



«GEO ENERGY GROUP» LLP

AKTAU 2023





About Company

“GEO ENERGY GROUP” LLP was established in 2005.

In 2010, it merged with «Kazakhstan Caspi Shelf» (KCS) JCS, a service company, specializing in geological and geophysical research and hydrocarbon exploration. Since that time, seismic exploration has been one of the Company’s main activities.

A specialized marine flotilla, modern geophysical equipment, geophysical operations support base, and rich experience allows to carry out all kinds of seismic works by the highest standards, including linear and volumetric research both on land and at sea.

In 2015 GEO ENERGY GROUP LLP acquired 100% of PGS-Khazar LLC (RF) assets, currently re-registered as GGS-Khazar LLC.

The company has certificates for compliance with the requirements of ST RK ISO 9001-2016, ST RK ISO 14001-2016, ST RK ISO 45001-2019.

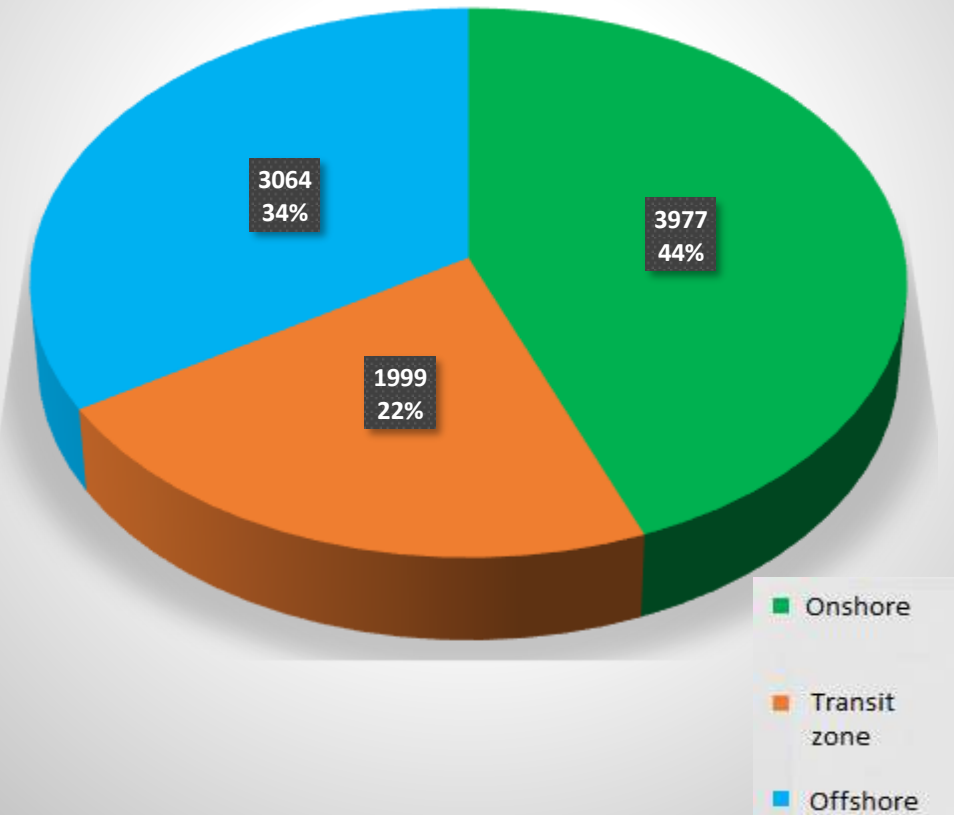




The volume of work performed

- The company has great experience in seismic exploration on land, sea and in the transit zone.
- During the period of activity of «GEO ENERGY GROUP» LLP the following seismic exploration were performed:
- **2D (two-dimensional seismic survey) - more than 20,000 km. on land, in the transit zone and at sea;**
- **3D (three-dimensional seismic survey) - more than 9,000 sq. km., on land, in the transit zone and at sea.**

Volume of 3D works by zones





Seismic Exploration Customers

Permanent and long-term Customers of seismic exploration, as well as volumes of processing and interpretation of geophysical data are JSC NC KazMunayGas and JSC RD KazMunayGas - the largest oil producing companies of the Republic of Kazakhstan.

The main customers were such companies as:

- JSC “Atyraumunaigas” (shareholders of JSC “KazMunayGas” and CNPC);
- JSC “Embamunaigas” (shareholders of JSC “KazMunayGas”);
- JSC “Mangistaumunaigaz” (shareholders of JSC “KazMunayGas” and CNPC);
- “N Operating Company” LLP (shareholders Konoko Phillips);
- “Satpayev Operating” LLP (shareholders of JSC “KazMunayGas” and INOC);
- “Zhambyl Petroleum” LLP (JSC “KazMunayGas” shareholders);
- “ZNAN and KS” LLP (CNPC shareholders);
- “IOC” LLP (shareholders “KazMunayGas” and “ENI”);
- “AEKK Munai” LLP (KNOK shareholders);
- “BMG” LLP;





Equipment and equipping of seismic parties

- To perform seismic exploration, the company uses modern geophysical equipment and software from well-known global manufacturers SERCEL, Emerson E&P, ION, SEAMAP, InProspect, Radex and many other.
- The company has its own flotilla consisting of 9 special and 6 auxiliary vessels.

Tere are sufficient number of vibration sources (15 units) and other special equipment for work in various conditions.





Transit zone seismic survey

- For seismic exploration in transit zones the Company has the necessary amount of special equipment, including drilling rigs, all-terrain vehicles, etc.
- We strictly comply with the rules of QHSE while seismic exploration. In ecologically sensitive areas, we apply special technologies to reduce environmental impact.
- We have extensive experience in the following areas:
 - - coastal seas, bays, shoals, lagoons
 - - swamps, weeds, meadows and other similar places
 - - shallow lakes and river deltas





Onshore seismic survey operations

Our Company can offer and perform the full range of seismic surveys, including, but not limited to:

- Development and coordination of technical documentation and projects in the field of environmental protection;
- Field work with high data quality and compliance with all safety and environmental requirements;
- 2D, 3D data processing and interpretation

All relevant licenses and permits, qualified personnel, equipment and software are available to perform the survey :

- Data acquisition systems SERCEL-428;
- VE-432 /VE-464 synchronization systems;
- Nomad-65 Vibrators;





Offshore seismic survey operations

“GEO ENERGY GROUP” LLP has extensive experience in conducting offshore seismic survey operations.

Modern basic equipment and navigation systems are used for offshore seismic exploration:

- Gun controlling system Gunlink-2000;
- Searay100, Sercel-428 Recording system;
- Navigation system TriggerFish;
- Receiver positioning system Sonardyne;





Fleet

“GEO ENERGY GROUP” LLP has its own fleet for the seismic survey operations:

1. “Khazar-1” – seismic vessel;
2. “Khazar-2” – seismic vessel;
3. “Cable-1, 2, 3, 4” – seismic vessels;
4. “Kaiman 1, 2, 3, 4” – shallow water source and layout vessels;
5. “Tern” – source vessel;
6. “Kormarant” – source vessel;
7. “Western Shooter-2” – source vessel;
8. “Caspian Kyra” – source vessel;





Thank you for your attention!



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