



# signumBOX

## Corporate Presentation – April 2012

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# About us

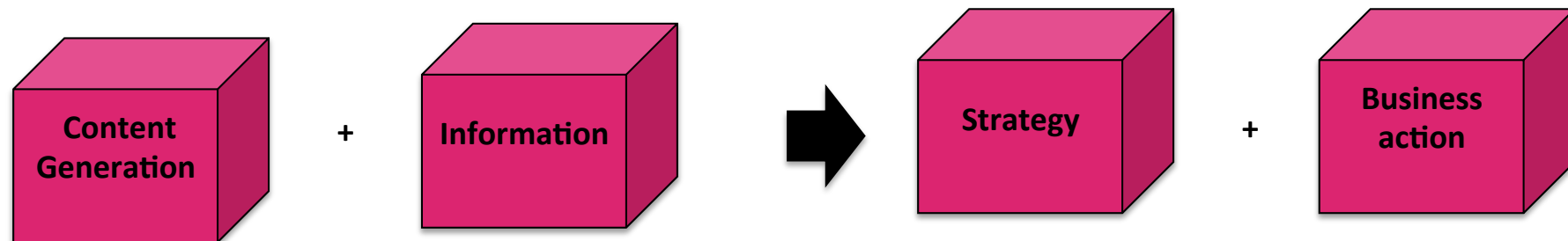


**signumBOX** is a Chilean consulting company focused on **market intelligence** in natural resources, chemicals and technology.

Through our products and services, you will receive updated information about markets of interest to you and your company.

**More than 30 companies around the world have relied on us**

**signumBOX, SIGNALS FOR DECISION MAKERS**



## Our Team



We are a multidisciplinary team with high level of expertise. Our team members are professionals with PhDs, MBAs and Masters of Sciences in the fields of economics, natural resources, finance, chemistry and engineering.

# Industries we cover



- Lithium
- Graphite
- Phosphates
- Aluminum
- Rare earths
- Iodine
- Potassium
- Nitrates
- Batteries
- Refractories
- Automotive
- Among others

## **We offer:**

- Exports/imports track: volumes and prices
- Market analysis
- Price forecast
- Project evaluations
- Costs modeling
- SWOT analysis
- Business opportunities

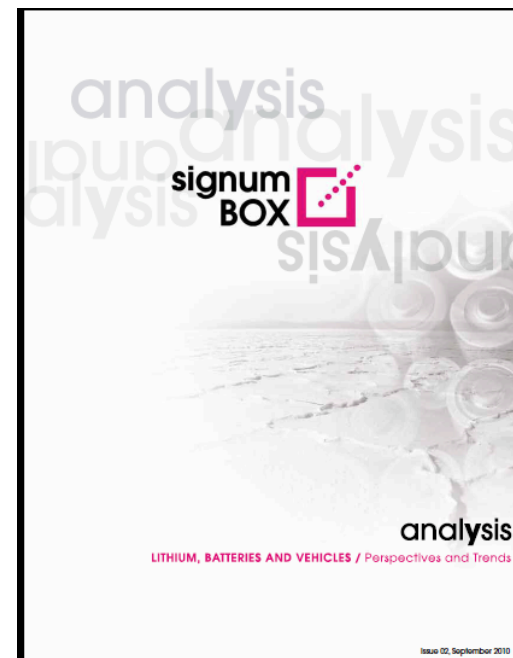
# signumBOX & the Lithium Industry: Our products



## signumBOX At the Moment: Lithium Batteries and Vehicles



## signumBOX Analysis: Lithium, Batteries and Vehicles – Perspectives and Trends



# signumBOX At the Moment “Lithium, Batteries and Vehicles”



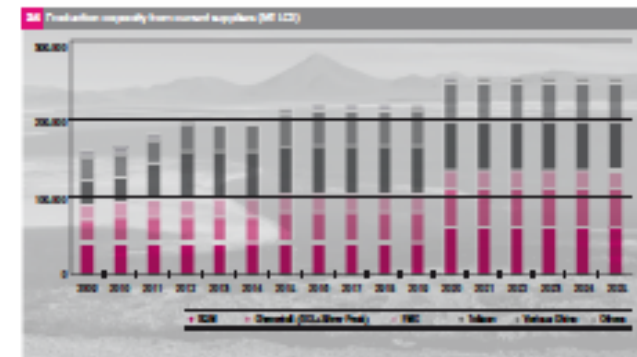
- Bi-weekly report
- Presents the latest announcements and news of the lithium, batteries and automotive industries
- Easy to read
- Information from primary sources



# signumBOX Analysis “Lithium, Batteries and Vehicles: Perspectives and Trends”



- Deep analysis of the lithium, batteries and automotive industries
- Forecast of lithium demand for batteries and other applications
- Forecast of lithium demand for automotive batteries
- Deep analysis of current supply of lithium
- **Evaluation of 92 lithium projects currently under study**
- Ranking of lithium projects
- Future production capacity: from current producers and new companies
- Lithium price forecast



Source: signumBOX estimate.

## 2.4. New Lithium projects

### DESCRIPTION

As we have highlighted in the previous state of the report, separation activity in the lithium industry has increased rapidly in the last years. Demand expectations have driven companies to look for new lithium deposits and to start developing projects.

In the last issue of the report (July 2013) we presented 47 projects with this division's information as of August 2012. In the second edition (October 2013) we incorporated 11 additional projects. In the third edition we have incorporated these projects, totaling 60 projects evaluated.

All the data that we present in this report was obtained from companies' websites, reports and studies available by January 15th, 2014.

The information was also checked by most of the companies involved.

Over the 60 projects evaluated, 39 projects are based on pegmatites and 21 projects based on brines.

Regarding the lithium projects based on brines, most of them are located in Argentina (Jujuy and Catamarca provinces) and in the US (Utah). Most of the projects that are based on pegmatites are located in Canada.

Annex A.1 shows a summary with the main characteristics of the projects that we analyzed. As it can be observed, the majority of the companies are located in North America (Canada and the US). Most of the companies are separation companies which focus their main activity on the cathode materials derived.

# Presentation & Speeches in International Conferences



- Lithium Supply and Markets – Toronto, Canadá – January 2011
- Green Tech Minerals – Rio de Janeiro, Brasil – March 2011
- TREM 2011 “Technology & Rare Earth Metals” – Washington DC, USA – March 2011
- “Perspectivas Globales de Litio” – Salta, Argentina – August 2011
- Lithium Asia – Shanghai – September 2011
- Lithium Supply and Markets – Buenos Aires, Argentina – January 2012
- Etc.



## Some of our customers



- Qué Pasa Minería – Chile
- Cochilco – Chile
- Global X: Lithium ETF – US
- Galaxy Resources – Australia
- Nemaska Lithium – Canada
- FMC Lithium – US
- Li3 Energy – US/Chile
- Lithium Americas – Canada/Argentina
- Dundee Securities – Canada
- DLA Strategic Materials, US Government
- Toyota Tsusho
- Mitsui
- ANSAC
- Among others



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