

How the technology was born

My friend Mr. Sergey Nikolaevich Azyukovsky had been working for 15 years as the general director of a military machine-building plant.

After he was in charge of all machine-building plants in Ukraine.

Then he was appointed as a head of the state company “Pivnichgeologia” (belongs to the State Service of geology and subsoil of Ukraine).

He studied out geology and applied completely new methods of minerals exploration. It brought together engineers from the space and nuclear industry, physicists, chemists, mathematicians and geologists into one team. This team includes 52 specialists who operate at the atomic level with analog infrared pictures.

For example, engineers from Skolkovo (Russia) are still behind for decades, because they work with digital pictures at the molecular level.

The history of technology

The technology was patented in Germany (we didn't extend validity of patents because it is expensive). The technology was tested in the USA.

We have already performed about 70 works in the world.

In 2019 we received the First Prize for the best technology for fresh water exploration in Spain at InterEcoForum (www.interecoforum.org).

What it can do

“See” fresh water, gas, oil, lithium, gold, diamonds and all other solid metals to a depth up to 5000 meters.

Also it can “see” field's contours, layers, reserves, occurrence depths, segmentation points and best sites for drilling.

For example: Kazakhstan. The depth is 5000 m. Gas condensate. The channel with a diameter of 50-60 meters. The pressure is 400 atmospheres and goes deep into the earth.

The pressure in the cap of the field is 160 atmospheres.

This technology is very necessary. It gives opportunity to “see” oil and gas in offshore fields in hard-to-reach areas.

It “sees” all the water streams underground, which looks like a tree with branches.

In the earth's crust it “sees” about 16 large "boilers" at deep depths.

For example: Namibia. Ocean water gets into a split in a volcanic vent and after it contacts with a temperature of 2 000 – 2 500 degrees. Turns into steam and accelerates under the earth's crust, absorbing all the elements useful for humans on the way and turns into underground rivers and lakes.

This place contains 30 times more water than on the land of rivers and lakes.

Our Technology can survey 50 000 square km per one month; it can survey 600 000 square km during one year.

It takes over 50 years for any other company in the world.

Who needs technology

The President of any country. The technology will make an underground map of all fresh water deposits and will indicate temperatures for 4th generation thermal power plants.

The President must provide future generation with:

- A) pure fresh water, agriculture, livestock rearing, plants and forest (& fire extinguishing system).
- B) clean and reliable energy.

Thermal power plants of the fourth generation.

For example:

An energy source with a temperature of + 360 degrees is taken from a depth of 4200m.

The capacity of plant is 100 megawatts, it costs USD 150 mln.

Each village, city has its own station.

Cost of operation makes 1 cent - 1 kW.

No power line needed. Ecology.

C) Financial safety bag.

The technology is looking for gold in the country of the president and in other countries. The Ministry of Finance finances the exploration, mining, and construction of refineries.

Gold is stored for future generations.

For Investor.

For example, Ukraine:

Native copper deposits in the amount of 1 million MT. An investor from his parent company invests USD 5 mln into exploration, pilot mining. After we approve the reserves of 1 million MT and form a set of documents according to the international standards.

Additionally, we order the feasibility study from the British company McLellan. The period of this stage is one year.

After registration, the entire set of documents will cost 10% of the total amount of copper sold during 10 years.

1 mln X 6000 = 6 bln USD. 10% of USD 6 bln = USD 600 mln.

Building a mine costs USD 150 mln. After we can move forward with extraction and production.

For example: Ukraine. Gold deposits with reserves of 83 MT.

Ukraine. Lithium deposits 1 million MT.

1 million MT is 100 million lithium batteries for Tesla cars of Elon Musk company.

- paperwork and formation of the set of documents on deposits – USD 5 mln.

- building a mine – USD 150 mln.

- mining lithium - 10 years

- building a factory for the production of lithium batteries

- selling 100 mln lithium batteries for USD 600 bln.

Good business! Spain. 500 square km between Malaga and Cordoba.

We need to get fresh water. Required financing - 2 mln euros.

We explore with new technology. Find water streams. We connect the underground water map with administrative map and we see where people need water supply.

We indicate drilling points from 150 to 1000 m.

We drill about 20 wells. Cities and towns, olive groves, pig farms and water users' cooperatives sign a contract for the purchase of water for 25 years. Payback period is 1 year.

Who doesn't need our technology

Classical geological exploration. It is 70 years old. With the classical method you can explore an area for 4 years. Large companies spend USD 50 000 per square km. We do the work for 1-2 months, while the cost price even in hard-to-reach areas and on shelf is USD 2000 per sq km.

Other companies need a lot of workers and equipment.

Our recommendation. Such companies need firstly to study the area with our technology, and then validate the reserves and confirm our results using classical methods. It will be cheaper, faster and 100% more accurate.

How our technology works technically and financially

1. You give the coordinates of the area and tell which material we need to find.
2. Our engineers indicate the contours of the area according to your coordinates.
3. We coordinate it with you.
4. We define its value in USD.
5. We give them the application for filling task assignment and the draft contract.
6. We agree and sign.
7. You pay 100% of the contract value. There were examples when it was necessary to divide the contract into two parts. At the beginning we explored fresh water in a large area, and then we did precise work for efficiency.
8. After receiving payment, we buy from NASA analog pictures of the area according to your coordinates in infrared radiation.
9. Chemists apply the chemical composition of the material on the gel plate.
10. We add x-ray film.
11. We put all this under the irradiation of a nuclear reactor.
12. Further, physicists, chemists, mathematicians, geologists are engaged in decoding the obtained results.
13. After one or two months, we send the report to the customer on a USB flash drive and we provide one hard copy of the report.
14. We provide full confidentiality. Only the customer has a report.
15. We go to the first drilling site to check the GPS coordinates and drilling points.

Technology Perspective

- Negotiations are underway with the UAE leadership to announce our tech @ Dubai EXPO 2020
- We were invited to visit the Nobel Committee in Sweden in 2020.
- Our engineers already know how to determine the temp of the earth at a depth of 10000 meters
- We plan with future investors to incorporate the parent company named "Space Nadra" in any country, and open its 100% subsidiary company in Ukraine. Buy a building from the State Property Fund of Ukraine with 8000 square m for USD 8 mln. Gather all scientists and engineers there. After we would like to agree with the investor for the selection of 100 young specialists to work in Kyiv (Ukraine). Each scientist has 2 young specialists for training. In two years they will learn this technology. This way we will preserve the technology and develop it further.

Petr Zinchenko.