

**ASX RELEASE**

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**PROJECTS**

**Argentina**  
Salta Lithium Project

Santa Ines Copper-Gold Project

**Australia**  
Eyre Peninsula Kaolin-Halloysite  
Project

Musgrave Nickel-Copper-Cobalt-  
PGE Project

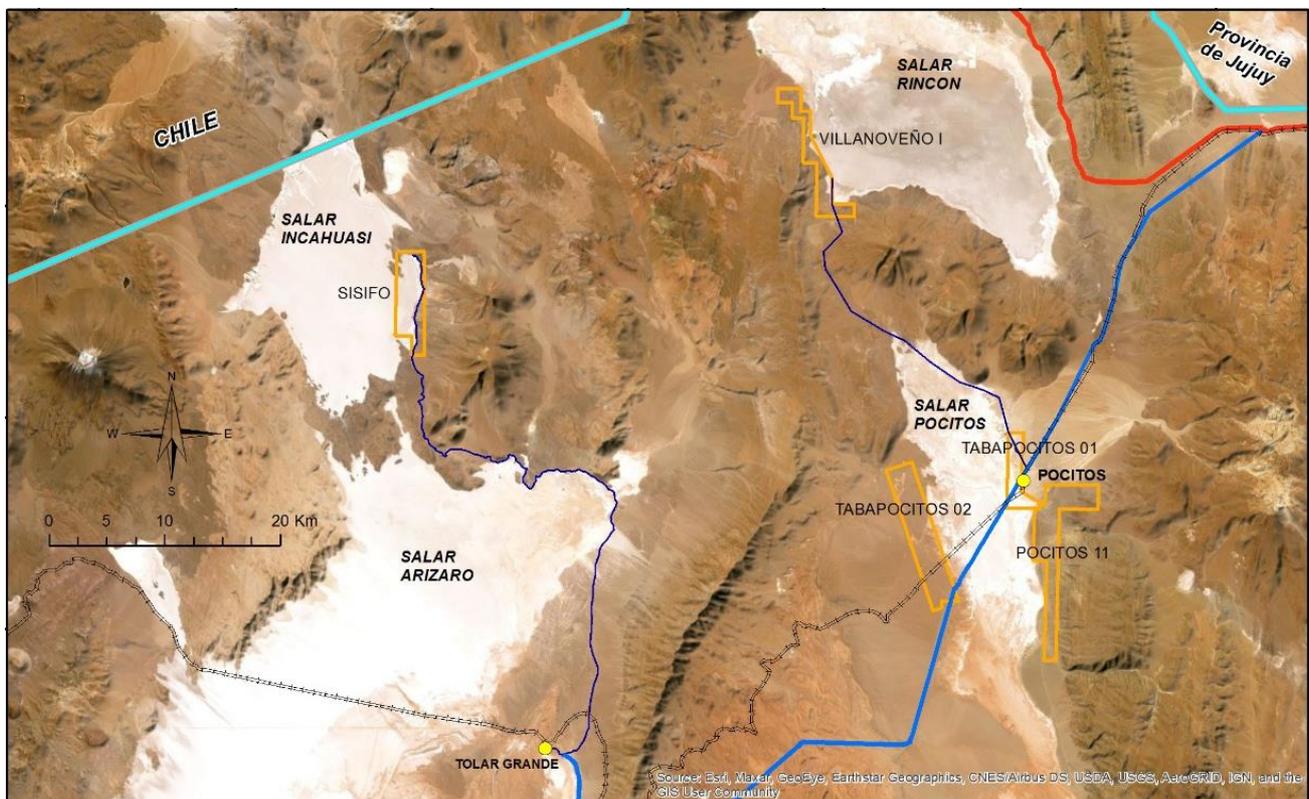
## Sunresin Completes Successful Bulk Sample Test of Salta Brines

- **40 litre bulk-sample from each of the Incahuasi, Rincon and Pocitos salares has been successfully processed through Sunresin's proprietary DLE technology**
- **The bulk-sample testing program confirmed;**
  - **The individual brines are compatible with Sunresin's DLE technology and plant;**
  - **Brine chemistry and quality from each salar is suitable for processing through Sunresin's DLE technology; and**
  - **Successfully produced a lithium concentrate.**
- **Sunresin now plans to conduct a site visit to the Salta Project**
- **Power plans to undertake a Preliminary Economic Assessment (PEA) or Scoping Study at the Project**
- **Sunresin's DLE technology extracts lithium from varying brine grades and delivers high recoveries, low costs and expedited processing times, without the use of evaporation ponds**
- **The ability to treat brines of varying grades and compositions offers potential to develop a significant lithium producing operation at Salta**

Diversified minerals company Power Minerals Limited (ASX: PNN) (**Power** or **the Company**) is pleased to announce that Direct Lithium Extraction (DLE) leader, Sunresin New Materials Co. Ltd. (Sunresin), has completed a successful bulk-sample test of brines from Power's Salta Lithium Project located in the lithium triangle of north-west Argentina (Figure 1).

The bulk-sample testing has confirmed that the brine chemistry and quality at the Incahuasi, Rincon and Pocitos salares at Salta is amenable to Sunresin's DLE technology and plant, and successfully produced a lithium concentrate.

The successful bulk-sample test was conducted at Sunresin's proprietary DLE plant in Shaanxi province, China, and is a major positive step in progressing Power's Memorandum of Understanding (MoU) with Sunresin.



**Figure 1:** Location of Power’s Pocitos licences, Salta Province, NW Argentina

The MoU is proposed to be carried out in four phase process, with the end goal of securing a binding agreement for a commercial-scale lithium producing operation at the Salta Project (ASX announcement, 7 April 2022).

**“The successful completion of Sunresin’s bulk sample testing of the Salta brines represents a highly significant deliverable in our ongoing work with Sunresin. The ability of Sunresin’s DLE technology to successfully process brines of varying grades from the Salta Project helps confirm the Project’s DLE development potential. Sunresin now plans to conduct a site visit to the Project prior to the end of the calendar-year, and we plan to move to commence a Preliminary Economic Assessment (PEA) or Scoping Study at the Project.”**

**Power Minerals Executive Director, Mena Habib**

### **Bulk-Sample Brine Test – Summary Outcomes**

The bulk-sample testing involved 40 litres of brine being extracted from each of the Incahuasi, Rincon and Pocitos salares, which was then sent to Sunresin’s proprietary DLE processing facility.

The bulk samples of 40 litres of brine from each individual salar was then processed through Sunresin’s DLE plant on a salar-by-salar basis.

The bulk sample testing of the brines from all three salares delivered positive outcomes, and successfully produced a lithium concentrate. The testing confirmed;

- Individual brines are compatible with Sunresin's DLE technology and plant; and
- Brine chemistry and quality from each salar is suitable for processing through Sunresin's DLE technology and plant.

The individual brines hosted varying lithium grades - from in excess of 330mg/L (milligram per litre) at the Rincon salar to around 100mg/L at the Pocitos-11 salar - but all brines were processed successfully through Sunresin's DLE plant and deemed suitable for use by Sunresin.

The brines in the Pocitos area are typically of a lower grade, and the confirmation of the suitability of the Pocitos brines by Sunresin is significantly positive.

Power has three licences in the Pocitos area - Pocitos 11, Tabapocitos 01 and Tabapocitos 02 - and the ability to have these brines successfully processed through Sunresin's DLE technology offers the potential to expand the size and scale of the Project - and deliver a premium quality lithium concentrate.

The Pocitos licences are also strategically located adjacent to the site of a proposed multi-user industrial park, along with critical infrastructure. Power will investigate the potential to locate requisite plant and project infrastructure at the proposed industrial park, to take advantage of its proximal location to the Pocitos licences.

Power will commence a Mineral Resource expansion drilling campaign at the Incahuasi, Rincon and Pocitos salares in the near future, which is designed to significantly upgrade to the Salta Project's existing resource.

### **Background to Bulk-Sample Brine Test**

The first phase of the Power's MoU with Sunresin involved an assessment of the brines from the Salta Project to determine their suitability for Sunresin's DLE technology.

Power previously reported that samples had been taken from each of the Incahuasi, Rincon and Pocitos salares at the Project and submitted for laboratory analysis at global laboratory services group SGS in Argentina. They returned the following lithium results;

- Rincon salar: **335.2mg/L**
- Incahuasi salar: **241.2mg/L**
- Pocitos salar: **100.4mg/L**

Sunresin subsequently advised that the grades and composition were amenable to its DLE technology (ASX announcements, 16 August 2022 and 21 July 2022).

With the first phase of the MoU successfully completed, Power extracted the bulk-samples of 40 litres of brine from each of the Incahuasi, Rincon and Pocitos salares and dispatched them to Sunresin for processing and testing through its proprietary DLE technology.

Sunresin is a global leader in DLE technology, and has a total of 10 commercial projects across the globe, ranging from a capacity of 3,000tpa to 25,000tpa. It is able to extract lithium from varying brine grades and compositions in an economically viable manner, and deliver high recoveries of lithium with low costs and expedited processing times, without the need for evaporation ponds.

### **About the Salta Lithium Project**

The Salta Project is strategically located in the Salta province in north-west Argentina and is part of the Lithium Triangle, the world's leading lithium brine region. The Project consists of five salares (salt lakes) that sit within seven mining leases, over a total project area of 147.07km<sup>2</sup>. The Project's Incahuasi salar is located immediately adjacent to Ganfeng Lithium Co. Ltd's project and the Rincon salar is adjacent to Rincon Mining Ltd, recently acquired by Rio Tinto Ltd for US\$825 million.

Power is in process of assessing appropriate potential commercial development pathways for the Project. These may include the adoption of DLE at the Project, and/or a potential hybrid strategy utilising DLE on blended brines from the different salares.

The use of DLE technology has the potential to reduce the environmental impact of any future lithium producing operation at Salta. Power plans to commence resource definition drilling at the Project imminently.

Authorised for release by the Board of Power Minerals Limited.

**-ENDS-**

### **For further information please contact:**

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### **About Power Minerals Limited**

Power Minerals Limited is a diversified ASX-listed mineral resources exploration company with a portfolio of projects in demand driven commodities. It is focused on the systematic exploration and development of its

projects. These include the Salta Lithium Brine Project in the prolific lithium triangle in the Salta Province in Argentina, the Eyre Peninsula Kaolin-Halloysite Project, strategically located on the Eyre Peninsula in South Australia, and the Musgrave Nickel-Copper-Cobalt-PGE Project in the Musgrave Province in northern South Australia. The Company also holds the Santa Ines Copper-Gold Project in Argentina, located in the same geological setting as BHP's world-class, nearby Escondida Copper-Gold Mine in Chile.

### **About Sunresin New Materials Co. Ltd.**

Sunresin New Materials Co. Ltd. (Sunresin) is an innovation focused, advanced technology company which specialises in supplying ion exchange resins, adsorption and separation resins, equipment solutions and technical services. It was established in 2001 and is listed on China's Shenzhen Stock Exchange (code 300487). Sunresin manufactures about 50,000M<sup>3</sup> of ion exchange resins and adsorbers annually. Its resin portfolio consists of around 25 product categories and more than 200 different resin types, used in sectors which include; mining and hydrometallurgy, water and waste water treatment, food processing, biotech and pharmaceuticals, among others. Sunresin holds more than 30 patents and is certified under ISO 9001 for Quality Control System and ISO14001 for Environment Control System. Further information is available via the Company website; <https://www.seplite.com>

### **Competent Persons Statement**

This announcement regarding the Salta Lithium project has been prepared with information compiled by Marcela Casini, MAusIMM. Marcela Casini is the Company's Exploration Manager, Argentina and has sufficient experience 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". Marcela Casini consents to the inclusion in the report of the matters based on her information in the form and context in which it appears.

### **Forward looking Statements**

This announcement contains 'forward-looking information' that is based on the Company's expectations, estimates and projections as of the date on which the statements were made. This forward-looking information includes, among other things, statements with respect to the Company's business strategy, plans, development, objectives, performance, outlook, growth, cash flow, projections, targets and expectations, mineral reserves and resources, results of exploration and related expenses. Generally, this forward-looking information can be identified by the use of forward-looking terminology such as 'outlook', 'anticipate', 'project', 'target', 'potential', 'likely', 'believe', 'estimate', 'expect', 'intend', 'may', 'would', 'could', 'should', 'scheduled', 'will', 'plan', 'forecast', 'evolve' and similar expressions. Persons reading this announcement are cautioned that such statements are only predictions, and that the Company's actual future results or performance may be materially different. Forward-looking information is subject to known and unknown risks, uncertainties and other factors that may cause the Company's actual results, level of activity, performance or achievements to be materially different from those expressed or implied by such forward-looking information.