

Summary

1. **Volume of investments required – \$ 11 260 thousand.**
2. **Production:**
 - chemical industry
 - manufacture of chemical products
 - calcium chloride technical hydrated State Standard (SS) 450-77
 - anti ice crust material "Icebreak"
 - additives for concrete and solutions

Manufacture production as a result of investments:

- bromine technical
 - lithium chloride
 - lithium bromide
 - reagent for heap leaching of noble metals (as alternative for cyanides)
 - additives for aluminum electrolysis
 - calcium chloride technical SS 450-77 calcined
3. **Trade marks – Anti Ice Crust Material "Icebreak".**

Company profile

Date of establishment – June 1998.

The company was established for project management of Znamensky Field development. 11 patents granted and 3 patents pending for brines extraction and processing technology. The company has been continuing R&D and practical works in this direction.

Description and value of capital assets – \$ 8220 ths:

- Pilot plant for lithium chloride
- Holes: one extractive hole – 1818 m, two injective holes – 750 m each
- Industrial buildings
- Power economy
- Motor road – 4000 meters long
- Camp – 11 dwelling houses
- Canteen building
- Domestic buildings
- Capacitive park
- Receiving (emergency) storehouses
- Secst-aqueous complex salt receiving plant
- Evaporation complex for hydrated salt receiving
- Patent rights

Signs of public recognition – Internet publications, publications in periodical press, scientific articles.

Number of employees – 15 persons.

Team

Jurgin Andrey – Head of the company, 32 y.o. An active, communicative person. Carried out a series of R&D works. The result has been industrial plants for chemical products of natural raw materials manufacture.

Employees – **Ryabzev A.**, PhD, and **Kovaldo P.**, PhD: natural raw materials extraction and processing of technology.

Products characteristics

Bromine technical – no manufacture in the Russian Federation. Consumers have to buy it abroad which is the reason why the production volume of products manufactured with bromine use cannot be extended.

Lithium chloride – no manufacture in the Russian Federation. Lithium market was monopolized by Chili producers of lithium carbonate, who regularly raise their product prices.

As a result the first cost for Chili staff consumers increases and the economical effectiveness of manufacture decreases.

Current state

Manufacture of calcium chloride technical hydrated SS 450-77, anti ice crust material "Icebreak", additives for concrete and solutions. Continue of geological research. Confirmed resources in the volume of 9900 ths m³.

Development strategy**Use of funds**

- | | |
|---|-----|
| 1. R&D | 16% |
| 2. Acquisition of fixed assets (chemical equipment) | 59% |
| 3. Marketing | 5% |
| 4. Acquisition of current assets | 17% |
| 5. Other | 3% |

Prospective outcome of investment

The result will be complex extraction of valuable components, lower of first cost, increase of output volume, increase of the JSC "Techras" share on the valuable chemical products' market.

Marketing & Markets

Manufacture of *Bromine Technical* – 900 tons per year, the company's market share among Russian producers – 37.5%. Sales – Russian chemical market, export market (the tentative agreement with Mada Group, Israel).

Manufacture of *Lithium Chloride* – 200 tons per year, the company's market share among Russian producers – 87%. Sales – the tentative agreement with "TWEL Invest Technology".

Manufacture of *Calcium Chloride Technical SS 450-77 calcined* – 40 000 tons per year, the company's market share among Russian producers 10%. Sales – 500 tons of product sale well.

Additives for concrete and solutions – 500 tons per year, the company's market share among Russian producers – 3–5%. Sales – building companies of Irkutsk. Contracts have been concluded for all manufacture volume.

Interaction with investor

51% shares of the company will be offered to the investor. Pay-back period for the investor is 5 years.