine is the smart choice over hard rock

This unique type of deposit is also:



Easier to Explore



Faster to Put  
into Production



Requires Less Capital

Source <http://www.visualcapitalist.com/lithium-fuel-green-revolution/>



We Explore

**Pepinini**  
Minerals Limited

Specialist

# Why Argentina

- ❑ Company set up and in place since 2008
- ❑ Strategically located within the Lithium Triangle
- ❑ Large high grade reserves



pepinini

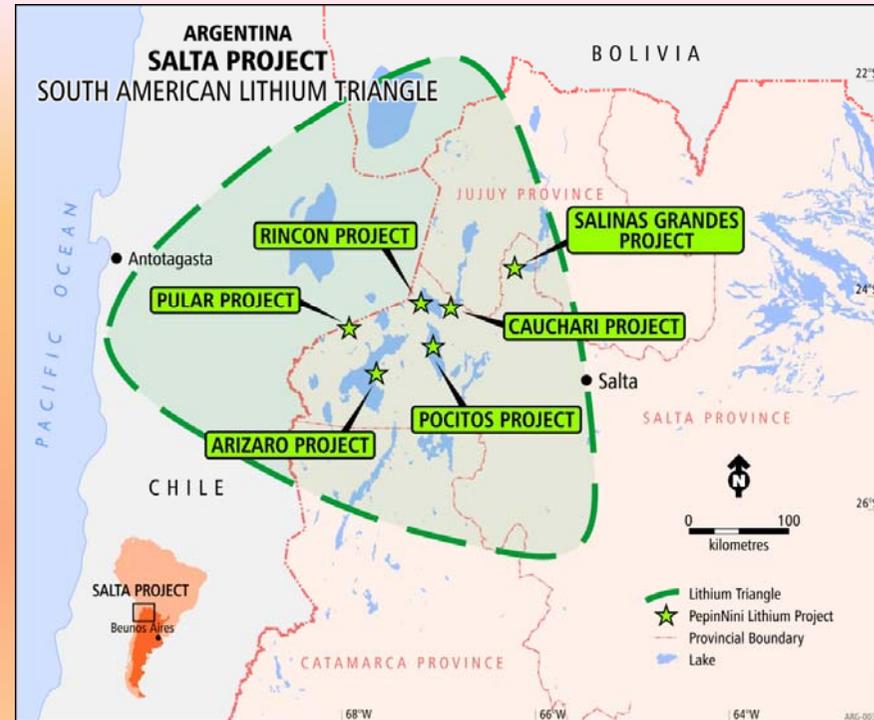


We Explore

**Pepinini**  
Minerals Limited

# The Lithium Triangle – Argentina, Bolivia and Chile

- ❑ Contains 66% of the world's reserves of Lithium Carbonate(LCE)
- ❑ Contains 53% of the world's high grade Lithium reserves
- ❑ 48% of global LCE production in 2015 and 50% in 2016



Pepinini

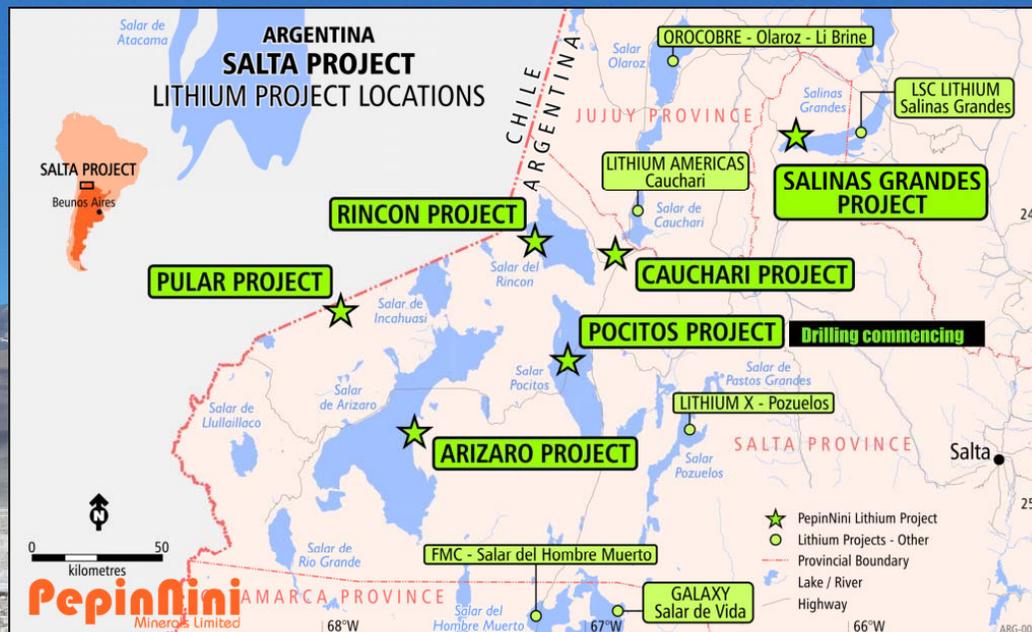


We Explore

**Pepinini**  
Minerals Limited

# Salta Lithium Project

- ❑ Six projects all located over dry salt lakes – Salars, in the Lithium Triangle
- ❑ 14 mining leases (mina) over 35,688 ha
- ❑ Geophysical surveys carried out on 4 projects
- ❑ Potential Lithium brine bearing aquifers indicated on all projects surveyed
- ❑ Drilling underway on Pocitos Project - targeting maiden resource (LCE) in 2017



We Explore



**Pepinini**  
Minerals Limited

Salta Lithium Project

# Salta Lithium Project – no infrastructure costs



- ❑ Railway to coastal port in Chile of 300-400km
- ❑ Gas pipeline
- ❑ High voltage power line



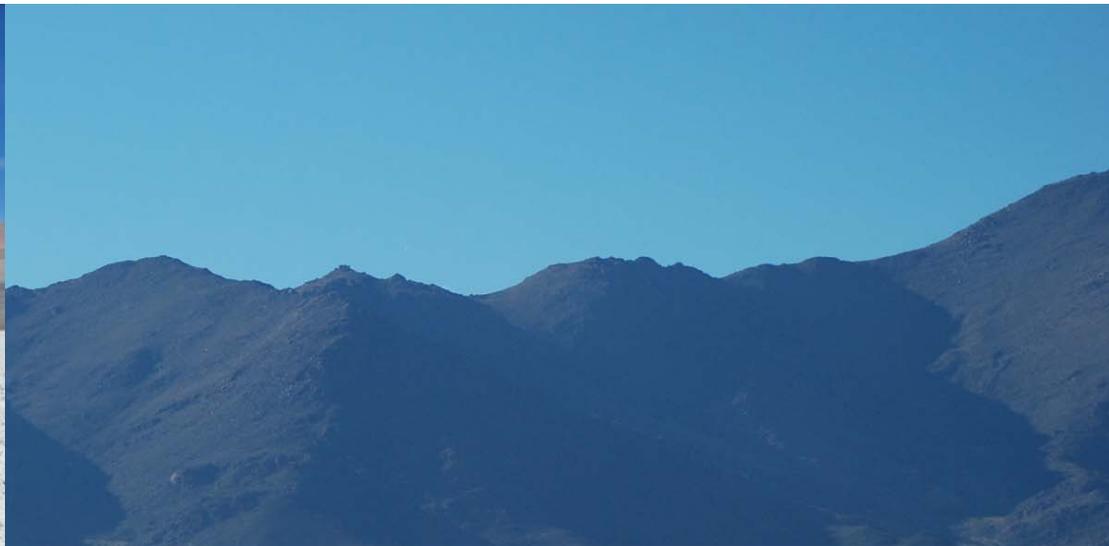
We Explore



**Pepinini**  
Minerals Limited

Salta Lithium Project





# Where we are exploring

## AUSTRALIA



## ARGENTINA



- Argentina 22 tenements, 55,588 ha
- Australia 12 tenements, 14,524km<sup>2</sup>

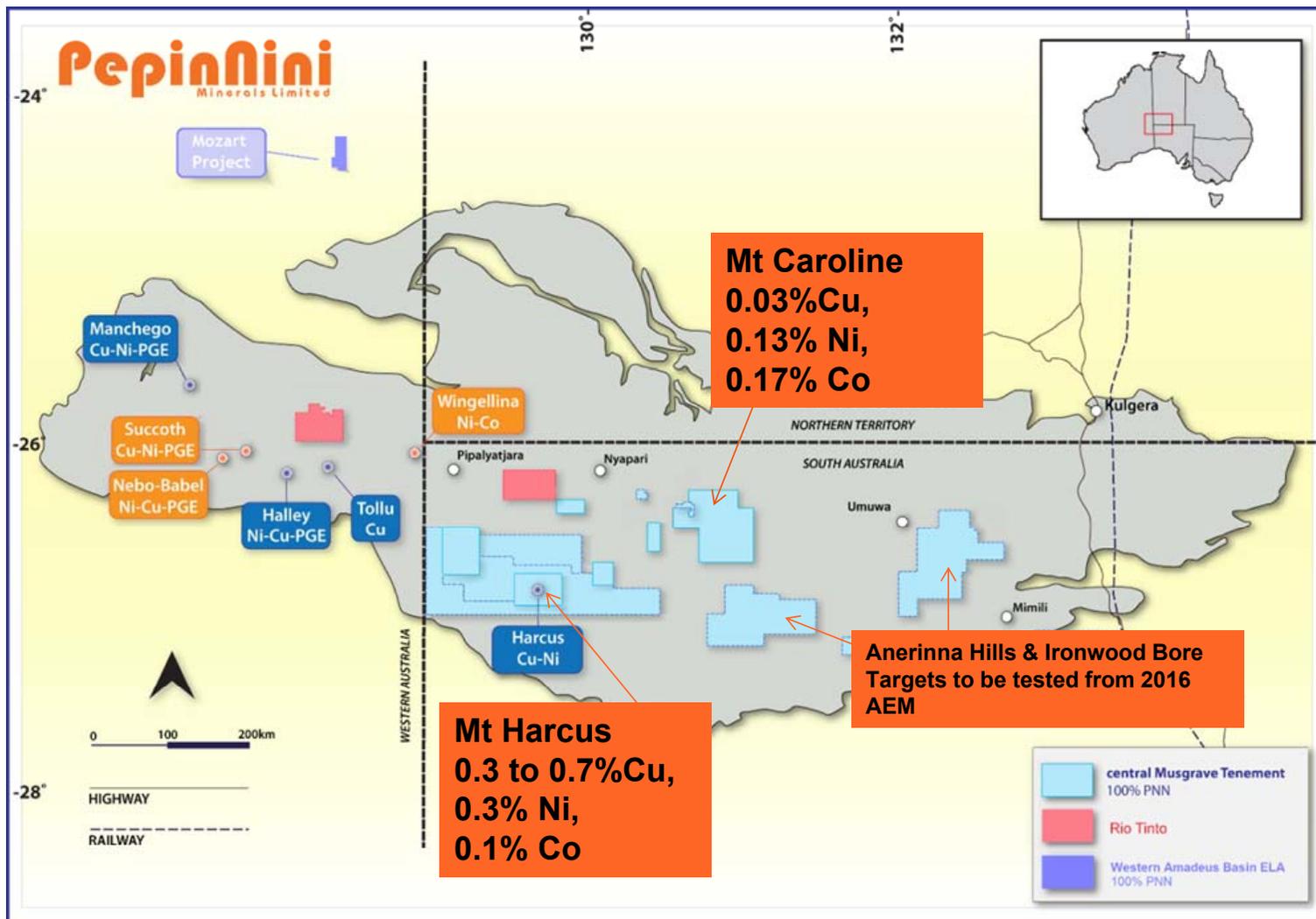
***Focus on Salta  
Lithium Brine  
Project***



We Explore

Exploration

# Musgrave Project – Nickel, Copper and Cobalt



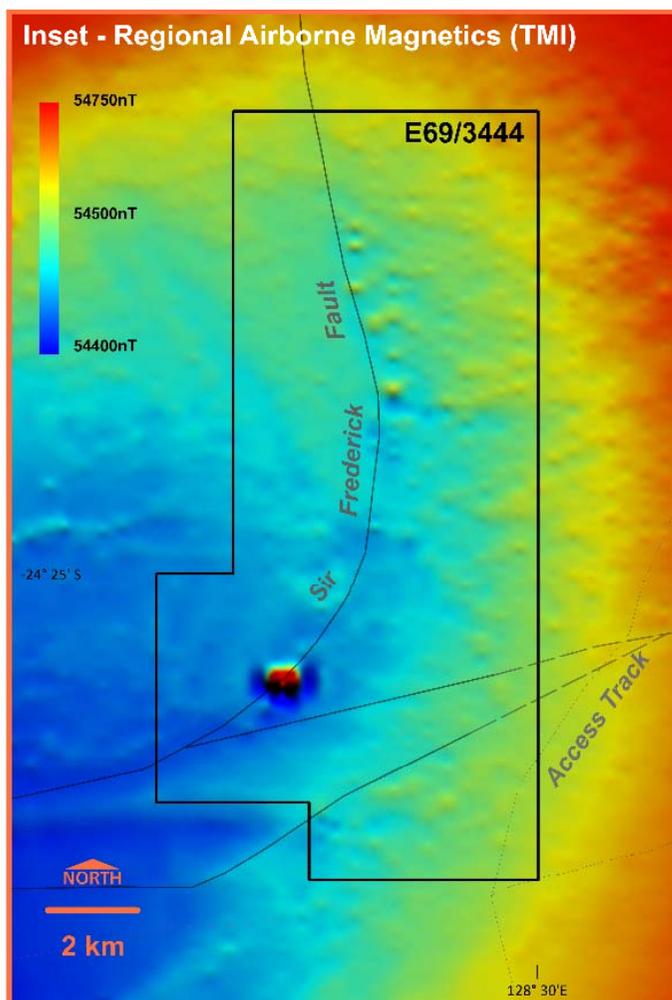
- ❑ 12 tenements of 14,524 km<sup>2</sup>
- ❑ Targeting magmatic Ni-Cu-Co sulphide deposits
- ❑ Targets generated from 2016 CSIRO-SA DSD - AEM



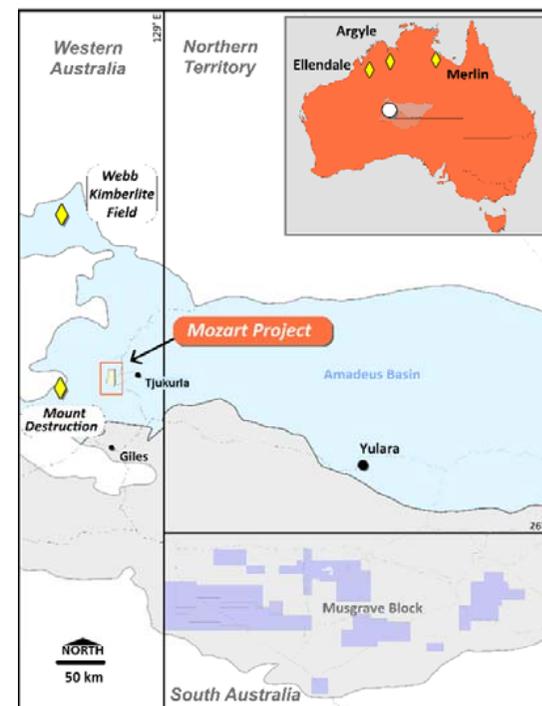
We Explore

**Pepinini**  
Minerals Limited

# Western Amadeus Basin – Mozart Diamond Project



- ❑ *Untested Discrete "bullseye" magnetic anomaly*
- ❑ *Potential kimberlite intrusion*
- ❑ *Logistically well located*



We Explore

**Pepini**  
Minerals Limited

Geological

# PepinNini – Corporate

Snapshot 3 May 2017	ASX:PNN
Shares on issue	483,968,689
Options on issue(unquoted)	1,500,000
No. shareholders	3,069
Current Cash	\$3.4m
Market Cap	\$12.6m

- Funded to complete planned exploration*
- No debt*
- Actively traded, good liquidity*



We Explore

**PepinNini**  
Minerals Limited

PepinNini

# PepinNini Board of Directors



**Rebecca Holland-Kennedy**

B.Sc., B.Arts, MAusIMM, GAICD

**Executive Chairman and Managing Director, Co-founder**

Geologist with more than 35 years experience in exploration and management.



**Phil Clifford**

B.Sc., MAusIMM

**Executive Technical Director and Exploration Manager**

Geologist with more than 25 years experience in exploration management within Australia; 15 years with Rio Tinto.



**Sarah Clifton-Brown**

B.Arts, (Hons) Accountancy, FCCA, GAICD

**Executive Finance Director**

Fellow of the Chartered Certified Accountants with more than 12 years experience in company administration, financial reporting and analysis.



**Robert (Wei) Sun**

M.Econ (Commerce), M.Econ (IEM)

**Non-Executive Director**

Resource investment analyst with more than 12 years experience in international trade and the resource industries of China, Canada and Australia.



**Justin Nelson**

B.Arts(Jurisprudence)LLB

**Company Secretary**

Lawyer, previously ASX State Manager, SA and Manager, Listings (Adelaide). He has extensive knowledge of ASX listing rules and is a Principal with DMAW Lawyers.



**Ignacio Celorrio**

LLB/JD Partner

**Director**

**PepinNini SA**  
Lawyer with Quevedo Abogados Buenos Aires. *Distinguished Leading Individual* in areas of Energy and Natural Resources in Argentina



We Explore

**PepinNini**  
Minerals Limited

PepinNini

# The PepinNini Advantage

- ❑ ***Several salars under tenure, 100 % PepinNini***
- ❑ ***Focus on the salar with the greatest resource potential***
- ❑ ***Multiple asset value creates reserve for development***

Share this  
potential



We Explore

**PepinNini**  
Minerals Limited

PepinNini

# Still room to grow

*is PepinNini a 10 bagger or more?*

Period †	Open	High	Low
1 Week	0.026	0.027	0.024
1 Month	0.031	0.032	0.024
3 Months	0.016	0.035	0.014
6 Months	0.015	0.035	0.013
1 Year	0.015	0.045	0.013
3 Years	0.018	0.045	0.006
5 Years	0.051	0.135	0.006

Source advfn



Source google finance

PepinNini



We Explore

**PepinNini**  
Minerals Limited

# We Explore

- ✓ Great Project
- ✓ Great People
- ✓ Great Price

# Thank you



## Disclaimer and Competent Persons Statement

- The information in this presentation is published to inform you about PepinNini Minerals Limited and its activities. All reasonable effort has been made to provide accurate information, but we do not warrant or represent its accuracy and we reserve the right to make changes to it at any time without notice.
- To the extent permitted by law, PepinNini Minerals Limited accepts no responsibility or liability for any losses or damages of any kind arising out of the use of any information contained in this presentation. Readers are advised to consult a stockbroker or professional adviser before making any investment decisions.
- The information in this presentation that relates to Exploration Results and Mineral Resources in Australia is based on information compiled by Philip Clifford BSc MAusIMM. Mr Clifford is the Technical Director of PepinNini Minerals Limited who has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration 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". Mr Clifford consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.
- The section in the presentation on the Salta Lithium project has been reviewed by Mark King Ph.D., P.Geo., F.G.C., Groundwater Insight, Inc, Halifax, Nova Scotia, Canada, who has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration 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 and the Canadian National Instrument 43-101". Mark King consents to the inclusion in the presentation of the matters based on his information in the form and context in which it appears.



We Explore

**PepinNini**  
Minerals Limited

PepinNini