



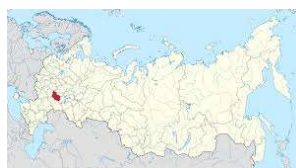
## INVESTMENT IN OIL & LITHIUM EXTRACTION PACHELMA PROJECT

### Project overview

- **Large-scale oil and lithium extraction project** in the Pachelma aulacogen, Penza region, Russia, covering over 2,755 square kilometers of proven hydrocarbon reserves.
- **Dual-commodity opportunity:** Primary focus on oil extraction with significant lithium co-production potential from formation waters, creating multiple revenue streams.
- **Proven reserves:** Comprehensive geological studies using satellite imagery analysis and seismic surveys have identified estimated extractable oil resources of **880 million tons** across two licensed areas.
- **Strategic lithium potential:** Formation waters contain lithium concentrations of 180-280 mg/kg in core samples, comparable to the major Kovyktinskoye field in Siberia with proven commercial lithium extraction.
- **Advanced preparation stage:** Licenses for Belynskiy and Nizhnelomovskiy areas are being finalized by the Project Company and will be obtained by September 15-17, 2025.
- **Established infrastructure:** Located in developed region with existing transport networks and industrial base, reducing operational complexity and costs.

### Project location and Resource Base

- **The project covers the Pachelma aulacogen** - the largest linear geological structure in western Penza region, spanning Pachelm, Bashmakovskiy, Nizhnelomovskiy, Zemetchino, Narovchat, Spassk, and Vadinsk districts.
- **Four identified prospect areas:** Belynskiy (500+ km<sup>2</sup>), Nizhnelomovskiy, Vadinskiy, and Bashmakovskiy areas, each with distinct geological characteristics and resource potential.
- **Multiple production horizons:**
  - Belynskaya + Irgizskaya formations (1,400-1,600m depth): 139M tons
  - Timan + Pashiy horizons (400m depth): 27M tons
  - Biisk horizon (700-800m depth): 14M tons
- **Gas-condensate reserves:** Additional 665 km<sup>2</sup> gas-condensate field in Upper Devonian deposits at 450-500m depth with associated lithium-rich brines.
- **Historical validation:** Previous drilling (1950-1953, 2011-2019) confirmed abundant oil shows, core samples with oil saturation, and lithium presence, establishing geological foundation.



### Resource Estimates & Development Costs

The project development will require comprehensive approach covering both oil extraction and lithium recovery infrastructure:

| Resource Category                                                   | Volume/Area         | Est. Value  |
|---------------------------------------------------------------------|---------------------|-------------|
| Belynskiy Area Oil Reserves                                         | 180M tons           | High        |
| Nizhnelomovskiy + Vadinskiy                                         | 500M+ tons          | Very High   |
| Bashmakovskiy Area                                                  | 200M tons           | High        |
| Gas-Condensate Field                                                | 665 km <sup>2</sup> | Significant |
| Lithium-Rich Brines                                                 | Entire field        | Strategic   |
| <b>Total Estimated Extractable Oil Resources: 880+ Million Tons</b> |                     |             |

Development phases will include drilling programs, production facilities, processing plants for oil refining, and specialized lithium extraction facilities for brine processing.

### Investment Propositions

- **Dual investment opportunities available:**
  - Option 1: Lithium-focused investment**
    - Acquire dedicated lithium extraction license
    - Focus on lithium recovery from formation waters
    - Process byproduct brines from oil operations
    - Lower initial capital requirements
    - Access to growing lithium market demand
  - Option 2: Joint oil & lithium development**
    - Partnership with license holder the Project Company
    - Investor provides equipment and technology
    - Shared revenues from both oil and lithium production
    - Comprehensive resource utilization
    - Maximum return potential
- **Strategic advantages:**
  - Proven geological reserves with historical validation
  - Multiple commodity streams reducing risk
  - Established regional infrastructure
  - Growing global lithium demand for EV batteries
  - Stable oil market fundamentals
- **Timeline:** Licenses finalization **September 2025**, with immediate development potential upon investor commitment.