

PROJECTS

Requiring Investments in Mangistau Region

Development of Zhezdybassay copper deposit

Project description

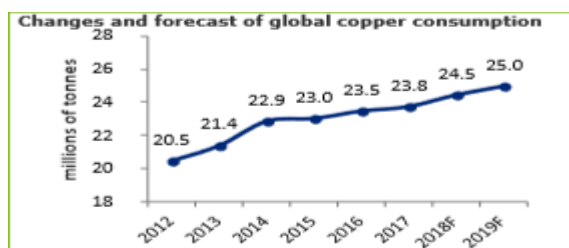
The project involves construction of an industrial complex for the extraction and beneficiation of copper ores at Zhezdybassay deposit and at nearby located deposits in the Mangystau region. Copper concentrate is planned to be processed into cathode copper at the copper plant KazZink, with its subsequent sale as a final product. The initiator - Tekhnogran Aktobe LLP (the subsoil use right for Zhezdybassay copper-ore deposit). The general resources within geological areas of Tekhnogran Aktobe LLP are estimated at 90 thousand tonnes of copper.

Project location



Market analysis

According to the World Bank's forecast, the moderate rise in prices for copper is expected as follows: 2018 - US\$ 6,800, 2019 - US\$ 6,816, 2020 - US\$ 6,833, 2021 - US\$ 6,849 per tonne.6% till 2022 which will drive the demand for energy. Demand for the refined copper is forecasted to increase by 2.99% and 2.15% in 2018 and 2019, respectively. Copper production in Kazakhstan meets domestic demand for this product; more than 80% of the produced copper is exported. In 2013-2017 the domestic production increased by 21%. Main consumer for the Kazakh refined copper is Chinese economy.



Target Investor Mandate

An investor should have:

- Investment resources

Sources: Statistics Committee of the Ministry for national economy of the RK, UN Comtrade, Official internet-resource of Aktau city

Investment highlights

| Index | Results |
|----------------------------------|---------|
| Investments, US\$ thousands | 23,000 |
| Project NPV, US\$ thousands | 29,435 |
| IRR,% | 29.5% |
| EBITDA return,% | 39-61% |
| Payback period, years | 7.4 |
| Discounted payback period, years | 8.7 |

Competitive advantage

At present, only Kazakhmys and Kazzinc have similar production facilities located far from the future Project. The Project's location in Mangistau Oblast has infrastructural advantages. In addition to motor roads and railways, the region has access to a port from where the goods are delivered to neighbouring countries. Tekhnogran Aktobe LLP's (Project's initiator) subsurface activity is actively supported by the Akimat of Mangistau Oblast and Kazakhstan Government.

Value proposition

This project allows to diversify economy of Mangistau region, decrease unemployment and improve state budget fulfillment.

Important notice

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Production of barite concentrate, barium and strontium at the “Northern Aurtas” deposit

Project description

The project involves the construction of an industrial complex for the extraction and enrichment of barite-celestial ores at the “Severny Aurtas” deposit in Mangystau Oblast, as well as the production of barite concentrate, Barium (Ba) and Strontium (Sr). The total ore reserves suitable for the production of barite concentrate, barium and strontium amount to 3.6 million tons. Project initiator – “Chemical Trading” LLP (subsoil use right to the “North Aurtas” field in the process of approval by the Ministry of Industry and Infrastructure Development of the Republic of Kazakhstan)

Project location

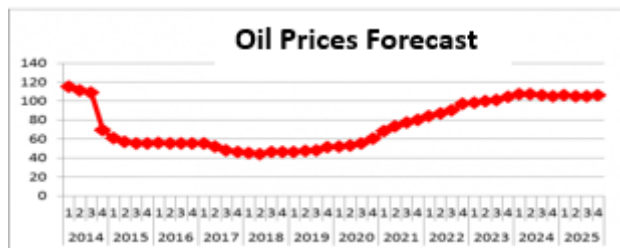


Economic indicators

| Description | Relative to barite concentrate | Relative to barium and strontium |
|--------------------------------|--------------------------------|----------------------------------|
| Production (in thousand tons) | 2,757 | 120 |
| Revenue (in mln USD) | 220 | 2,340 |
| Cost (in mln USD) | 101 | 1,764 |
| EBITDA (in mln USD) | 119 | 576 |
| Duration of the project, years | 10 | 10 |

Market analysis

The main consumers of barite concentrate are oil and gas companies. The demand for barite concentrate directly depends on oil prices. According to analysts of the US company Fitch, oil prices will grow, and accordingly the demand for barite concentrate is expected to be consistently high. The main consumer of strontium is the electronic industry. This market is also in positive growth.



Competitive advantage

At present, there is no production of barium and strontium in Kazakhstan and in the Russian Federation. The location of the deposit is in close proximity to oil and gas fields which gives a great advantage in logistics and it is also possible to export products by sea using the nearby seaport Aktau and Kuryk.

Value proposition

This project allows to diversify the economy of the Mangystau region, reduce unemployment rate and improve the filling of the state budget

Target Investor Mandate

- Access to foreign markets
- Opportunity to provide technology

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Development of iron-containing ores at the “Beskempir” deposit and production of cast iron according to the technology of “Romelt”

Project description

The project provisions the construction of an industrial complex for the development of iron ore at the Beskempir deposit in Mangistau Oblast. The technology “Romelt” is planned to be mastered together with the Russian company JSC VO “Tyazhpromeksport” and the Institute of Steel and Alloys and to build a plant for the production of pig iron with a capacity of 250 thousand tons per year. The initiator is “Technogran Aktobe” LLP (Contract No. 4624-TPI dated 19 June 2015, on the exploration of iron ores). The total resources within the geological zones of “Technogran Aktobe” LLP are estimated by hardware at 77 million tons of labor.

Project location



Market analysis

The global demand for metals, including steel products, depends on the growth of the global economy, in particular, on the growth of major economies such as the United States and the People’s Republic of China. According to statistics from World Fact Book, the annual growth of the world economy is about 3%. The extraction and export of metals has become the largest direction in the development of Kazakhstan after the oil industry. And the state is among the world leaders in the development of the metallurgical industry. The natural resources of the republic are rich - it is 6% of the total world reserves, which makes it one of the largest exporting countries.

Exports of ferrous metals - iron and steel account for 16% of the total volume of exported metals. The volume of world trade in finished products of the ferrous metallurgy is increasing from year to year and is today approximately 150–160 million tons per year

Target Investor Mandate

- Investment provision

Sources: Statistics Committee of the Ministry for national economy of the RK, UN Comtrade, Official internet-resource of Aktau city

Investment highlights

| Index | Results |
|-----------------------------|-----------|
| Investments, US\$ thousands | 1 692 858 |
| Project NPV, US\$ thousands | 24 387 |
| IRR,% | 18% |
| EBITDA, US\$ thousands | 486 696 |
| Payback period, years | 6.2 |

Competitive advantage

The location of the project in the Mangystau region has infrastructural advantages. In addition to roads and railways, the region has access to the port, from where goods are delivered to neighboring countries. The project of Technogran Aktobe LLP (the project initiator) is actively supported by the akimat of Mangistau Oblast and the Government of Kazakhstan. The production technology of cast iron "Romelt" allows you to reduce the cost of production of pig iron compared to the traditional method because it uses cheap steam coal instead of expensive coking, also provides a high degree of iron extraction from ore with a minimum iron content of 30%.

Value proposition

This project allows to diversify economy of Mangistau region, decrease unemployment and improve state budget fulfillment.

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JSC "Kaskor-Mashzavod" - Pipe Mill

Project description

Kaskor-Mashzavod JSC is one of the leading machine-building enterprises in the Republic of Kazakhstan. The plant is equipped with modern equipment, carrying out various technical complex types of work. The project involves the launch of a pipe mill for the production of seamless pipes of different diameters / smooth and planted. This project will be a new full-fledged plant with all the necessary infrastructure and equipment on an area of 10 hectares.

Project location



Market analysis

Currently, there is only one direct competitor in the region, producer of the seamless tubing and casing pipe (KSP Steel)

Investment highlights

| Index | Results |
|----------------------------------|---------|
| Investments, US\$ thousands | 250,000 |
| Project NPV, US\$ thousands | 32,032 |
| IRR, % | 9% |
| Payback period, years | 7 |
| Discounted payback period, years | 8.7 |

Competitive advantage

- the new production complex will have modern and high-tech equipment, as well as equipped with all the necessary infrastructure
- availability of international API certificate
- the use of digital equipment and accounting systems, automation of production processes
- the location of the complex is located in close proximity to the major oil fields in the region, as well as close to the Aktau seaport, which will allow export of products

Value proposition

This project will allow to increase workplaces, as well as to increase the average annual sales of the company's output

Target Investor Mandate

- Investment provision

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Plant for the production of nano-composite mixtures, Stage 1

Project description

The project envisages the construction of an integrated production of fiber concretes of a new generation based on innovative nano-technology for improving the properties of concrete stone on the territory of SEZ Morport Aktau. Production output includes the production of dry structural, heavy, lightweight and decorative concrete, gunning and cement mixtures for the mining and petroleum industries, various complex additives to concrete, mortars, manufactured in concrete goods. The initiator of the project is - "Zhau Zhurek Kurylys" LLP. The source of technology is the Finnish company Oy Cyclotec Ltd.

Project location



Market analysis

According to the Statistics Committee of the MNE RK, the pace of construction in Kazakhstan has been growing over the past few years. The market for construction and production of building materials is also high in the CIS countries and abroad. At present, the main products from the same with the designed plant, built together with partners in St. Petersburg, supply nano-additives to Israel, there are also agreements on supplies to European countries and to the United Arab Emirates. The export sales market is estimated to be at least \$ 5 billion.

According to the RD Kazmunaygaz, Corporation Kazakhmys LLP, Buzachi Operating Ltd. Llp Karazhanbasmunai JSC, JSC Samruk-Kazyna Real Estate Fund, their estimated consumption market size ranges from US \$ 300-500 million.

Target Investor Mandate

- Conclusion of a contract for the receipt of land in the Free Economic zone "Seaport Aktau"

Sources: Statistics Committee of the Ministry for national economy of the RK, UN Comtrade, Official internet-resource of Aktau city

Investment highlights

| Index | Results |
|---------------------------|---------|
| Investments, EURO in mln. | 100 |
| EBITDA, in mln EURO | 170 |
| ARR, % | 137 |
| Margin,% | 53% |
| Payback period, years | 5 |

Competitive advantage

Through the use of this technology based on nano-materials, a saving of more than 30% is achieved, compared with the use of bricks, and a better product is obtained. Due to its unique structural characteristics and indicators of flexural strength, nanoconcrete can be used in areas of high seismic activity and in harsh climatic conditions. Additional savings of more than three times are obtained during loading and unloading and transportation, since the weight and volume of products, structures and castings of nano-concrete is less than three or more times than from ordinary concrete..

Value proposition

This project allows to diversify economy of Mangistau region, decrease unemployment and improve state budget fulfillment.

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PROJECTS

Requiring Investments and
Technology in Mangistau Region

Construction of a solar power station at Shetpe with capacity of 20 MW

Project description

The project includes the construction of a solar power plant in v. Shetpe capacity of 20 MW. The land area will be 20-40 hectares, which meets the requirements for the production of electricity. The Ministry of Energy, together with the system operator KEGOC, JSC, developed a plan for the placement of facilities for the use of renewable energy sources. A potential private investor is determined by an auction that is held by the Settlement and Financial Center at KEGOC JSC, which is held annually in spring and autumn. The winner of the auction is provided with a guaranteed contract for the purchase of generated electricity by the Settlement and Financial Center for Renewable Energy Sources for 10-15 years.

Project location



Investment highlights

| | |
|--------------------|-----------|
| Initial Investment | \$20 mln. |
|--------------------|-----------|

Market analysis

On behalf of the President of the country, within the framework of the concept on the development of renewable energy sources, by 2020 it is necessary to ensure at least 3% of the output electricity from the total volume of electricity consumption through renewable energy. In the future, by 2050, at least 50%. Currently, in Mangystau Oblast, it has identified 5 locations for Solar Energy developments

Electric power balance in the Mangystau region, 2018, billion kWh

| | |
|-------------|-----|
| Procurement | 1,4 |
| Production | 3,2 |
| Consumption | 4,6 |

Target Investor Mandate

Private Investment

Competitive advantage

- I. A 15-year contract is concluded for the purchase of all electricity produced.
- ii. The Law "On Supporting the Use of Renewable Energy Sources" fixes tariffs subject to annual adjustments for inflation and the exchange rate. The tariff is 70% indexed by the CPI and 30% at the exchange rate.

Value proposition

This project allows to provide electricity to consumers in the Mangystau region through renewable energy sources and thus there is a guaranteed purchaser of electricity.

Important notice

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Construction of a solar power station at Beineu with capacity of 20 MW

Project description

The project includes the construction of a solar power plant in v. Beineu capacity of 20 MW. The land area will be 50-100 hectares, which meets the requirements for the production of electricity. The Ministry of Energy, together with the system operator KEGOC, JSC, developed a plan for the placement of facilities for the use of renewable energy sources. A potential private investor is determined by an auction that is held by the Settlement and Financial Center at KEGOC JSC, which is held annually in spring and autumn. The winner of the auction is a guaranteed contract for the purchase of generated electricity by the Settlement and Financial Center for Renewable Energy Sources for 10-15 years.

Project location



Beineu
50-100 Ha

Investment highlights

Initial Investment \$20 mln

Market analysis

On behalf of the President of the country, within the framework of the concept on the development of renewable energy sources, by 2020 it is necessary to ensure at least 3% of the output electricity from the total volume of electricity consumption through renewable energy. In the future, by 2050, at least 50%. Currently, in Mangystau Oblast, it has identified 5 locations for Solar Energy developments.

Electric power balance in the Mangystau region, 2018, billion kWh

| | |
|-------------|-----|
| Procurement | 1,4 |
| Production | 3,2 |
| Consumption | 4,6 |

Target Investor Mandate

Private Investment

Competitive advantage

- I. A 15-year contract is concluded for the purchase of all electricity produced.
- ii. The Law "On Supporting the Use of Renewable Energy Sources" fixes tariffs subject to annual adjustments for inflation and the exchange rate. The tariff is 70% indexed by the CPI and 30% at the exchange rate.

Value proposition

This project provides electricity to consumers in the Mangystau region at the expense of renewable energy sources.

Important notice

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Mineral Salt Exploration and Development Project: “Ashisor”, “Zhamanairakty” and “Zhanaaulie”

Project description

The project envisages the construction of the 1st ore processing plant at the Ashchisor mineral salt deposit, and the construction of the 2nd ore processing plant at the Zhamanairakty mineral salt deposit. At the Ashchisor deposit, the forecasted reserves of mineral salts are up to 70.0 million tons. In the Kultuk-Kaydak depression, the total projected reserves of mineral salts in the Dead Kultuk and Kaydak sora are up to 6.8 billion tons, including: 2.9 billion tons of sodium sulfate and 3.9 billion tons of other mineral salts and bischofite, and in part of the Zhamayrakty deposit, the forecasted reserves of mineral salts are up to 400.0 million tons.

Project location



Market analysis

The global market for sodium sulfate shows stable growth due to the Asia-Pacific region (China, Indonesia, India, South Korea, Malaysia) and Latin America (Brazil, Argentina, Mexico). Europe and North America will maintain a moderate growth rate of sodium sulfate production. The market volume of sodium sulfate in Russia in 2016 amounted to 927,109.2 tons, which is equivalent to \$ 85,326.7 thousand. The growth rate of the market volume was 9.9% of the total market volume and -3.7% of the value. The largest market share of sodium sulfate in Russia in 2016 was occupied by OJSC Kuchuksulfat. The share of society was 83% of the natural volume of the market. Novotroitsk Plant of Chromium Compounds ranks second with 7%, and Russky Chrome ZAO takes the third place with 5% of the total market volume. The volume of imports of sodium sulfate to Russia in 2016 amounted to 1 934.8 tons. Temp growth was equal to 158.9%. In 2015, the volume of imports amounted to 747.3 tons. The volume of imports of sodium sulfate to Russia in 2016 amounted to \$ 669.9 thousand. The pace growth was equal to 43.6%. In 2015, imports amounted to \$ 466.4 thousand

Target Investor Mandate

Private investments

Sources: Caspiy Salt LLP, Analytical Report DISCOVERY RESEARCH GROUP

Economic indicators

| Description | Parameters |
|--|--------------------|
| Total Investments | Up to 227,0 mln \$ |
| Total revenue | Up to 92,0 mln \$ |
| Total cost including land and property tax | Up to 34,2 mln \$ |
| Payback period, years | 6 |

Competitive advantage

Application:

- for construction
- for chemical industry
- for pools for use in oil production industry
- for the production of household chemicals, detergents and cleaners
- for feed production
- for the production of cosmetic funds
- for the beverage industry
- for glass production laboratory reagents research

Value proposition

The creation of complexes for the processing of mineral salts in the Mangystau region will open new to the area of production for the production of salt and soda products, mineral fertilizers, rare earth metals. Also in the future, on the basis of the products manufactured in the Mangystau region, it is possible to open production facilities for the production of glass products, synthetic detergents and cleaning products.

PROJECTS
requiring investments
through mechanism of
Public-Private Partnership

Combined cycle power plant of 250 MW at the site of LLP "MAEK-Kazatomprom"

Project description

The project envisages the construction of combined cycle gas turbine (CCGT) of 250 MW with an independent accommodation on site CHP-2 LLP "MAEK-Kazatomprom" and its subsequent operation. CCP 250 MW is to replace outgoing capacity in terms of production and feed:

- process steam to industrial enterprises industrial area MAEK and consumers, the main of which is a desalination plant for the production of distillate plant and industrial heat supply (CSEP and PZ);
- electric voltage of 110 kV Mangistau power center.

Project location



Area CHP-2
LLP "MAEK-
Kazatomprom"

Market analysis

250 MW CCGT is planned for the construction and intended mainly to cover their own energy needs and capacity of Mangistau area. Project Strengths: High Thermal efficiency; high efficiency; small emissions; reduced need for cooling water; maximum Energy production management process automation; short construction time (9-12 months). Compact sizes allow to build directly at the consumer (on the territory of CHP-2), which reduces the cost of transmission lines and transportation electricity, more eco-friendly compared to the steam turbine settings.

The mechanism of the project

- Public-private partnership - private investment, the payback period of 14.5 years.

sources: Energy and Utilities Management department of Mangistau government

Investment indicators

Initial investment : \$ 165 million.

Competitive advantage

This project will provide a reliable electricity and sustainable development electric power complex for Mangistau region to meet the power and capacity needs. Expecting to cover power deficit Mangistau area in 2018-2020 years

Summary of project benefits

Building combined-cycle plant will provide the following opportunities:

- increase efficient use of natural resources on the basis of modern technologies and equipment;
- Replacement of exhausted CHP-powered equipment with a more efficient and competitive in the global market power equipment, providing the combined production of electricity and heat with steam and gas technology;
- Covering increased electrical loads in the region, increasing the reliability of energy supply for the decommissioning of exhausted basic equipment resources of CHP-2 and increasing electrical loads power unit;
- Covers the loads of industrial enterprises which process steam industrial area and consumers LLP "MAEK-Kazatomprom", the main of which is a plant for the production of distillate and industrial heat and water supply (PZ and CSEP).

An important notification

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The expansion of desalination "Caspian" plant Aktau to increase drinking water capacity up to 40 000 m³ /day

Project description

Upgrading desalination "Caspian" plant is to increase the productivity of drinking water to 20,000 m³ /day. and adjusting the total capacity up to 40,000 m³ / day by additional input Clarification FEV-3,4-0,6 filters (15 pieces), the first reverse osmosis plants (5 pcs.) and second (1 pc.) and air conditioning filter stage FOV-3,4-0,6 (10 pieces) to an existing flowsheet.

Project location



Market analysis

There is a shortage in the amount of water consumption in the region - 47.0 thous.m³/day. and given the pace of development in the region to reach by 2025 to 86.0 thous.m³/day. The bulk of the water in the region comes from the MAEC, Volga, etc. The current population is growing and the economic area, also decreases the amount of water over the Volga.

Investment indicators

| | |
|-------------------------|-----------------|
| Initial Investment | \$ 27.8 million |
| The construction period | 2 years |

Competitive advantage

Products desalination plant "Caspian" will be needed to cover drinking deficit waters. As a result of the project desalination plant "Caspian" on the increase in productivity of drinking water to 40 000 m³ /day It is becoming the main water suppliers now the northern part of the city of Aktau and settlements Munaylinskogo. Karakiya. Tupkaragan and other areas, as well as a backup source of water supply in the region.

Summary of project benefits

Providing high-quality water to residents in the region.

The mechanism of realization of the project

- Public private partnership 10 years

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The construction of a gas turbine power plant 1x 384 MW in Zhanaozen

Project description

The project consists of a combined-cycle power plant based on natural gas, having 2 blocks with a total capacity of 384 * MW (* Performance in ISO conditions). The power supply consists of:

1. General Electric Gas Turbine Unit 244 MW
2. Alstom 140 MW steam turbine

Project location



Investment highlights

| | |
|--------------------|------------|
| Initial Investment | \$ 386 mln |
| Payback period | 25 years |

Market analysis

The total demand for natural gas is 1.6 million / m² per day with the equipment load at 85%.

Additional data

Direct employment - up to 250 jobs, indirect employment - up to 650 people. Additional development of the oil and gas industry. Development of infrastructure of the city of Zhanaozen through the creation of new jobs.

Value proposition

Provision of the region with energy

Target Investor Mandate

- Public-private partnership 25 years of operation
- private investment

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Construction and operation of multidisciplinary city hospital with 300 beds in the city of Aktau

Project description

The project envisages the creation of a new object - Multidisciplinary Municipal Hospital with 300 beds, providing access to high quality health care to the population and creation of conditions for efficient and safe organization of care.

Project location



Investment indicators

| | |
|--------------------|---------------|
| Initial investment | \$105 million |
|--------------------|---------------|

Market analysis

Annual population growth Aktau is 4-5%. Also, there is a high birth rate, high rates of endocrine diseases, diseases of the eye, cardiovascular diseases, respiratory diseases, organ diseases.

A congested Mangistau Regional Hospital (year of construction - 1982), Children's Hospital (year of construction 1978), even with ongoing and capital repairs does not allow to comply with patient-oriented approach, introduction of triage and other relevant requirements.

9.4% of treated patients in hospitals require rehabilitation.

Every year about 500 patients receive medical services in the region abroad (About 2,6 mln USD). It can be concluded that there is an acute shortage of hospitals in the region.

The mechanism of the project

- PPP
- private investment

sources: Health department of the Mangistau government

Competitive advantage

One of the first projects in the region which will be done according to international standards.

Start of development of health insurance in the Republic of Kazakhstan.

Summary of project benefits

Project expects the creation of high-tech inpatient medical organization dedicated to improving the quality of inpatient, advisory and diagnostic services with the extension provided by specialized types of services to the population of Aktau.

Strengthening material and technical base enterprises and increasing qualification of health care workers.

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Construction of the 50 m long swimming pool

Description of the project

It provides the creation of a new object – the swimming pool 50 m in length corresponding to the requirements of world standards.. Development of water sports. Creating a base for water sports. The possibility of opening the school for swimming.

Project location



Investment indicators

| | |
|--------------------|---------------|
| Initial investment | \$7.1 million |
|--------------------|---------------|

Market analysis

Currently in Mangistau region there is a Swimming junior sports school (as a part of the Sailing sports section). Students of a Swimming junior sports school show constant good results in national competitions. Mangistau region is missing a swimming pool 50 m long, which meets the requirements of international standards.

Competitive advantage

- I. In the western part of the country there is no such swimming pool.
- II. Ability to conduct national and international competitions.
- III. The influx of athletes and tourists to the region.

Summary of project benefits

The project allows to develop sports such as swimming, diving, scuba diving, water polo, rugby underwater, synchronized swimming. This project allows to prepare an Olympic reserve for national teams of Kazakhstan.

The mechanism of the project

- Public-private partnership
- Socio-Entrepreneurial Corporation

An important notification

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Construction of athletic stadium treadmill 400 m.

Project description

The project envisages the creation of a new object - the athletics stadium with a running track 400 m. corresponding to the requirements of the world standards.

Project location



Investment indicators

| | |
|--------------------|---------------|
| Initial investment | \$1.5 million |
|--------------------|---------------|

Market analysis

In the area there is no athletics stadium complies with international standards. In the region there are branch Athletics. aboutblast junior school sports in sailing. Mangistau athletes regularly win high places at various tournaments.

Competitive advantage

- I. Conducting national and international competitions.
- II. The influx of athletes and tourists to the region.

Summary of project benefits

This project gives opportunity of national and international competition, thereby contributing to the development of athletics in the region.

The mechanism of realization of the project

- Public private partnership
- Socio-Entrepreneurial Corporation

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Tourism projects

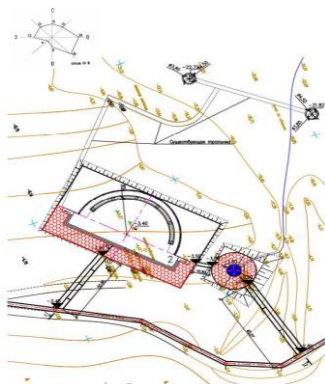
Requiring Investments in Mangistau Region

"Construction of the tourist route Seven Estuaries (Valley of the Stone Guards) in Tupkaragan area"

Project description

Administratively, the projected tourist route called Seven Estuaries Tupkaragan (Valley of the Stone Guards) is a part of Tupkaragan district Mangistau area. Land planning is accounted for slope to drain runoff water during rain and melting snow. Working project provides for vertical planning of the territory of the fountain, colonnade, rotunda and gazebo in conjunction with the projected construction, paving walkways. Trails are intended for the maximum preservation of the existing terrain.

Project location



Investment indicators

| | |
|--------------------|------------|
| Initial investment | \$0,46 mln |
|--------------------|------------|

Market analysis

The absence of such a project in the area that can serve as picturesque open-air for artists, poets, writers, artists people, that can become the venue for training sessions for pupils, students at the region's history, geography, literature, painting, ecology and to draw public attention to the conservation of natural resources, restoration of the historic heritage of the region.

Competitive advantage

Tupkaragan Bay and its surroundings are geographically attractive places. Unique natural landscape will be an attractive place of stay of tourists, travelers and tourists, focused on familiarization with the natural, cultural and historical sights of the Tupkaragan area.

Summary of project benefits

Development of tourism potential Mangistau areas by create conditions for relaxation and comfort of residents, domestic and foreign tourists. To attract tourists to the region also contributes to the creation of new jobs and solve the problems of unemployment.

The mechanism of realization of the project

Important notice

Interested in obtaining additional information must be registered in the _____. Please contact the project manager's name, phone +7 7172 _____ (_____) Exclusive owner of this document is to _____. This document has been prepared for information purposes only. _____ shall not be any guarantee regarding the completeness and accuracy of the information provided.

Building of historical and cultural park in the city of Aktau

Description of the project

The project involves the construction of a new facility - Historical and Cultural Park to mass excursion work, with the holding of thematic excursions. Project expects transformation into an open-air museum culturally significant sites in the region and creating an attractive facility for international and regional tourism routes. intensification historical memory and national consciousness of the Kazakh ethnos (patriotic education of all population groups, and especially children) And holding excursions at the appropriate level, with the use of modern multimedia technology and support materials.

Project location



Market analysis

The relevance of this project, on the one hand, is due to the great interest in the study and familiarizing the broad masses of the population to the rich historical and cultural heritage of Mangistau area. On the other hand, its practical importance for the development of tourism in the region, as well as intuitive the teaching of history in schools and educational institutions, systemic scientific study of history of the region, preserve local traditions and the possibility of more active participation of tourist companies to familiarize tourists with these interesting places.

The mechanism of realization of the project

SEC "Caspian"

Investment indicators

| | |
|--------------------|----------------|
| Initial investment | \$3.3 million |
| NPV | \$ 0.3 million |
| IRR | 21% |
| Payback period | 10 years |

Competitive advantage

Mangistau region is well-known for holy places that are subject to study and to further develop. Given the dynamic development of the tourism industry in the region, there is potential for manufacturing of stone exhibits.

In the area there are no similar projects, making competition non-existent.

For investors, the project could be attractive, since investor on the museum territory can attract entrepreneurs to rent pavilions for their own purpose.

Summary of project benefits

- Construction of a new historical and cultural park
- Bringing local cultural work to a new level, making an effort to further elevate tourism development in the region.

Important notice

Interested in getting more information request Contact project manager name, phone

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General Concept Projects
Requiring Investments in Mangistau Region

Building the Concert Hall for 1500 seats in Aktau

Description of the project

The project involves the construction of a new facility - concert hall with 1500 seats for the concert service of the population of the city and the region. This project will expand the coverage of concert services and promotes the spiritual development of the population. The required land area is 1.5 hectares. The land is already secured.

Project location



Market analysis

Mangistau region is dynamically developing tourism industry. Considering tourism potential and economic activity of the region, there is a high demand for concert halls of the leading artists of national and international level.

Existing concert halls do not meet international standards, nor do they meet the requirements for capacity of guests.

Price for rent hall (One event) is \$6700, for the year it calculates to be \$0.4 million.

The mechanism of realization of the project

Public private partnership

Investment indicators

| | |
|--------------------|---------------|
| Initial investment | \$7.8 million |
| NPV | \$0.4 million |
| IRR | 21% |
| Payback period | 20 years |

Competitive advantage

Absence of a similar project in the region.

Summary of project benefits

Creating the conditions for events in accordance with modern requirements
Servicing a large population;
The introduction of new types of cultural services;

Important notice

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Construction of an ice arena in Zhanaozen city

Project description

The project envisages the creation of a new object - the ice arena in Zhanaozen city. Competitions and training training process on ice sports, as well as the organization of mass skating and carrying out other entertainment events.

Project location



Investment indicators

| | |
|--------------------|-------------|
| Initial investment | \$5 million |
|--------------------|-------------|

Market analysis

In the city of Zhanaozen there is no ice rink, intended for sports competitions on winter sports, and for teams training and organization of mass skating and of cultural events and shows.

Competitive advantage

- No such Ice Arena in the vicinity
- The presence of a large customer base

The mechanism of realization of the project

Public-private partnership

Summary of project benefits

The project will allow competitions and training process for the following ice sports:

- hockey
- figure skating
- short track

and organization mass skating and conduct cultural events and shows

An important notification

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Construction of the racetrack for 4,000 seating with ethno aul

Project description

It provides for the creation of a new object - the racetrack for 4,000 people with ethno aul. Envisages the construction of a running track, grandstands, indoor arena, stables, indoor building for the storage of hay meadows for walking horses, hozblok Garages, medical center, dining, hotel, sports room, gym, shooting range, locker rooms, a library, a classroom.

Project location



Investment indicators

| | |
|--------------------|---------------|
| Initial investment | \$3.8 million |
|--------------------|---------------|

Market analysis

In the region there is the regional club of national sports. The main interest of club is the revival and further development of national sports, including Horseback riding. This club is one of the leaders in the country. Mangistau athletes are members of the national team of Kazakhstan. The region does not have the race course. The number of horses in the region is growing.

Competitive advantage

- I. Such an object is missing in the western region.
- II. The possibility of holding national and international competitions.
- III. Attracting tourists.

Summary of project benefits

Construction of the racetrack will give opportunity for national and international competitions.

The racetrack is possible to open branch hippotherapy for people with disabilities (cerebral palsy, Down syndrome, etc.) for their treatment and rehabilitation.

The project also helps to improve the tourism potential of the region.

The mechanism of realization of the project

Public private partnership

An important notification

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Building and operation of the hostel for students, 500 bed capacity in Aktau

Project description

The project envisages the creation of a new object - construction and operation of hostels for students of up to 500 beds in Aktau. To date, there is a shortage of places in hostels for students of technical and vocational education in the city of Aktau.

In the region there are 26 educational institutions of technical and vocational education, including the state-owned - 15, non-state - 11.

Project location



Market analysis

Dormitories are owned only by 3 public colleges with a design capacity of 442 beds and 1 non-state college - College of the Caspian Sea "Bolashak" 112 beds.

It is obvious the existing hostels shortage in the whole market of students hostels in the city of Aktau.

The lack of hostels for students of technical and vocational education in the city of Aktau is 1500 seats, which, in turn, once again confirms the need for this project.

The mechanism of realization of the project

SEC "Caspian"

sources: Mangistau regional education department

Investment indicators

| | |
|---------------------|---------------|
| Start-up investment | \$2.1 million |
|---------------------|---------------|

Competitive advantage

Guaranteed State contract for 8 years.

The possibility of starting commercial premises on the territory of the hostel.

Summary of project benefits

The project will:

- reduction the level of shortage of places in hostels for students;
- creation of favorable conditions for students for the duration of study.

An important notification

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