

The Company

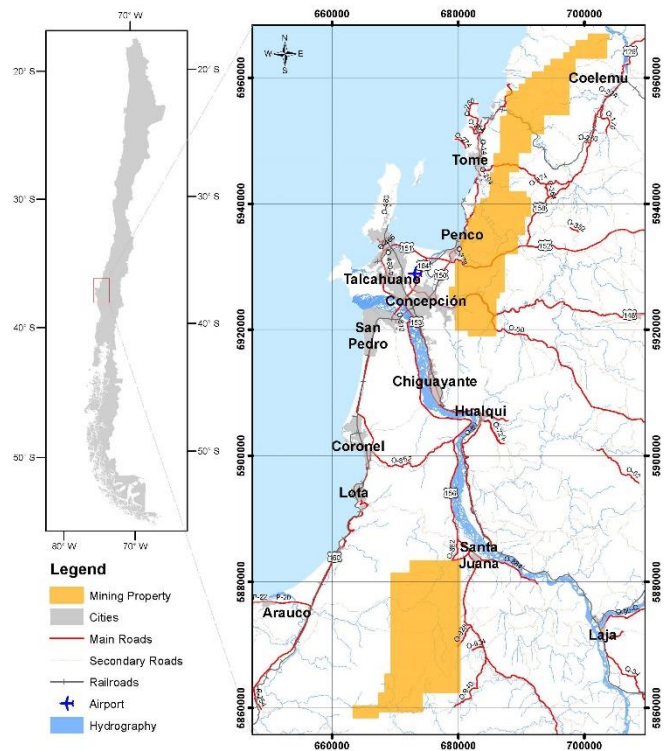
- BioLantánidos (BioL) is a Chilean private company that is 100% owned by the private fund FIP Lantánidos, managed by private equity firm Minería Activa
- BioL is ready to build the most competitive Rare Earths (“REE”) producing mine identified out of China
- Currently looking for \$40mm of funding for the construction of the initial production phase which will produce 1,700 tpy of separated Rare Earth Oxides (“REO”) and is expected to ramp up to 3,000 tpy in the next 4 years

Investment Highlights

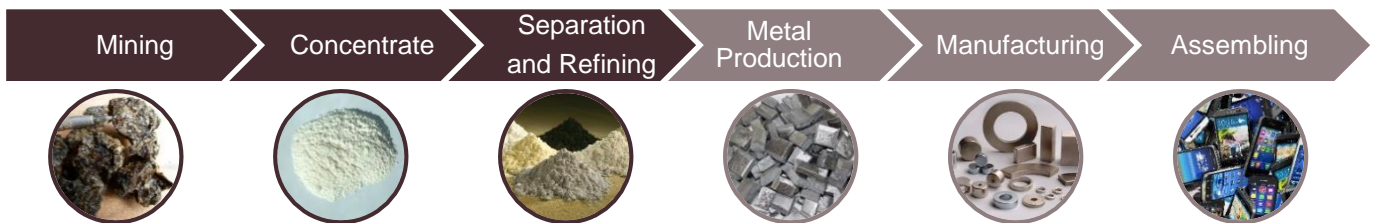
- ✔ **Exponential demand growth in REE permanent magnets used in electric vehicles, wind turbines, smartphones, among others**
- ✔ **Decrease of REE supply from Chinese illegal mining reduction and lack of economically viable new projects**
- ✔ **BioL mixed REO price has increased 30% YTD Aug-17 and is expected to increase further in the coming years**
- ✔ **Only known developed Ionic Clay deposit located outside of China**
- ✔ **Most competitive mixed REO production cost and highest value composition**
- ✔ **US\$6/kg mixed REO opex with US\$37/kg contained REO value as of Aug 2017**

Location

BioLantánidos has consolidated REE Resources in Penco and Rio Lia districts in the Biobío Region. Penco is only 15 km from Concepción and 500 km south of Santiago, Chile



BioLantánidos’ goal is to sell separated Rare Earth Oxides



NI 43-101 Resource Estimation (Penco)⁽¹⁾

Cutoff (ppm REO)	Tonnes (Mt)	Average grade (ppm REO)	REO in- situ (ton)
150	20,9	629	13,150
120	21,4	618	13,210
100	22,2	600	13,300
0	23,0	580	13,360

⁽¹⁾ NI 43-101 Resource Estimation update as of September 2016

Exploration Potential

BioLantanidos has the potential to increase resources by over 6x

Location	Tonnes (Mt)	Average grade (ppm REO)
Penco district	49	615
Rio Lia district	52	306
Other districts	20	400-600

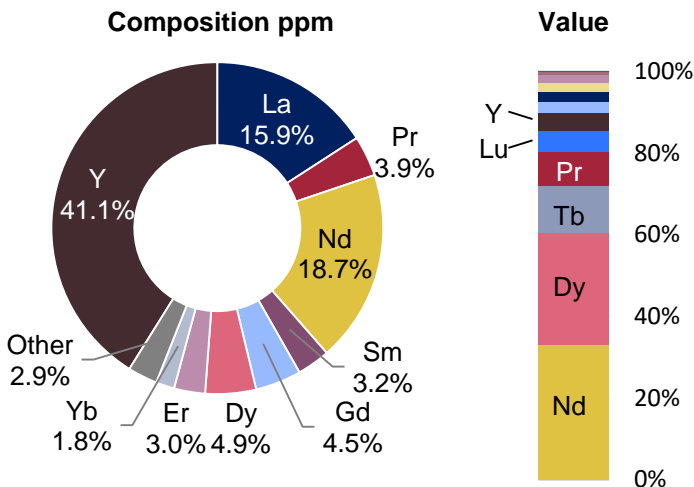
Unique Process - Close Continuous Leaching

- BioLantanidos' mixed REO has been produced at its Pilot Plant and endorsed by both Chinese and western REO producing players
- Desorption and precipitation processes produces +92% quality mixed REO concentrate
- Product does not have any radioactive elements in its compounds
- BioL will be first sustainable, traceable and geopolitical independent source of heavy REE

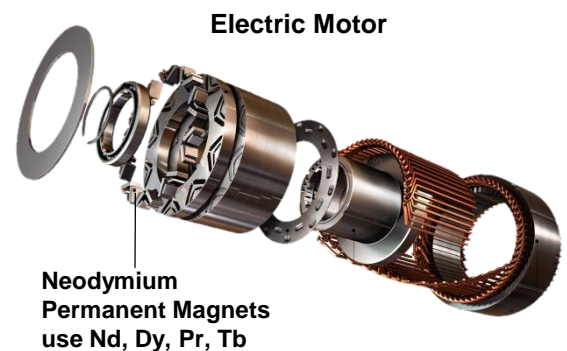
BioLantanidos' processing Pilot Plant



Nd, Dy, Tb, Pr make 80% of BioL mixed REO value, with high demand for permanent magnets



Electric motors efficiency relies on the magnetic properties of specific rare earth:



Source: General Motors

Contact Information

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