INDUSTRIAL INNOVATION PROJECTS



Ministry for Investment and Development, Republic of Kazakhstan

INDUSTRIAL INNOVATION PROJECTS



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INDUSTRIAL INNOVATION PROJECTS



ORGANIZATION OF FOUNDRY FOR CASTING

Aim of the project: localization of production of parts and components from different kinds of alloys for assembly of finished goods Applicant: "NC "Kazakhstan Engineering" JSC Implementation period: 2015 – 2025 Place of implementation: SEZ Astana Total project cost: 21,97 million US dollars Required investments: 10,99 million US dollars Current status: Submitted for consideration by the Investment and Innovation Committee of "NC "Kazakhstan Engineering" JSC IRR -18,20%, NPV - 4,5 million US dollars Payback period: 7 years Capacity: Steel: molten metal - 1300 tons, finished castings - 520 tons

Aluminum: molten metal - 450 tons, finished castings, - 180 tons Advantages: This project will enable the Company to increase the local content in the final product due to castings of finished parts that were previously imported **Sales market:** domestic market - 60%, export - 40% **Job creation:** construction – 30, operation - 120

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* — if it is current project / calculated

** — Feasibility studies, pre-project documentation

INDUSTRIAL INNOVATION PROJECTS



DEVELOPMENT OF THE VELIKHOVSKY IRON-ORE FIELD WITH THE CONSTRUCTION OF CONCENTRATING FACTORY

Aim of the project: Construction of the mining and processing works (MPW) in the Kargalinsky district Applicant : «Aktobe Temir-VS» DP» JSC

Implementation period: 2018-2020

Place of implementation: Aktobe region Kargalinsky district

Total project cost: 133 million US dollars

Financing scheme: own funds - 20%, borrowed funds - 80%

Required investments: equity, credit

Expected outcome: the creation of 700 workplaces, tax revenues to the budget.

Current status: Development of pre-feasibility report. According to the results of research works the report on enrichment is received from "SGS Vostok Limited" LLP.

For these purposes the company signed the contract with the Russian consulting company JSC «B2B Connect» which

investigated the world market and gives the expected price of the Titano-vanadium concentrate (TVC) till 2030. Shareholders should determine the feasibility of building the (MPV) mining and processing works in response of falling of the world prices for an iron ore concentrate (from 140 US dollars to 40 US dollars per ton.).

Infrastructure and Resources: The Velikhovskoye Yuzhnoye field

Sales market: Domestic market, export (50%) Job creation: 700

Requirements for investor: The sum – 19 320 million tenge, return term – 10 years, a grace period for return – 3 years, the planned remuneration rate – 8%

CONTACT INFORMATION:

The project manager – Mateshev T.S. + 7 (7132) 51 43 55



CONSTRUCTION OF THE IRON-ORE PROCESSING MINING AND METALLURGICAL PLANT

Aim of the project: The organization of an innovative, hi-tech and competitive, complex for processing of ferriferous ore and release of finished goods Applicant: Aktobe steel production LLP Implementation period: 2015-2019

Place of implementation: Shalkar area Aktobe region Total project cost: 162,2 million US dollars

Financing scheme: own means – 48,6 million US dollars, borrowed funds – 113,6 million US dollars

Required investments: credit/leasing, equity share in the capital

Expected outcome: Processing of ferriferous ore and production of an iron ore concentrate, the agglomerate, pellets and cast iron used in production of steel.

Current status: approval documents are signed, geological survey is carried out. Contracts intentions with suppliers and consumers of production are signed. The work is in progress with the Chinese company «Xin-Yen Scientific and Industrial Trading Company» (SUAR People's Republic of China) on the development of technology of

receiving a concentrate and co-investment of the project. IRR-87,9%, NPV - 2 334,75 million US dollars **Payback period**: 4,2 years.

Productivity: 8,0 million tons of a concentrate

Availability of documentation: the feasibility report is developed

Advantages: New workplaces, increase in tax contributions to the budget, increase of export potential **Infrastructure and Resources**: The right of production on the Kokbulakskoye field.

Sales market: People's Republic of China, Russian Federation, Europe

Job creation: 939

Requirements for investor: credit/leasing, individual share in the capital

CONTACT INFORMATION :

The project manager – Timofeev Y.I. +7 (7132) 778254

INDUSTRIAL INNOVATION PROJECTS



CONSTRUCTION OF PLANT ON PRODUCTION OF STRAIGHT-LINE-SEAM PIPES

Aim of the project: Create modern and competitive products

Applicant: "SEC "Saryarka" National Company

Implementation period: 2015-2018

Place of implementation: Karaganda, Special economic zone "Saryarka"

Total project cost: 26 million US dollars

Financing scheme: Investments in share capital

Required investments: 26 million US dollars

Expected outcome: Creation of modern, competitive production

Current status: The design estimate documentation is under development, the equipment is being selected IRR-18%, NPV - 3 millions US dollars

Payback period: 5 years

Available documentation: Business plan of the project Advantages: 100% security of raw materials, there is a qualified personnel and developed markets for products Infrastructure and Resources: available Sales market: The Republic of Kazakhstan Job creation: 300 Requirements for investors: Availability of funds

CONTACT INFORMATION:

required for the project

"SEC "Saryarka" National Company +7 (7212) 40 09 71

INDUSTRIAL INNOVATION PROJECTS



PRODUCTION AND PROCESSING OF POLYMETALLIC ORES AT ALAIGYR DEPOSIT

Aim of the project: Production and processing of polymetallic ores

Applicant: "Tau-Ken Samruk" JSC

Implementation period: 2014 – 2017

Place of implementation: Karagandy region

Total project cost: 102 million US dollars

Financing scheme: Own means – 51%, borrowed funds – 49%

Required investments : Investments needed for capital expenditures

Expected outcome: A loan borrowing

Current status: Feasibility study, technical regulation for beneficiation has been developed, land registration for mining complex construction is in process, designs of mining under development

Productivity: Lead in concentrate – 34 thousand tons, silver in concentrate 15 thousand tons

Availability of documentation: There are feasibility study business plan, process regulation and design estimate documentation is partially

Advantages: The project is located very close to one of the largest world zinc importers – China, allowing effective transportation ways of zinc products to China Infrastructure and Resources: Railway line, power

lines, availability of water, substation, nearest village Sales market: Kazakhstan, China Job creation: 345

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INDUSTRIAL INNOVATION PROJECTS



MANUFACTURE OF AN ALUMINIUM PROFILE AND FOIL

The purpose and idea of the project: Manufacture of an aluminium profile and foil The applicant: ALKOMET company The period of realization: 2015-2019 Place of realization: Pavlodar oblast, Pavlodar Total cost of the project: 110 millions US dollars Financing scheme: 50 % own means Required investments: 55 million US dollars Expected result: Manufacture of aluminium production The current condition: The feasibility study approval is developed Payback period: 8 years

Availability of documentation: feasibility study approval

Advantages: Absence manufacture of a foil in Kazakhstan Infrastructure and Resources: SEZ Pavlodar Sales market: Kazakhstan, EAEU Creation of workplaces: 300 The requirement to investors: 50 % financing

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PROCESSING OF ALUMOSILICATES RAW MATERIALS

The purpose and idea of the project: Processing of ash after coal combustion in order to receive high quality industrial product in the quantity of 100 thousand ton **The applicant:** Dmitriev L.N.

The period of realization: 2016-2017

Place of realization: Pavlodar region, Pavlodar Total cost of the project: 53 million US dollars The circuit of financing: Creation of joint venture

Required investments: 50 million US dollars

Expected result: questions of improvement of ecology are solved due to reduction of volumes of warehousing of ashes.

The current condition: it is developed by the feasibility study approval

Time of recovery of outlay - 2 years

Presence of the documentation: the feasibility study approval

Advantages:

Sintering of ashes about sodium containing alloy, acid processing with translation acid-soluble connections

Fe, Al, Ca, Mg, impurity of rare metals in chloride solution and reception seashtofe (insoluble in an acid) Processing of seashtofe under alkaline circuit Na2SiO3 and the subsequent allocation amorphous SiO2 a method carbonization, water - acid washing SiO2 from impurity Al2O3, CaO, MgO with reception high-quality amorphous SiO2 with the developed surface more than 650 m2/gr of substance

Infrastructure and resources: SEZ Pavlodar Commodity market: Export beyond Republic of Kazakhstan

Creation of workplaces: 300 person The requirement to investors: 100 % financing

THE CONTACT INFORMATION:

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INDUSTRIAL INNOVATION PROJECTS



CONSTRUCTION OF THE ELECTRIC FURNACE STEELMAKING PLANT

Aim of the project: The construction of electric furnace complex to provide the rail and structural steel plant with high quality raw materials of own production.

Applicant: «Aktobe Generation" LLP

Implementation period: 2016-2019

Place of implementation: Aktobe

Total project cost: 275.7 million US dollars

Financing scheme: being defined

Required investments: credit / leasing, equity participation

Expected outcome: the creation of 450 workplaces, tax revenues to the budget. Construction of the electric furnace steelmaking complex is necessary to provide the rail and structural plant with high quality raw materials of own production.

Current status: feasibility study on the development stage IRR- indicators of efficiency will be determined after development of the feasibility study NPV- indicators of efficiency will be determined after development of the feasibility study Payback period: indicators of efficiency will be determined after development of the feasibility study

Productivity: 533 thousand tons

Availability of documentation: available business plan Advantages: Production of rail steel and continuous casting billets for rail and section works. Export substitution Infrastructure and Resources: There is no infrastructure. After the selection of the supplier, development and the approval of the feasibility study report the issues of signing contracts on the delivery of raw materials for the long-term period will be considered.

Sales market: LLP "Aktobe Rail and Section Works" Job creation: 450

Requirements for investors: credit / leasing, equity participation

CONTACT INFORMATION:

The project manager – Ibragimov Marat Yadykarovich +7 (7132) 74 11 96, 74 11 98, 74 11 99

INDUSTRIAL INNOVATION PROJECTS



DROZHILOVSKY MINING AND PROCESSING COMPLEX IN THE DENISOVSKY DISTRICT

Aim of the project: Development of a molybdenumtungsten field with construction of a mining and processing complex with an annual production rate of 5 million tons on production and processing of ore.

Applicant: LLC Kazakhstan-Russian ore company Implementation period: 2015-2017 years

Place of implementation: Kostanay region, Denisovsky district

Total project cost: 90,93 million US dollars Financing scheme: 30% means of LLC Kazakhstan-

Russian ore company, 70% borrowed funds

Required investments: 63,65 mln million US dollars **Expected outcome:** creation of production of a full industrial cycle of molybdenic and tungsten concentrates **Current status:** At a realization stage

IRR 67%,NPV 656,5 million US dollars

Payback period: 4,2 years

Productivity: 14 074 tons of a molybdenum concentrate, 3 397 tons of a tungsten concentrate.

Availability of documentation: The feasibility report is executed

Advantages: close arrangement rail ways and power lines

Infrastructure and Resources: Land plot of 452,9 hectares in size for conducting works on development of a field and construction and operation of concentrating factory.

Sales market : CIS Job creation : 863

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INDUSTRIAL INNOVATION PROJECTS



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EXPLORATION, EXTRACTION, ENRICHMENT AND PROCESSING OF KAOLIN-QUARTZ-FELDSPAR ORES AT BISEMBAYEVSKOYE DEPOSIT

Aim of the project: Thorough exploration and entering the revealed industrial reserves of the deposit complex ores to the State Balance of the Republic of Kazakhstan. Designing and construction of the open pits for development of the deposit, designing and construction of the processing facility for mined ore and production of feldspar, quartz, kaolin and other commercial products.

Applicant : «NEGS Geosphere» LLC

Implementation period: 2015 – 2045

Place of implementation: Denisovskiy district, Kostanay region,

Total project cost: 918,5 million US dollars

Financing scheme: private investments, including direct (portfolio) foreign investment and loans

Required investments: - 915,8 million US dollars

Expected outcome: It is reasonable to build facing products (ceramic tiles, ceramic granite), glass, facing brick, tiling, packing materials, mineral fertilizers production plants at the unique deposit.

 $\label{eq:current status: Implementation Phase 1 - the completion of detailed exploration deposits and reserves statement, design work on the completion of the detailed exploration of the deposit.$

Payback period: 2,5 - 8 years

Productivity: Facing products - 26 million sq. M. m, the glass - 20 million sq. m. m, cardboard and gypsum board 700 ths. tons of

aluminum - 500 thousand tons of cement - 2600 thousand tons of bricks - 50 million units and other products.

Availability of documentation: The work program and the financial and economic model in accordance with the contract for subsoil use, reports on geological exploration, reports on technology enrichment complex raw materials.

Advantages: products annual value will exceed 1,150 mln. USD, unique reserves and a very simple structure of the deposit. This project will solve the problems of mineral resources development for construction industry and create ceramic, glass and other product plants. The project is focused on replacement of up to 85-90 % of import with the similar products made in the Republic of Kazakhstan.

Infrastructure and Resources: The distance to the railway station is 25 km, asphalt roads are available, power lines 200 and 500 go through the area, the gas pipeline «Bukhara-Ural» is 3 km away from the deposit, proximity to the settlements with well-developed infrastructure for extraction and processing

Sales market: The Republic of Kazakhstan is 65-80 %, export to the CIS countries is 20-35 %.

Job creation: up to 2,5 thousand new highly qualified jobs.

Requirements for investor : domestic and/or foreign investors interested in the project.



CHEMISTRY

INDUSTRIAL INNOVATION PROJECTS

PLANT FOR THE PRODUCTION OF HYDROGEN PEROXIDE

Aim of the project: Production of highly chemical products, such as hydrogen peroxide by innovative scheme

Applicant : "AziaTechnoService" LLP

Implementation period : 2 years

Place of implementation : Atyrau region, Makat district, Dossorvillage, Embinskiy area

Total project cost : 35 million US dollars

Financing scheme : New construction

Required investments : 35 million US dollars

Expected outcome: Production of 100% hydrogen peroxide (technical).

Current status: Pre-invstment

Payback period : 3 years

Productivity: 15 000-30 000 tons/year

Availability of documentation: Business plan and agreements with foreign partners.

Advantages : Demand in RK is growing by 5.5%, however, own production of hydrogen peroxide in Kazakhstan is absent.

Infrastructure and Resources : large amount of raw material availability.

Sales market : The largest consumers of the Republic of Kazakhstan and the CIS.

Job creation : 120

Requirements for investor : willingness to give up a share of 70%.

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INDUSTRIAL INNOVATION PROJECTS

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PRODUCTION OF METHANOL AND AMMONIA AND PRODUCTS ON ITS BASIS

Aim of the project: Construction of the plant for the production of methanol, ammonia, basic products of the chemical industry, with the possibility to recycle in the country and to export with high value added.

Applicant: United Chemical Company LLP

Implementation period: 2015 – 2022

Place of implementation: Zhambyl region, SEZ Chem-park Taraz

Total project cost: 1 154 million US dollars

Financing scheme: Own funds- 346 million US dollars (30%).

Debt funds – 808 million US dollars (70 %)

Required investments: 808 million US dollars

Expected outcome: Development of chemical industry in Kazakhstan, creation of new workplaces

Current status: Concept of the project is developed.

Work on pre-DFS and DFS development in process.

IRR-7,6 %, NPV - 113,4 million US dollars

Payback period: 14,9 years

Productivity : Methanol: 200 mln. m3/year of natural gas **Ammonia**: 500 mln. m3/year up to 800 mln. m3/year of natural gas

Availability of documentation: absent

Advantages : «Production of methanol and ammonia and products based on them» is one of the major long-term projects that affect the positive activity of the SEZ, and is the raw material for the production of the project a large range of chemical products (including in the framework of 11 projects). Currently there are no factories for the production of methanol in Kazakhstan . Ammonia production may have a positive impact on the development of agriculture

Infrastructure and Resources : Necessary transport infrastructure will be provided by SEZ «Chempark Taraz» (access road, rail way). Connection to the necessary communications will be provided by SEZ «Chempark Taraz» (drinking and industrial water, electricity, gas, sewage, etc.)

Sales market : Will be determined by the results of preliminary Feasibility Study and Feasibility Study

Job creation: Will be determined by the results of preliminary Feasibility Study and Feasibility Study

Requirements for investor: The experience in implementation of similar projects, providing debt financing, providing the project by off-take contracts.

CHEMISTRY

INDUSTRIAL INNOVATION PROJECTS



PRODUCTION OF SODA ASH

Aim of the project: Construction of plant on production of the calcinated soda

Applicant: Akimat of Zhambyl oblast

Implementation period: 2016-2018

Place of implementation : Zhambyl oblast, Sarysu region

Total project cost : 274 million US dollars

Financing scheme: installation and construction works: 129 million US dollars, equipment: 145 million US dollars **Required investments:** 274 million US dollars

Expected outcome:creation of production of the calcinated soda power: brand B - 400 thousand tons/ year, brand A - 200 thousand tons/year, sodium two-carbonic - 10 thousand tons/year

products cost: 100 millions US dollars IRR - 11,78%, NPV - 92,5 millions US dollars

Infrastructure and Resources:

Sorkol field of rock salt (stocks of 1,93 billion tons, the maintenance of NaCl - 66%)

limestone fields Aksay (stocks of 12,7 million tons), Aktau and Aktau-1; existence near sources of gas, water and power supply

Sales market: Kazakhstan, CIS countries Job creation: 500

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INDUSTRIAL INNOVATION PROJECTS



INNOVATIVE PRODUCTION OF CARBIDE OF SILICON

Aim of the project: Technology of receipt of silicon carbide in a reactor with electrothermal boiling a layer was developed by the partners of the Innovative park of L.N.Gumilov Eurasian National University - by scientists from A.V. Luikov Heat and mass transfer institute of the National academy of science of Belarus. The innovativeness and reliability of technology is confirmed by diplomas and quality certificates.

Declarant : Innovative park of L.N.Gumilov Eurasian National University

Implementation period: Development, making, delivery and editing and start-adjusting of equipment after signing of contract and receipt of advance - 1.5 year.

Place of implementation: Kyzylorda region

Total project cost : 4,7 million US dollars

Required investments: I stage - 4, 7 million US dollars (for all expenses) + 230 thousand US dollars (for oper. charges),II stage of - 130 million US dollars (for all

expenses) + 5 million US dollars (for oper. charges) Expected outcome: 20000 топ per year of carbide of silicon

Current status:

Realization of a 1 stage, offer the Chinese investor, for 2 and 3 to the stage: T \ni O is worked out

Payback period: 5 years

Productivity :* 1 stage -project power 700 Ton/year, 2 stage -project power 20000 Ton/year

z stage -project power 20000 ron/year

Availability of documentation :** Presentation Job creation: 100

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INDUSTRIAL INNOVATION PROJECTS



CONSTRUCTION OF FERROALLOY PLANT MANUFACTURING OF LOW-ALUMINIUMFERROSILICIUM IN KYZYLORDA

Aim of the project: "NC» SEC «Baikonur " JSC Implementation period : 2014 – 2017 Place of implementation : Kyzylorda oblast Total project cost : 253,2 million US dollars Financing scheme :

- "NC» SEC «Baikonur" JSC

- Partner and other investors

Required investments : 67%

Expected outcome: Production capacity of ferroalloy plant is 160 thousand ton per year

Current status: Implementation of 1st stage is considered the technology proposed by Chinese investors on 2nd and 3rd stages: Feasibility study developed

Payback period : 6 years

Productivity : 160 thousand ton per year

Availability of documentation : Memorandum between Akimat of the Kyzylorda region and company

«Ningxia Baota Petrochemical Technology Industrial Development Co., Ltd» (Baota).

Feasibility study of the project «Building of ferroalloy plant on the production of the special and complex alloys in city Kyzylorda» is prepared.

Infrastructure and Resources : Currently, the work is underway to modernize existing power plants and by 2016 it is planned a settlement of 200 MW of electricity to the industrial zone for the ferroalloy plant **Job creation** : 600

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NC» SEC «Baikonur JSC +7 (7242) 60-50-82, 60-51-63, office spk@mail.ru

INDUSTRIAL INNOVATION PROJECTS



MANUFACTURE OF POLYALUMINIUM OF CHLORIDE (PAC) PRODUCTION

Aim of the project: Production organization

Applicant : Himpromprodukt LLP

Implementation period : 2016 – 2019

Place of implementation : SEZ Pavlodar, Pavlodar oblast

Total project cost : 9,25 million US dollars

Financing scheme : Loans

Required investments : 9,25 million US dollars

Expected outcome : Manufacture of Polyaluminium of chloride

Current status: The implementation of 1, 2 and 3 stages:feasibility study, development of the design - budget documentation,

construction.

Payback period : 5 years (in view of time for start) **Productivity** : 10 0000 ton / year

Availability of documentation : Feasibility study in development

Advantages : There is no similar production in Kazakhstan

The product is superior that its analogues economically and technologically. There are all the necessary raw materials of local production, it is easy to increase production, the existence of the market in the Republic of Kazakhstan, the market is not susceptible to the macroeconomic risks, partners with vast experience in the production of chemicals.

Sales market : Utilities, power plants, chemical industry, oil and metals extraction in Kazakhstan. Job creation : 25

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PETROLEUM CHEMISTRY





PETROLEUM CHEMISTRY

INDUSTRIAL INNOVATION PROJECTS



PRODUCTION OF ETHYL TERT-BUTYL ETHER (ETBE)

Aim and idea of the project: production of motor gasoline as oxygenizing additive that increases octane Applicant : "Batys power" LLP Period: 2015—2020 Location: West Kazakhstan, Uralsk Total project cost: 350 million US Dollars Required investments: 350 million US Dollars Expected outcome: The project will involve innovative technologies from European countries to increase exports of gasoline in Europe, create new jobs and contribute to the oil and gas sector.

Payback period: 5 year

Advantages: The main uses of ethyl tertiary butyl ether - production of motor gasoline as oxygenizing additive that increases octane. ETBE is significantly safer for the environment and the engine compared to ethyl fluid (tetraethyl lead) and aromatic hydrocarbons, which are also used to enhance the octane number of gasoline. Sales market: Domestic and foreign markets The requirement to investors: individual share

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INDUSTRIAL INNOVATION PROJECTS



MODERNIZATION OF GAS PROCESSING PLANT

Aim of the project: Upgrading the existing gas processing plant with new equipment and technology to meet product standards of EURO 4

Applicant: "Amangeldy GPZ" LLP

Implementation period: 2016 - 2017 region

Total project cost: 54 million US dollars

Required investments: 54 million US dollars

Expected outcome: increase of profitability of the enterprise and increase in capacity to 180 thousand tons/ year, including:

- light distillate: 27 thousand tons/year (15%)
- fraction of kerosene: 36 thousand tons/year (20%)
- diesel fuel: 45 thousand tons/year (25%)
- fuel oil: 72 thousand tons/year (40%)

Current status: The enterprise operating the project at a stage of design development

Advantages: Existence of the mastered gas field and the operating production

Infrastructure and Resources: Existence of the operating production base, infrastructure and the personnel

Sales market: Kazakhstan Job creation: 150

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PETROLEUM CHEMISTRY



DEVELOPMENT OF GAS FIELDS

Aim of the project: Production and processing of inert gases (nitrogen and helium) and production of mineral fertilizers

Applicant: «Amangeldy GAZ» LLP

Implementation period: 2016 - 2018

Place of implementation: Zhambyl oblast Talas region Total project cost: 360 million US dollars

Financing scheme:

- building of cryogenic installation: 60 million US dollars construction of chemical fertilizers plant: 300 million US dollars

Required investments: 360 million US dollars **Expected outcome:** development of gas fields and release of the following production:

- nitrogen: 176 million Nm3/god
- helium: 1 222 thousand Nm3/god
- carbamide: 5 500 thousand tons/year

Current status: The enterprise operating the project at a stage of design development

Advantages: The operating production, existence of new gas fields with considerable reserves of gas

Infrastructure and Resources:

- fields Ucharal, Kempirtobe, Western Ucharal and Northern Ucharal (content of gases: nitrogen of 96%, helium of 2%) existence of the operating production base, infrastructure and the personnel **Sales market**: Kazakhstan

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MACHINE CONSTRUCTION MACHINE MACHINE CONSTRUCTION



MACHINE CONSTRUCTION

INDUSTRIAL INNOVATION PROJECTS



INNOVATIVE ENERGY EFFICIENT AND ECOLOGICALLY CLEAR CABLE PRODUCTION WITH ISOLATION FROM CROSS-LINKED POLYETHYLENE ON UP TO 330 KV VOLTAGE IN NATIVE CREATION

Aim of the project: The production and realization ultra-modern cable and wire production in markets, namely: the Republic of Kazakhstan, Russian Federation, the Republic of Belarus, and countries of Persian Gulf (UAE, Qatar, Iran, Saudi Arabia, etc.)

Applicant: "KMK construction – Investment" LLP. The building of ultra-modern factory producing innovative energy efficient and ecological clear cable production with isolation from cross-linked polyethylene on up to 330 KV voltage in native creation.

Implementation period: 2015-2020

Place of implementation: The Republic of Kazakhstan, Almaty city, Alatau district.

Total project cost: 24,36 million US dollars

Financing scheme: personal funds 5,1 million US dollars Loan funds 19,26 million US dollars

Expected outcome: the producing and realization of ultra-modern cable and wire production

Current status: the project is on realization stage IRR - 55%, NPV – 11,04 million US dollars

Payback period: 1 year

Availability of documentation: the resolution of Almaty city administration; the contract of land zone rent; the governmental act on ground.

Infrastructure and Resources: machine manufacturing **Sales market:** home market – realization of products on the whole territory of Kazakhstan – 40%, on export – 60%, Kazakh goods, services and works content in project – 80-85%

Job creation: in the period of building 400 people, in the period of exploitation – 539 people

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INDUSTRIAL INNOVATION PROJECTS



MANUFACTURE OF 220-500 KV POWER TRANSFORMERS

Aim of the project: manufacture of 220-500 kV power transformers.

Applicant: Asia Trafo LLP.

Implementation period: 2015 – 2017.

Place of implementation: Industrial zone, Shymkent city, South-Kazakhstan region, Kazakhstan

Total project cost: 50 million USD.

Financing scheme: Equity capital – 20%, bank loan – 80%.

Required investments: 40 million USD.

Expected outcome: 160 units per year.

Current status: A plot of land is allocated for the construction in the industrial zone of Shymkent. Developing design estimates, fund raising.

Payback period: 7-8 years.

Availability of documentation: A business plan is being developed.

Advantages: Electrotechnical products clustering (with JSC «Kentau Transformer Plant»). Infrastructure and recourses: under construction. Sales market: CIS – 50%, Kazakhstan – 50%. Job creation: 400

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INDUSTRIAL INNOVATION PROJECTS



CONSTRUCTION OF PENOPLEX PRODUCTION PLANT

Aim of the project: The opening of production of modern heat-insulating building materials, provision of foreign and Kazakhstan market of construction materials. **Applicant :** «Turan Industry» LTD

Implementation period : 2016 – 2018

Place of implementation : Tonkeris station, Akmola region

Total project cost : 2,0 million US dollars

Financing scheme : Own / borrowed

Required investments : 2,0 million US dollars

Expected outcome : The plant for the production of penoplex

Current status: Acquisition of land in private ownership of an area of 5.7 hectares on Tonkeris station with further leased-purchase about 2 hectares.

Payback period : 2 years

Capacity: 400 cubic meters of Penoplex per day, 52.0 thousand cubic year Availability of documentation : In development Advantages : the proximity to Astana Infrastructure and Resources : 5,7 Ha land plot, railway line Sales market : Kazakhstan, export Job creation : 20

CONTACT INFORMATION :

Executive director Murdinov Murat +7 701 75 81 738 Deputy director Arman Sultanov +7 702 21 08 673

INDUSTRIAL INNOVATION PROJECTS



PRODUCTION OF CONTAINER GLASS

Aim of the project: Construction a factory of glassware with a productivity of 300 tons of glass per day, creation of the new enterprise.

Applicant : Aynek LLP

Implementation period : 2 years

Place of implementation : Aktobe region

Total project cost : 100 million US dollars

Financing scheme : The investor - 15%, JSC «Samruk-Kazyna» - 15%, JSC «DBK» -70%

Required investments : credit / leasing, equity capital, off-take contract

Expected outcome : the creation of 186 workplaces, tax revenues to the budget.

Current status: Searching of the investor

IRR-6%, NPV-1,2 millions US dollars

Payback period: 6,1 years

Productivity: 91.8 thousand tons

Availability of documentation: available business plan Advantages : The main producers of vodka located in Aktobe and Akmola regions. These are plants LLP «Geom», LLP «AkrossPischeprom» and LLP «Maximus» in Aktobe.

The proximity of consumers, transport logistics for the main raw materials and auxiliary materials. The presence of quartz sand.

Infrastructure and Resources : Mugalzhar deposits of quartz sand, more than 600 million tons.

Sales market : Kazakhstan

Job creation : 186

Requirements for investor : credit / leasing, equity participation

CONTACT INFORMATION :

The project manager – Dzhidzhiyeshvili V. H. +7 701 5032545

INDUSTRIAL INNOVATION PROJECTS



PLANT FOR THE PRODUCTION OF EXPANDED CLAY AND COMPOSITE PRODUCTS

Aim of the project: The development of expanded clay field with a further construction of a plant to produce expanded clay blocks Applicant : "ZhayikBetonInvest" LLP Implementation period : 2 years Place of implementation : Atyrau region, Makat district Total project cost : 6 million US dollars Financing scheme : New construction Required investments : 4 million US dollars Expected outcome : Expanded clay pellets, expanded clay blocks, gravels tiles, expanded clay curb. Current status: Pre-investment stage IRR -39,04%, NPV – 1,85 million US dollars Payback period : 22 months Productivity : 50 thousand m3 **Availability of documentation** : Business Plan and information on the field.

Advantages : The largest field of expanded clay in the western part of the country.

Infrastructure and Resources : Pre proven reserves of clay at the Makat field estimated at amounts more than 15-20 million m3.

Sales market : Regions of RoK and RF.

Job creation: 70

Requirements for investor : Financing

CONTACT INFORMATION :

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INDUSTRIAL INNOVATION PROJECTS



EXTRACTION AND PROCESSING OF MARBLE

Aim of the project: The organization of production of marble on the Tesiktas field and release of products from marble

Applicant: "Karatau Mramor" LLP Implementation period: 2016 Place of implementation : Zhambyl oblast, Talas area Total project cost : 19,6 million US dollars Required investments: 9,3 million US dollars Expected outcome:

Expansion of power of production:

- marble blocks: 20 400 CBM/year
- marble tiles: 120 000 CBM/year

other products: 2 400 CBM/year

Current status: The enterprise operating is available a field for marble production IRR - 108,65%; NPV - 5,5 million US dollars

Documents: the business plan of the project is developed **Infrastructure and Resources:**

there is a field for marble production

Sales market: Kazakhstan, CIS countries and foreign countries

Job creation: 50

CONTACT INFORMATION:

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INDUSTRIAL INNOVATION PROJECTS



MINING AND PROCESSING OF LIMESTONE

Aim of the project: Profit at the expense of the needs of metallurgical, construction and other enterprises of the Northern regions of Kazakhstan calcareous products of varying degrees of redistribution (lime lump, hydrated, etc.)Applicant : LLP «KEREMET ASIA"

Implementation period : 2016–2023

Place of implementation : Pavlodar region, the field Carabidae.

Total project cost : 3,5 million US dollars

Financing scheme : The establishment of a joint venture.

Required investments : 1,75 million US dollars

Expected outcome: maximum profitability, market coverage of Kazakhstan and the CIS.

Current status: developed feasibility study IRR 10,3%,NPV 8,58 million US dollars

Payback period : 7 years

Productivity : 441 000 tons per year

Availability of documentation : Pre-project documentation

Advantages : A high level of competitiveness in the context of the programm of the Government of the Republic of Kazakhstan for import substitution

Infrastructure and Resources : there is in the region of the field

Sales market : Implementation within the country (Northern and other regions of Kazakhstan)

Job creation : 45

Requirements for investor : solvency, absence of debts to third parties outstanding for more than three months, the availability of own funds to participate in the project.

CONTACT INFORMATION : «KEREMET ASIA" LLP +7 (7187) 33 98 48 Arbutin Gennady Nikolaevich

INDUSTRIAL INNOVATION PROJECTS



PRODUCTION OF UREA FORMALDEHYDE RESIN AND CHIPBOARD

Aim of the project: The production of urea formaldehyde resin, production of wood boards Applicant : «Pavlodar woodworking plant» LLP Implementation period : 2014 – 2015 Place of implementation : Pavlodar Total project cost : 5,83 million US dollars Financing scheme : 49%-51% Required investments : 5,83 million US dollars Current status: commissioning work IRR - 23%, NPV - 1,1 million dollars. USA Payback period : 3 years Productivity : 40 000 cubic meters Availability of documentation : Feasibility studies, Pre-project documentation Advantages : the availability of logistics, process equipment

Infrastructure and Resources : there are Sales market : Kazakhstan, Russia Job creation : 65

CONTACT INFORMATION :

Director of project management Center of JSC «NATD» - Sayabek Kanakhin +7 (7172) 571 014 (222) + 7 701 713 71 61

INDUSTRIAL INNOVATION PROJECTS



PRODUCING OF COMPLETE STEEL CONSTRUCTIONS FOR PRE-ENGINEERED BUILDINGS

Aim of the project: 1. Foundation of modern competitive plant on producing of complete steel constructions with high grade of manufacture

2. Forming of national producer with high potential on import substitution and export access

Initiator: «Alma Grad Real Estate» LLP

Period of implementation: 2012– 2020

Project location: Zagorodniy village, Ust-Kamenogorsk city, East-Kazakhstan region

Project Cost: 21.8 million US dollars

Financial structure : investments

Investments required: 21.8 million US dollars

Expected result: export access

Current status of the project: The project is being implemented

IRR: 29,80 %, NPV: 6.9 million US dollars

Payback period: 5 years

Production: 65 thousand ton of metal constructions per year

The presence of documentation: Marketing researches and business plan available

Advantages: trade market available

Infrastructure and resources: Existing plant, Raw materials of Kazakhstan, Russian and European manufacturers

Trade market: Kazakhstan, Russia (from Ural to Far East)

Creation of new jobs: 290

Requirements for investors: financial opportunities and experience in this field

CONTACT DETAILS:

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AGROINDUSTRIAL COMPLEX A C R O I N U U S T R A L





INDUSTRIAL INNOVATION PROJECTS



CONSTRUCTION AND OPERATION OF THE GREENHOUSE COMPLEX FOR GROWING TOMATOES

Aim of the project: Getting high-quality, exportoriented, competitive products for realization on domestic and foreign markets Applicant : Limited Liability Partnership "Greencor" Implementation period : 2014 - 2016 Place of implementation : North Kazakhstan region, Petropavlovsk citv Total project cost: 32,5 million US dollars Financing scheme : Own funds 17% Borrowing funds/Investments 83% Required investments : 24.6 million US dollars Expected outcome : 1.5 million US dollars Current status: The implementation of design and estimate documentation IRR- 22 %, NPV-10.076 million dollars. USA Payback period : 60 month Productivity :* 7000 tons

Availability of documentation :** attached

Advantages : Uninterrupted distribution of the provision of basic agricultural products to the population of the northern region of Kazakhstan

Infrastructure and Resources : Land of 18 ha has taken to the long-term rent in the city of Petropavlovsk Sales market : Domestic market of Kazakhstan, Export to Russia

Job creation : 150

Requirements for investor : willingness to pay a share of 80%

CONTACT INFORMATION:

Director Mr.Kustubayev Arman Saparbekovich + 7 701 731 8100

** - Feasibility studies, pre-project documentation

INDUSTRIAL INNOVATION PROJECTS



GREENHOUSE COMPLEX CONSTRUCTION WITH A CAPACITY OF 300 TONS OF VEGETABLES PER YEAR IN LISAKOVSK CITY

Aim of the project: Growing high-quality, exportoriented, non-GMO vegetables (tomato's and cucumbers) Applicant : «Green Island Kazakhstan» LLC

Implementation period : 2013 – 2016

Place of implementation : Kostanay region, Lisakovsk city Total project cost : 4.5 million US dollars

Financing scheme : own funds, development institution funds, FDI

Required investments : 4.1 million US dollars

Expected outcome : The design capacity in kind - 500 tons / year, stated 300 tons / year. the creation of 40 jobs during construction and 20 jobs during operation. - Production is focused on the domestic market and export (70/30)% - Estimated effect - providing the population of the city and nearby communities of finished products, participation in social projects, conducting fairs, increase trade in the region, the creation of a healthy competitive environment among wholesale and retail trade organizations.

Current status: Feasibility study is developed, Examination of design estimates and construction permit was received. In 2014 2.5 ha earthworks was made, foundation work: Housing and administrative complex and warehouses, produced 70% of the foundation for the greenhouse. Built frame building ABK. Infrastructure: heating, gas, electricity, water and the road to the complex in the amount of 51 million tenge. **Payback period** : 3,9

Productivity : 300 tons/year

Availability of documentation : business plan, feasibility study

Infrastructure and Resources : 2.5 Ha, gas, electricity, water and the road.

Sales market : Kostanay region, near by region Job creation : 20

CONTACT INFORMATION :

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^{* —} if it is current project / calculated



CONSTRUCTION OF THE PLANT FOR THE PRODUCTION OF HERBAL PULP WITH THE CAPACITY OF 14,400 TONS PER YEAR

Aim and idea of the project : The project involves the production of herbal cellulose (sorbent dorotsel) from cane, sunflower stalks and other crop

Applicant : "Uralenergostroy" LLP

Period: 2013-2016 y.y.

Location: Darinsk v., Zelenovskiy district, WKR Total project cost: 21 million US Dollars

Required investments: 21 million US Dollars

Expected Result: The creation of additional jobs, increase tax revenues.

Current Status: The technology of cellulose (hemicellulose) abbreviated production cycle (unbleached) and on a full cycle (bleached), and the technology for producing a stabilizing additive for road construction on the basis of herbal cellulose. Developed initial version of the business plan, technical project to place production

of pulp from annual plants. In the pilot plant produced experimental batches of samples of herbal cellulose. A pilot batch of paper for sanitary purposes (type of tissue). At OAO «Tasma-Holding» released batch of linen cellulose weighing 5 tons for road tests.

IRR - 15,7%, NPV - 19 million US Dollars

Payback period: 3,7 years Availability of documentation: Business plan available

Market: Domestic market Job Creation: 70

Requirements to investors: individual share

CONTACT INFORMATION:

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INDUSTRIAL INNOVATION PROJECTS

THE ESTABLISHMENT OF PRODUCTION OF DEEP PROCESSING OF GRAIN IN KARAGANDY ON THE BASIS OF THE MILLING INDUSTRY COMPANY "NOMAD" LLP

Aim of the project: The establishment in Karaganda city on the basis of the milling industry Company LLP «NOMAD» products of deep processing of grain

Applicant : «NOMAD» LLC

Implementation period : 2012 – 2018

Place of implementation: Karagandy city, Republic of Kazakhstan

Total project cost : 36,4 million US Dollars

Financing scheme : Replenishment of authorized capital, financial assistance

Required investments: 35,4 million US Dollars

Expected outcome: production of dry wheat gluten, starch syrup (caramel, maltose), dry feed ingredients for \$ 3.7 million US Dollars per year in the amount of 1.1 million US Dollars per year, the processing of livestock health.

Current status: The implementation of 1st stage, on stages 2 and 3: a drafting team (technologists, engineers, management); the project is included in the Industrialization Map of the oblast; the contract and the terms of reference for the design and adaptation of engineering documentation is developed

IRR 26%,NPV 36,8 million US Dollars **Payback period:** 5 years

Productivity : 47,2 thousand tons per year

Availability of documentation : Business plan, financial model, design and estimate documentation

Advantages : Availability of infrastructure, location, experience, availability of markets, production subsidies

Infrastructure and Resources: The current flour enterprise with appropriate infrastructure that has experience in this field, the availability of qualified personnel

Sales market : The food, agriculture, pharmaceuticals industries of the Kazakhstan, Russia, China and the European Union

Job creation : 95

 $\ensuremath{\textbf{Requirements}}$ for investor : expression of interest, and wait for the result

CONTACT INFORMATION :

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INDUSTRIAL INNOVATION PROJECTS



PRODUCTION OF STARCH, GLUTEN AND CONDENSED CONCENTRATED FEED WHEAT, CAPACITY OF 5 TONS/HOUR

Aim of the project: Production of starch, gluten and condensed concentrated feed wheat Applicant : «AI-BM» LLC Implementation period : 2011– 2016 Place of implementation : Kostanay region Total project cost : 45,4 million US Dollars Required investments : 45,4 million US Dollars Current status: There is a presentation and business plan of the project in English and Russian languages. Availability of land with infrastructure. IRR- 25% NPV - 38 million US Dollars Payback period : 5-7 years Productivity : Gluten humidity 8% - 4,500 tons / year, starch humidity 10% - 23600 tons / year, dry pelleted feed 12% - 23,000 tons / year
Sales market: Kazakhstan Netherland, and Iran
Job creation: 305 permanent jobs and 20 jobs during the construction period
Requirements for investors: domestic and/or foreign investors interested in the project.

CONTACT INFORMATION :

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INDUSTRIAL INNOVATION PROJECTS



VIKTORIYA AGRICULTURAL COMPLEX

Aim of the project: Cultivation and processing of crops, animal breeding and processing of livestock and poultry. Processing of meat. Dairy production. Cattle fodder production.

Applicant : Almaty Engineering LLP

Implementation period : 2016 - 2017

Place of implementation : Almaty Region

Total project cost : 95,5 million US Dollars

Required investments : 95,5 million US Dollars

Expected outcome: Creation of a modern farm: 3,600 heads of cattle, 20,000 sheep, 2000 pigs, 1000 horses, 500 000 laying hens, 100,000 broiler chickens. Growing of cereals (wheat, corn, oats, barley, and others.). Greenhouse farming for cultivation of vegetables and fruits. Cultivation of oilseeds. Cultivation of genetically modified varieties of soybeans. Growing silage, haylage crop.

Current status: Pre investment phase IRR - 25%, NPV – 92,5 million US Dollars Payback period: 5 years **Productivity** : 1 000 heads of cattle , milk and milk products - 22 000 tons, meat and meat products - 730 tons, cattle hides 500 pcs, Chicken eggs - 75 million pieces , chicken meat - 900 tons, sheep - 8000 heads, meat and meat products Lamb - 500 tons, wool - 37 tons, sheep skins - 3,000 pcs, beef - 500 tons , 83 000 tons of fodder crops.

Availability of documentation: Business plan,

financial model, design specification and estimates

Advantages : Full cycle of production, economies of scale

Infrastructure and Resources : water, electricity, highway.

Sales market : Kazakhstan, CIS countries. Job creation : 850 Requirements for investor: Strategic investor

CONTACT INFORMATION:

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INDUSTRIAL INNOVATION PROJECTS



CONSTRUCTION OF THE INDUSTRIAL COMPLEX

Aim of the project: Ecological improvement of a district (business project includes the section of ecology), the creation of about 100 work places, the launch of this project contributes to the economic growth of the area.

Applicant : "Bakhyt" farm

Implementation period : 1.5 years

Place of implementation : Atyrau region, Kurmangazy district, Ganyushkino village

Total project cost : 6 million US Dollars

Financing scheme : Construction of Universal production plant for the production of GVTM, pellets and WPC.

Required investments : 4 million US Dollars

Expected outcome :

Granulated grass meal and meadow grasses.

Fuel Pellets, based on the dry reeds.

Wood-plastic composite (fuel wood), based on the dry reeds.

Current status: The implementation of Phase 1, 2 and 3 stage:feasibility study

Payback period : 24 months

Productivity :

Granular grass meal (pellets) - 16 560 tonnes / year; Pellets - 5520 tons / year; Wood - polymer composite (fuel wood) – 828 tons / year. Availability of documentation : Business plan and agreements with partner

Advantages : Minimal vulnerability planned release of different types of products in demand in the market, increasing profitability and lasting lesson segments.

Infrastructure and Resources : Area growing cane and cocklebur whitish tens of thousands of hectares, and is increasing annually

Sales market : Regions of RK.

Job creation : 82 Requirements for investor : Financing

CONTACT INFORMATION :

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ENERGY INDUSTRY

INDUSTRIAL INNOVATION PROJECTS



CONSTRUCTION OF A FACTORY ON MANUFACTURE OF FUEL PELLETS FROM BIOMASS

Aim of the project: Creation of production of fuel pellets from biomass (cane) and implementation of the project on the European market Applicant : «Ak Kamys» LLP Implementation period : 2015 – 2022 Place of implementation : Kurmangazy district, Atyrau region Total project cost : 11.4 million US Dollars Financing scheme : 49%-51% Required investments : 8.4 million US Dollars Expected outcome : Net profit of 2.5 million Euro/ year Current status: The implementation of Phase 1, 2 and 3 stage:feasibility study IRR-42%, NPV- 6,9 million US Dollars Payback period : 3.5 years Availability of documentation pre-project :

documentation, business plan **Advantages** : at present the company already has land and a patent **Infrastructure and Resources** : - Land plot, area of

10 hectares;

- Rent the land for the mowing of the reed, 25 thousand hectares.

- Innovative patents. Sales market : European union Job creation : 74

CONTACT INFORMATION :

Amirali Ayan – Director of AK «Kamys» LLP +7 701 111 37 48 ayan@temirali.kz www.akkamys.kz



CONSTRUCTION OF A WIND FARM IN ARKALYK CITY

Aim of the project: Construction of a wind farm in Arkalyk city

Applicant : «Synergy Astana» LLC

Implementation period : 2011 - 2017

Place of implementation : Kostanay region Arkalyk city Total project cost : 54.4 million US dollars.

Financing scheme : own funds - 8.16 million US dollars; Borrowed funds - 46,2 million US dollars.

Expected outcome : Implementation of the project will solve the problem of power shortages and reliability of regional power supply, create new jobs, increase export potential of the region, which will have a positive multiplier effect on the economy of the region, improve regional environment, increase taxes to the budget.

Current status: feasibility study has been developed according to the use of maximum tariff of 19 KAZ/kWh (0.095 eurocents/kWh)

IRR – 27,6%, ROE-19,48% Payback period : 7-9 years

Productivity : 48 MVt

Availability of documentation : The scheme of power supply has been developed by «Energy System Researches» LLP, international company «8.2 Consulting AG» (Germany) was attracted as a consultant.

Advantages : high wind potential, proximity to the substation of JSC «KEGOC».

Infrastructure and Resources : The selected area has a high wind potential which has been confirmed by annual wind measurements at a height of 50 m.

Sales market : United Power System of Kazakhstan, Kostanay region.

Job creation : 10-50

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ENERGY INDUSTRY

INDUSTRIAL INNOVATION PROJECTS



CONSTRUCTION AND OPERATION OF TWO 25 MW WIND FARMS TO EL. SUPPLY OF ASTANA AND AKMOLA REGION

Aim of the project: Decrease Power shortage, Power cost, -Power Losses-, pollution , increase reliability of power supply Use of a more potential of wind energy of Ereimentau region. Applicant : EcoWatt LLP (Almaty)

Implementation period : 2016 – 2018 Place of implementation : Ereimentau district of Akmola region (150 km from Astana) Total project cost : 70mln USD Financing scheme : JV Required investments : 35 mln USD Expected outcome : two Wind power plant on 25 MWt 175 mln kwt-h power a year Current status: The implementation of Phase 1, pre -feasibility study IRR-23,7-%,NPV-213 million dollars. USA Payback period : 7 years Productivity :* Availability of documentation :** Feasibility studies, pre-project documentation

Advantages : -----

Infrastructure and Resources : two existing 110 kV power lines for providing consumers with electric power. roads, railway land, powerful wind energy Yereimentau, water reservoir.

Sales market : -Astana City -Akmola region Job creation : --60 during erection, 12 during exploitation

CONTACT INFORMATION :

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INDUSTRIAL INNOVATION PROJECTS



CONSTRUCTION OF THE FIRST BIOPOWERSTATION

Project's purpose and idea: Producing electricity under clean non-waste technology with the usage of high-technology equipment

Initiator: «BIO-TES» LLP

Period of implementation: 2014 – 2015 years

Project location: East-Kazakhstan region, Shemonaikhinskiy district, Shemonaikha village

Project Cost: 100 million US dollars. **Financial structure** : investments

Investments required: 100 million US dollars.

Expected result: foundation of a competitive enterprise, providing people with electric power

Current status of the project : Project is available for implementation after feasibility study development

Payback period: 60 months

The presence of documentation: under development

Advantages: Additional features: creation of additional production sawmilling and wood up to 1 million m3, with the manufacture of prefabricated panel houses for Afghanistan by special request of the U.S. \$ 300 million to the Republic of Kazakhstan

Infrastructure and resources: There are material and technical resources, production area (2700 m2) with storage, railway siding; infrastructure available. The area of the land plot is 2 ha

Trade market: East-Kazakhstan region

Creation of new jobs: 150

Requirements for investors: financial opportunities and experience at this field

CONTACT DETAILS:

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^{* —} if it is current project / calculated

^{** -} Feasibility studies, pre-project documentation

TRANSPORT INFRASTRUCTURE







TRANSPORT INFRASTRUCTURE

INDUSTRIAL INNOVATION PROJECTS



LRT CONSTRUCTION

Aim of the project: LRT construction Applicant : Almaty Akimat Implementation period : 2018 – 2020 Place of implementation : Almaty city Total project cost : 346,55 million US dollars Financing scheme : DBFOT concession Required investments : 346,55 million US dollars Expected outcome : New LRT line Current status: Tender among possible consultants for tender documents preparation IRR Economic 9%,NPV 102,9 million US dollars Payback period :11 years Productivity : 62 thsd. passengers/day Availability of documentation : Feasibility study

Advantages : Decrease in emissions, increase in city transport system efficiency. Infrastructure and Resources : Existing infrastructure along the old tramway line Sales market : Almaty inhabitants and guests Job creation : 476 Requirements for investor : Will be defined by consultants in tender documentation

CONTACT INFORMATION: «Almaty Develoment Center» +7 (727) 334 1378 (79,80) Aidarkhan Kussainov Head of concession projects management group.

INDUSTRIAL INNOVATION PROJECTS



CONSTRUCTION OF LOGISTIC CENTER IN ATYRAU CITY

Aim of the project: Construction of major transportlogistics center Applicant : Atomex group (Czech company) Implementation period : 2 years Place of implementation : Atyrau city, Republic of Kazakhstan Total project cost : 8 million US dollars Financing scheme : New construction Required investments : 100 % of the cost **Expected outcome:** Renta cold storage; Rent a dry storage; Rent of open warehouse platforms; Rent of office space; Current status: Pre-investment stage IRR - 20.19 %, NPV - 13 million US dollars

Payback period: 6 years Productivity : 276 thousand US dollars Availability of documentation : Business plan Advantages: the absence of a similar center Infrastructure and Resources: Absent

Sales market: Potential clients are the MC retail chains, markets and small commercial enterprises, which would be convenient to use the services of the MC in the implementation of its economic activity.

Job creation: 32

Requirements for investor: Financing

CONTACT INFORMATION:

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TRANSPORT INFRASTRUCTURE

INDUSTRIAL INNOVATION PROJECTS



TRANSPORT AND LOGISTICS CENTER BASED ON THE INTERNATIONAL AIRPORT «AULIE-ATA»

Aim of the project: Creation of the transport and logistic center on the basis of the international airport «Auliye-Ata» Taraz (reconstruction of the passenger terminal, creation of a cargo of the terminal of a class A, the logistic and cargo companies, expansion of geography of flights, purchase of special equipment)

Applicant: JSC International Airport Auliye-Ata Implementation period: 2013 - 2017

Place of implementation : Zhambyl oblast, Taraz Total project cost : 11,3 million US dollars Financing scheme:

cargo terminal (class A): the equipment - 2,7 million US dollars, installation and construction works - 5,3 million US dollars, air terminal complex: the equipment - 2,3 million US dollars, installation and construction works - 1 million US dollars

Required investments: 9,7 million US dollars

Expected outcome: increase of passenger traffic till 200-250 persons/hour and freight transportation of 10 thousand tons freights/year

- expansion of internal and international passenger flights expansion of cargo flights (Tajikistan/India – Russia; Southeast Asia – Europe; The Middle East- Siberia) **Current status**: The feasibility report of the project on development stages, in 2013 constructed a new runway, reconstruction of the passenger terminal, of 6 200 sq.m, capacity - 200 pass / is conducted hour

IRR - 59 %, NPV - \$ 21,8 mln.

Expected outcome - 2,5 year

Infrastructure and Resources:

Existence of a field and the land plots under construction of a complex

Sales market: Kazakhstan, CIS countries and foreign countries

CONTACT INFORMATION:

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INDUSTRIAL INNOVATION PROJECTS



CREATION OF TRANSPORT AND LOGISTICS HUB IN AYAGOZ DISTRICT

Project's purpose and idea: Creation and development of transport corridor West-East from Europe, trough the Caucasus and the Caspian sea to the Central Asia and China

Initiator: Government of Ayagoz district (Akimat) Period of implementation: 2012–2017 years Project location: Ayagoz city, East-Kazakhstan region Project Cost: 12.5 (approximate) million U.S. dollars Financial structure : investments

Investments required: 12.5 million U.S. dollars Expected result: increasing the turnover

Current status of the project: Searching for investors IRR: 21 %

Payback period: 8 years

Production: Customs checkpoints East Kazakhstan region - People's Republic of China, 9 months of 2013: «Maykapchagay» customs checkpoint – approx. 270 000 tn (13 500 cars), «Bahty» customs checkpoint – approx

140 000 tn of cargo (7 000 cars)

The presence of documentation: Under development **Advantages:** advantageous geographical location for transport and logistics hub creation

Infrastructure and resources: Land plot (area 18 ha) chosen for the project is situated at the city outskirts along railway siding

Trade market: Republic of Kazakhstan, Russian Federation, People's Republic of China, Europe

Creation of new jobs: during construction – 150, during operation - 70

Requirements for investors: financial opportunities and experience at this field

CONTACT DETAILS:

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PHARMACEUTICALS SECTOR



PHARMACEUTICALS SECTOR



CONSTRUCTION OF THE PHARMACEUTICAL PLANT FOR THE DRUG PRODUCTION TAGANSORBENT AND DIETARY SUPPLEMENTS OF NATURAL MINERAL MONTMORILLONITE

The purpose and idea of the project: Production of drugs and dietary supplements

Applicant: "Altai Geology and Ecology Institute" LLC, STC "Parasat" JSC,

Implementation period: 2016-2017

Implementation location: EKR, Ust Kamenogorsk

Total project coast: 4,91 million US dollars

Funding scheme: Private investments, borrowings, and grants

Investment required: 4,91 million US dollars

Expected results: Capacity of designed plant - -1 000 000 packages of Tagansorbent and 1 000 000 packages of dietary supplements in a year, in total 2 000 000 packs.

Current status: Construction plan of pharmaceutical plant is developed, the state is conducted. Feasibility study and business plan is developed.

The land area of 0.4 hectares for the construction of the building was acquired. Technology line for production of the drug Tagansorbent and nutritional supplements to food was purchased. Pilot industrial production was established with the implementation of commercial products in the amount of 290-360 thousand US dollars. IRR-25%

NPV- 5,0 million US dollars

JOINT INDUSTRIAL INNOVATION EXHIBITION Payback deadline - 3,5 years

Productivity: 2000 thousand packages per year

Documentation availability: the project with state expertise conducted, feasibility study and business plan are available

Advantage: The project is completely innovative. The drug Tagansorbent and dietary supplements are the first in Kazakhstan enterosorbents of the mineral montmorillonite. It has no analogues in the CIS countries Infrastructure and resources: The research infrastructure is available. It is currently under exploration basing on the subsoil use contract of pharmaceutical raw materials deposits Tagan-2, with the approval of reserves for 30 years.

Markets for products: Potential consumers of these products are pharmaceutical companies in Kazakhstan and the Eurasian Union.

Job Creation: 85

Requirement for Investors: phased funding of the project during construction

CONTACT DETAILS:

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LIGHT INDUSTRY




LIGHT INDUSTRY

INDUSTRIAL INNOVATION PROJECTS



PRODUCTION OF FABRIC

Aim of the project: Expansion of production on production of woolen fabric

Applicant: Posh Taraz LLP

Implementation period: 2016 - 2017

Place of implementation: Zhambyl oblast, Taraz

Total project cost : 13 million US dollars

Required investments: 13 million US dollars

Expected outcome:

- realization of the 3rd stage of modernization of the enterprise (the 1st stage - production TOPS, the 2nd stage – production of worsted yarn)

- modernization and expansion of production of fabric, shoulder strap with power up to 2,5 - 3 million. meters/ year

IRR - 50,5 %, NPV - \$ 32,8 million US dollars

Expected outcome - 7 year

Current status: the enterprise is operating, the project at a development stage

Advantages: the enterprise adjusted release of intermediate raw materials for production of woolen fabric - recycles wool and lets out TOPS (power of 873,6 tons TOPS/year and a worsted yarn (power of 500 tons yarn/year)

Infrastructure and Resources:

existence of the operating production base, infrastructure, the personnel

Sales market: Kazakhstan, CIS countries and foreign countries

Job creation: 200

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INDUSTRIAL INNOVATION PROJECTS



PRODUCTION OF NONWOVEN MATERIALS AND PRODUCTS

Aim of the project: Production of nonwoven materials and products

Applicant : Dolce LLP

Implementation period : 2016 - 2018

Place of implementation : South Kazakhstan Region, Shymkent, Ontustik SEZ

Total project cost : 14,92 million US dollars

Financing scheme : investors

Required investments : 11,92 million US dollars

Expected outcome : Production of import-substituting raw materials for the textile industry of the region. **Production of own products**: disposable medical clothing and linen , personal protection against seasonal and blood-borne infections, hygienic products

Current status: the business plan is prepared, the equipment supplier is determined

IRR- 24,73%, NPV 21,82 million US dollars

Payback period: 4,4 years Productivity: 35 mln m2 (or 1120 tons)

Availability of documentation : business plan

Advantages : The company has 18 years of experience in the field of pharmaceuticals, has signed a contract with Samruk Kazyna Pharmatsia

Infrastructure and Resources : yes

Sales market : Kazakhstan and Eurasian Economic Union (EEU)

Jobs to be created : 150 Requirements for investor : financial assets

CONTACT INFORMATION :

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TOURISM





TOURISM

INDUSTRIAL INNOVATION PROJECTS



CONSTRUCTION OF THE 5-STAR HOTEL COMPLEX «SAMAL»

Aim of the project: improving the business image of the region, tourism development

Applicant : Bolashak-T LLP

Implementation period : 2015 - 2016

Place of implementation : Republic of Kazakhstan, Uralsk, "Samal" area, Esenzhanova st., 45

Total project cost : 8.2 million USD

Financing scheme : the joint venture and the capitalization of investments

Current status: created a joint venture LLP «Bolashak-T» with a share of 51%, and JSC «NC» SEC «Oral» with a share of 49%. As a contribution to the JSC «NC» SEC «Oral» provided 2 plots of land with a total area of 3.5 hectares. Design documentation.

IRR - 10.3%, NPV - 0.8 million USD

Payback period: 6 years

Productivity : 50 hotel rooms, designed to receive foreign visitors, VIP guests, as well as international governmental delegations:

- 1 Presidential Suite (Penthouse);
- 8 Deluxe;
- 20 Luxe;
- 21 Economy

Availability of documentation: The following documents for the project.

- * Business plan
- * Perform preliminary design
- * Design documentation

Advantages : creation of a modern hotel complex and comfort, 5 star in WKO. Similar complexes in West Kazakhstan are not available. The closest competitors have a level of comfort of 4 stars.

Infrastructure and Resources : the necessary infrastructure there, as on the land previously existed Hotel «Samal». In 2011, as a result of the flood in Uralsk hotel was damaged and decommissioned

Sales market : West Kazakhstan

Job creation : 50

Requirements for investor : joint venture and financing 7.2 million. dollars. USD.

CONTACT INFORMATION :

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+7 705 33 15 311 ("Oral" SEC" NC" JSC)



OTHER INDUSTRIAL SECTORS



OTHER INDUSTRIAL SECTORS

INDUSTRIAL INNOVATION PROJECTS



Aim of the project: Construction of the biogas and electricity production plant

Applicant : Almaty Municipality

Implementation period : 2016 - 2019

Place of implementation : Almaty

Total project cost : 149,4 billion US dollars

Financing scheme : EBRD loan and the Clean Technology Fund, Government and local budgets

Required investments : 149,4 billion US dollars

Expected outcome : Waste Management system upgrade

Current status: the completion of the feasibility study IRR----%,NPV----

Payback period :

Productivity :* 300 thousand tons per year Availability of documentation :** project Feasibility Advantages : preserving the environment and secondary products Infrastructure and Resources : 245 hectares of land

Sales market : Job creation: 200 Requirements for investor: 100% financial investment and loan

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COMPLEX IN URALSK CITY

Aim of the project: The project is considered as ecological and social as activity of plant will allow not only to reduce the volume of rubbishy masses by 3-4 times, but also to return valuable components to economic circulation: ferrous and non-ferrous metals, cardboard and paper, plasticity, rags and also to receive initial raw materials for receiving: consumer goods, electric power, heat power, construction materials.

Applicant : Arktur LLP

Implementation period : 2014 - 2015

Place of implementation : Republic of Kazakhstan, Uralsk

Total project cost : 6,36 million US dollars Financing scheme : in coordination Current status: The implementation of Phase 1, 2 and 3 stages: feasibility study developed IRR - 7,4%,NPV - 103,2 thousand US dollars Payback period: 6 years

Productivity : 100 thousand tons per year Availability of documentation: There are all necessary documents for implementation of the project

* The working draft is executed

* Feasibility report, Predproyektnaya documentation Advantages : solution of ecological and social tasks Infrastructure and Resources : gas pipeline, road Sales market : 360 enterprises for Kazakhstan, are available the signed agreements on perspective cooperation

Job creation : 105

Requirements for investor : grace period of 12 months.

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OTHER INDUSTRIAL SECTORS

INDUSTRIAL INNOVATION PROJECTS



INTERACTIVE MODEL OF SPECIAL ECONOMIC ZONES, INDUSTRIAL FIRMS AND INFRASTRUCTURE OF ASTANA CITY

Aim and idea: Given model allows to choose in interactive mode any special economic zone, find date and place of its creation, area, goals, and prioritized activities. While choosing any SEZ region, it is possible to see given region's residents, information about implementation stages, and detailed infrastructure. The important advantage is not only great amount of information from one resource but also the possibility to send an application on a portal online.

The virtual environment reflects in 3D any industrial firm's model, which contains information about a firm's history, description of activities, plans, publications in media, etc. Also, the virtual model contains description of a firm's equipment, its picture and schemes. It visually reflects a firm and its equipment's modernization. Additionally, it is possible to see productive cycle of technology used by a firm. The speaker tells about stages of technological cycle; according to each stage, activated equipment is illuminated.

Also, given interactive model presents roads and transport infrastructure in Astana, which involves initial condition of highways, streets, interchanges, and sidings connected to EXPO area, their upcoming building and reconstructing. The reconstruction of city's highways, entering to the capital, streets' building and reconstructing are reflected. It is possible to observe building and reconstructing roads and engineering networks in Astana's housing estates. Given work serves as an effective instrument for presenting to potential investors. The virtual model is irreplaceable on exhibitions, conferences, and investment forums.

Applicant: TOO TKR GROUP

Implementation: period: 2015-2016

Place of implementation: Astana

Total cost: 1 500 000 US dollars

Required investment: \$ 750 000

Current status: realization of stage 1, stages 2 and 3: development of feasibility study

IRR-41,96%, NPV- 5.1 million US dollars

Payback period: 6 months

Availability of documentation: feasibility study

* --- in case if project is existing/counted

** -- feasibility study, pre-project documentation

Advantages: short terms of the project's realization and payback, final product's high technology and ability to update constantly

Infrastructure and resources: office and storage spaces are available

Market outlets: Countries of Near and Far abroad Workplaces creation: 15 and more

CONTACT INFORMATION:

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SEZ «Chemical Park Taraz»

Chemistry (2012)

0

SEZ «Ontustik»

Textile (2005)

0

SEZ «Park of Innovative Technologies»

IT-innovations (2003)





0

SEZ «Seaport Aktau»

Oil and gas mechanical engineering (2002)

INDUSTRIAL INNOVATION PROJECTS ASTANASOLAR



Talgo ALSTOM

SPECIAL ECONOMIC ZONE "ASTANA – NEW CITY"

Location: Astana city Founder: Akimat of Astana

Administrative and business center area: 6604 ha

Management company: Administrative department of the special economic zone "Astana - new city"

Total area: 7634,71 hectares

Priority activities: other non-metals mineral products; machinery and equipment; household electric appliances; rubber and plastic products; electric equipment, including electric lighting equipment; glass components for lighting equipment; food; wood mass and cellulose, paper and carton; furniture; vehicles, trailers and semitrailers; railroad locomotives and rolling stock; avian- and spacecraft; basic pharmaceutical products and equipment; electronic parts; chemicals; metals; construction and commissioning of the infrastructure, administrative and residential complexes and commissioning of hospitals, schools, kindergartens, museums, theaters, universities and secondary schools, libraries, palaces, schoolchildren, sports complexes.

Manufactured goods: locomotives, electric, electro-

optical devices, photovoltaic modules, passenger cars, helicopters, construction materials, glass products, LED products, furniture, etc.

Total of attracted investments: 2,2 trillion tenge projects: Quantity of implemented 266 administrative and residential complexes, social, cultural and infrastructure and 24 industrial facilities.

Quantity of realizable projects: 37 industrial projects, 73 administrative and residential complexes, welfare and infrastructure.

Quantity of jobs created: 2707

Major investors: Company «Sovico Holdings», «GE Transportation», «ALSTOM», «Talgo Kazajstan SL», «Aselsan Elektronik Sanayi ve Ticaret AS», «Airbus Helicopters», «Patentes Talgo SA»

Infrastructure - willingness to 80%

CONTACT INFORMATION:

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Location: Mangystau region, Aktau city.

Founder: 100% administration of Mangystau region Management company: SEZ «Seaport Aktau» JSC Total area: 2000 hectares

Priority activities: Manufacture of chemical and petrochemical products, leather products, fabricated metal products, non metallic mineral products, machinery and equipment, metallurgical and electrical products, pharmaceutical products, warehousing.

Total volume of production: 225 bln. tenge

Total volume of attracted investments : 40 bln. tenge

Quantity of implemented projects : 9

Quantity of realizable projects : 20

Quantity of jobs created : 1000

Major investors: ARCELOR MITTAL, UNITED CHEMICALS MANAGMENT, AZERSUN HOLDING, **KEPPEL OFFSHORE & MARINE, TENARIS.** Major projects: «Arcellor Mittal Tubular Products Aktau» JS, «Caspian Offshore & Marine Construction» LLP, «Aktau North Sea Terminal», LLP «Kazakhstan Pipe Traders» LLP. Infrastructure: subzones № 1, 3 -100 %;

subzones № 2,4 - construction 2016-2018; subzones № 5,6 - construction 2019-2021

CONTACT INFORMATION:

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SEZ «INNOVATIVE TECHNOLOGIES PARK»

Location : Almaty city

Founder : Non-government organization

Management company: Autonomous Cluster Fund «Innovative Technologies Park»

Total area: 163.02 ha **Priority activities**:

- Information Technologies;

- Technologies in Telecommunication and Communication;
- Electronics and Instrumentation:

- Renewable sources of energy, resource saving and effective use of natural resources;

- Technologies in creation and application of materials for different purposes;

- Technologies in the field of production, transportation and processing of oil and gas.

Manufactured goods: software, telecommunication equipment

Total volume of attracted investments: 92 mln.\$ Quantity of implemented projects: 70 Quantity of realizable projects: 50 Quantity of jobs created: + 2000 Major investors: Elbit Systems (Israel), LS Group (South Korea), DS Multimedia Co (South Korea), Yamaha (Japan), HP (USA). Major projects: LLC «Delta IT», LLC «Eltex Alatau», LLC «KT Cloud Lab», LLC «Kazakhstan Computer Graphics», LLC «DS Multimedia CA», TOO «KazTechInnovations».

CONTACT INFORMATION:

Infrastructure: readiness 50%

Almaty city, Medeu district Alatau microdistrict, 9, Ibragimov street +7 727 320-18-56 info@sezpit.kz

INDUSTRIAL INNOVATION PROJECTS



SEZ ONTUSTIK

Location : SKO, Shymkent city. Founder : Business Management, Industrial-Innovative Development and Tourism Government: National company of the "Social Entrepreneurial Corporation "Shymkent" Joint Stock Company Management company: Management company of the "Special Economic Zone "Ontustik" Joint Stock Company Total area: 200 ha Priority activities: production of finished textile products, except clothing; Manufacture of other knitted and crocheted; manufacture of wearing apparel, except fur apparel and leather; spinning, weaving and finishing of textiles; production of non-woven products, except for clothes; manufacture of carpets and rugs; production of pulp; paper and cardboard; manufacture of leather products, except for the tanning and dressing of leather; dressing and dyeing of fur; 10) Manufacture of paper stationery. Manufactured goods:

Carpet production Spinning clothing industry Pulp production wool processing corrugated cardboard Writing paper (A4) Total volume of attracted investments: 122,6 billions tenge Quantity of implemented projects: 8 Quantity of realizable projects: 15 Quantity of jobs created: 1445 workers Major investors: «Bal Textile» LTD and «Hlopkoprom Cellulose» **ITD** Major projects: 100% Infrastructure: 100% CONTACT INFORMATION: Address: Republic of Kazakhstan, Shymkent, Enbekshi region, "Zhuldyz" residential area, 095 Block, 1158 Building. Tel.: +7 (7252) 92-11-02, +7 (7252) 92-11-04 +7 701 707-30-02, +7 702 741-47-79, +7 775 565-73-39. E-mail: ao_sez@mail.ru Web-site: sez-ontustyk.kz



INDUSTRIAL INNOVATION PROJECTS

INDUSTRIAL INNOVATION PROJECTS



SEZ «PAVLODAR»

Location : Pavlodar, North industrial zone **Founder** : Akimat of Pavlodar region

Management company: Joint-stock company "Managing

company of SEZ "Pavlodar"

Total area: 1200 hectares

Priority activities: production of chemical , petrochemicalproducts, and products of related industries and technology

Manufactured goods: liquid chlorine , caustic soda, sodium hypochlorite, inhibited hydrochloric acid ,

household chemical goods, disinfectants

Total volume of attracted investments: 39,3 billion tenge

Quantity of implemented projects: 3

Quantity of projects put in operation 2015 : 2

Quantity of created jobs : 885 Major investors: JSC « CAPEC « JSC « Kazatomprom «, LLP « Pavlodar Oil Refinery " Major projects: JSC « Caustic «, LLP « UPNK -PV « LLP « AgroHimProgress " Infrastructure: There is working infrastructure of JSC «Caustic», new engineering networks and communications are under construction

CONTACT INFORMATION :

JSC « Management Company SEZ « Pavlodar « Pavlodar , North industrial zone +7 (7182) 66 06 26 +7 (7182) 20 85 30 aouksezpavlodar@mail.ru



SEZ «BURABAY»

Location : Akmola region

Management company: republican public institution "Territorial department of committee of the investments of Ministry on investments and development of Republic of Kazakhstan, administration of the special economic zone "Burabay"

Total area: 370 hectare

Priority activities: providing of tourist services; building and putting into the operation of places for tourists, sanatory and health objects at the observance of next terms: building and putting into operation of the objects are not connected with gambling business; building and putting into operation of the objects comes according with project estimate documentation.

Total volume of attracted investments: 14,290 bln tenge

Quantity of implemented projects: 1

Quantity of realizable projects: 2

Quantity of jobs created: 216 person currently **Major investors:** BI Group- the biggest building company and confessed leader at the property of

Kazakhstan market **Major projects:** Tourist hotel complex "Burabay Lakes Resort Hotels", which is under the management of worldwide known operator in the field of hotel business "Rixos"

Infrastructure: readiness - 100%

CONTACT INFORMATION :

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SEZ "NATIONAL INDUSTRIAL PETROCHEMICAL PARK"

Location : Atyrau region.

Management company: National Industrial Petrochemical Technopark SEZ Management Company JSC

Total area: 3 475,9 ha

Priority activities: Production of chemicals, petrochemical and related products and technologies Total investments amount: 1,65 trln. Kazakhstan tenge

Amount of investment made: 140,3 billion Kazakhstan tenge

Quantity of jobs created: 613

Major investors: "UCC"LLP, LG Chem Ltd.

Major projects:

Polypropylene production – 500 th. ton; Polyethylene production – 800 th. ton; Polymer products – 19 th. ton; Butadiene production – 250 th. ton.

Infrastructure:

Gas-turbine power plant; Compressed air and nitrogen production Water treatment; Plant wide infrastructure.

CONTACT INFORMATION :

Atyrau, 38 Abylkhair av. + 7 (7122) 209315; atyrau_sez@mail.ru

INDUSTRIAL INNOVATION PROJECTS



SEZ "SARYARKA"

Location : Karaganda region Founder : Akimat of Karaganda region Management company: "Karaganda Invest" JSC Total area: 595,01 hectare Priority activities: metallurgy, construction, chemical industry, engineering Manufactured goods: ball cocks, isolation valves, thermally insulated pipes Total volume of attracted investments: 121,7 bln tenge Quantity of implemented projects: 2 Quantity of realizable projects: 6 Quantity of jobs created: 140 person currently Major investors: german companies - Bohmer Armatura, Isoplus, Austrian company - Seven Refractories, korean company – Hyunwoo, russian company -TechnoNIKOL Major projects: "Bouhmer Armatura" LLP, "Isoplus Central Asia" LLP Infrastructure: readiness – 90%

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INDUSTRIAL INNOVATION PROJECTS



Location: Almaty region Founder: «KTZ Express» JSC Management company:

JSC Managing company of special economic zone «Khorgos – East gate»

Total area: 4591,5 hectares

Priority activities: Storage facility and related additional transport activities; Construction of buildings for exhibitions, museums, storage and administrative buildings; food production; manufacture of textile products; manufacture of leather and relevant products; manufacture of chemical industry products; manufacture of inished metal products, except machines and equipment; manufacture of machines and equipment omitted from other categories.

Volume of attracted investments: for construction of SEZ infrastructure - 37 bln.tenge (RB), for construction of Dry port – 40,4 bln.tenge («NC «KTZ» JSC), volume of attracted private investments - 150 bln. tenge. **Quantity of implemented projects** : 1 **Quantity of created jobs**: 300 person currently **Major investors**: holding negotiations with such companies, like Toyota, Hewlett-Packard. **Infrastructure**: readiness – 82%

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INDUSTRIAL INNOVATION PROJECTS



SPECIAL ECONOMIC ZONE «CHEMICAL PARK TARAZ»

Location: Zhambyl region, Shu district Founder: «United chemical company» LLP Governing body: -

Management company: «Management company of the special

economic zone «Chemical park Taraz» JSC

Total area: 505 hectares

Priority activities: 1) Production of the chemical industry products;

2) Production of the rubber and plastic materials; 3) Production of other non-metal mineral products; 4) Production of the machines and equipment for the chemical productions; 5) Construction and commissioning of the industrial facilities state inspection.

Manufactured goods: -

Total volume of investments: 34 186,7 million tenge Quantity of implemented projects: -

Quantity of realizable projects: 5

Quantity of jobs created: 4 000 during construction; 2

400 during operation

Major investors: 1) «CHEMplus» LLP; 2) «QADAM Industries»

LLP; 3) «Kyzylorda Munay Gas» LLP.

Major projects: 1) Production of caustic soda and chlorine, glyphosate and trichloride phosphorous; 2) Production of pesticides;

3) Production of methanol.

Infrastructure: 1) External objects of infrastructure: access highway, access railroad with station, objects of gas supply, water supply and power supply; 2) Internal objects of infrastructure: administrative- household building, fire station, check-point, water-gas-power supply circuits, and sewage treatment facilities.

CONTACT INFORMATION:

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INDUSTRIAL INNOVATION PROJECTS





INVESTOR SERVICE CENTRE OF ALMATY CITY

Aim of ISC: consulting services, organization of events related to Almaty investment opportunities Location: 85, Dostyk ave., Almaty Founder: Almaty Municipality Government: Almaty Municipality Total volume of attracted investments: (january-august 2015) : 313 billion tenge **Provided services:** - attracting investments into Almaty economy; - advisory support of investmentprojects according to the principle of a "one stop" system; assistance in implementation of government support instruments Quantity of implemented projects: 1

Quantity of realizable projects: 4 projects Quantity of jobs created: Projects created with the participation of IAC Almaty, more than 20 jobs.

Major investors: - Alstom (France) - CLAAS (Germany)

- John Deere (USA)
- Samsung (South Korea)
- CISCO (USA)
- LG (South Korea)
- MA3 (Belarus)
- Major projects:
- -Construction and operation of the light-rail transit -Industrial zone in Alatau District
- -Project management of solid household waste

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INDUSTRIAL INNOVATION PROJECTS



INVESTOR SERVICE CENTER OF AKTOBE REGION

Location : Aktobe, Aktobe region Management company: "Aktobe" SEC" NC" JSC Priority activities: all activities Total volume of attracted investments: in 2015 more than 40 billion KZT **Quantity of implemented projects: 3** Quantity of realizable projects: 10 Major investors: Netherlands investment companies (RenTeh BV, DBTechnologies), Canada (Anaergia), Singapore (Azura International), China and Germany Major projects: «Batis Potassium» LLP, «Kimpersay Energy» LLP, "Metaplast-A» LLP (RenTeh BV), "TERMOKOKS» LLP

CONTACT INFORMATION :

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INDUSTRIAL INNOVATION PROJECTS



"REGIONAL CENTRE FOR DEVELOPMENT OF ALMATY REGION" LLP

Aim of ISC: Assistance in the development of the competitiveness of the Almaty region and the creation of favorable conditions for attracting investment and industrial development of the region.

Location : Ablay hana 113, Taldykorgan, Almaty region Founder : Akimat of Almaty region

Government: Department of entrepreneurship and industrial-innovation development

Total volume of attracted investments: 16 bln tenge

Provided services : Support for effective innovation implementation and development of high-tech industries. Assistance to investors in the diversification of the economy, industrialization of the industrial sector, the development of small and medium-sized businesses in the region

Quantity of implemented projects: 6 Quantity of realizable projects: 36 Quantity of jobs created: 923

Major investors: "Danone Berkut" LLP, "FoodMaster trade" LLP, "Phillip Morris Kazakhstan" LLP, "Abdi Ibrahim Global Farm" LLP, DP World, "CocaCola Almaty Bottlers", "Hyundai Auto Kazakhstan"LLP

Major projects:

Construction of the plant for the production of container glass (JSC "GALANZ bottlers")

Construction of dairy - farm for 2,000 heads (LLP «LOYALMATY GROUP»)

Constrution of wind electric plant with capacity 60 Mwt (JSC "Samruk Energo"

Construction of hydropower plants on r.Charvn 4 (JSC «Aktogay HPP»)

Construction of solar power capacity of 25 MW (JV "Promondis Kazakhstan")

Construction of industrial complex of deep processing of wheat (JSC "Verniy Capital»)

CONTACT INFORMATION:

Director Azhmat Alimov Kamzaevich +7 (7282) 32 97 33 info@rcd.kz

INDUSTRIAL INNOVATION PROJECTS



INVESTOR SERVICE CENTER OF ATYRAU REGION

Purpose: Searching for investors, service and escort investors in the Atyrau region

Location: Atyrau region, Atyrau city, Southern Industrial Zone, 1

Founder: Department of business and industrial-innovative development of Atyrau Region

Governing: «Atyrau Innovations» LLP

Total investments: 8 011,7 million US dollars

Services:

- search of investments for financing of projects;

- implementation of functions of «the first window» for investors;

- information and analytical providing investors.

Realized projects : 35 projects

Realizing projects : 7 projects Workplaces : about 5 455 person

Major investors:

«Novus Sealing Limited» (Great Britain)

- «Chevron Corporation» (USA)

- «Nalco Champion» (USA)

- «Pera plastic» (Azerbaijan)
- «Brando» (Kazakhstan)

- «AtyrauNefteMash» (Kazakhstan)

Major projects:

Reconstruction and modernization of the Atyrau refinery -JSC NC

«KazMunavGas»

Construction of an integrated gas-chemical complex -«Kazakhstan Petrochemical Industries Inc.» JSC

Construction of the plant for the production of plastic pipes -Corporation «Chevron Munaygas Inc.»

Construction of the plant for the production of chemicals for the oil industry - «Rauan Nalco LLP»

Production of goat's milk and cattle - «Rozmetov» LLP farm. and Modernization of production (service, repair maintenance of directional drilling using telemetry systems) «ZhigerMunayServis» LLP

CONTACT INFORMATION:

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INDUSTRIAL INNOVATION PROJECTS



INVESTOR SERVICE CENTER OF WEST KAZAKHSTAN REGION

Aim of ISC: creating a favorable economic environment for investments and innovations in the West Kazakhstan region Location : West Kazakhstan region, The Republic of Kazakhstan

Founder : Akimat of the West Kazakhstan region of the Republic of Kazakhstan

Government: JSC «NC «SEC «Oral»

Total volume of attracted investments: 21,0 bl. tenge

Provided services : organizing and conducting meetings, negotiations and «round tables» with domestic and foreign investors, searching for foreign and domestic investors for the region, potential partners for joint ventures between the Kazakh and foreign parties and others

Quantity of implemented projects: 2 Quantity of realizable projects: 8 Quantity of jobs created: 35

Major investors: «Chagala Group» (Netherlands, Great Britain, Kazakhstan) «Bolashak-T» LLP (Kazakhstan), «Akgun Group» (Turkey) and «Batys Mineral» LLP (Cuba, Kazakhstan)

Major projects: «The organization and the construction of the Kazakh-Turkish industrial zone in the West Kazakhstan region» worth 10,0 billion tenge, «Extensive repairs and reconstruction of the administrative building in the business center of «A» class» worth 1,0 billion tenge, «Construction of five-star hotel in the «Samal»area of the Uralsk» worth 2,5 billion tenge, «Exploration and production of potassium salts on the «Shugul» dome in Akzhaik District of WKR» worth 7,4 billion tenge, «Exploration and production of potassium salts at the Grigoryevskaya salt structure in Burlin district of WKR» worth 3,5 billion tenge, Upgrading of the coastal zone of Shalkar Lake

CONTACT INFORMATION :

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INDUSTRIAL INNOVATION PROJECTS



INVESTOR SERVICE CENTER OF ZHAMBYL REGION

Purpose: Search of investors, service and escort of investors in Zhambyl oblast

Place: Zhambyl oblast, Taraz, Tole be st. 35

Founder: «Nacional company «Sociality-enterprise corporation «Taraz» JSC

Governing: Entrepreneurship and industrial - innovative development department of Zhambyl region

Total investments: 483,6 million US dollars

Services

- search of investments for financing of projects

- implementation of functions of «the first window» for investors

information and analytical providing investors
Realized projects: 6 projects
Realizing projects: 13 projects
Workplaces : near 2 000 person
Investors:

- «EuroChem» (Russian Federation)
- «VICAT Group Company» (France)
- «United Green» (Great Britain)
- «ADEAS Development» (UAE)

- «Energy Emissions BV» (Netherlands)
- «Fonroche Renewable Energies» (France)
- «Agrostanferms» (Malaysia)
- «Relight» holding (Turkey/Italy)

Projects:

- Special economic zone «Chemical park «Taraz»
- Plant on production of mineral fertilizers of «EuroChem» LLP
- Cement works «Mynaral Tas Company» LLP
- Solar power station of «Burnoe Solar»

- Complex on processing of meat of «Ontustik Halal Tagamdary» LLP

- Plant on processing of municipal solid waste of «Recowaste» LLP

- Plant on production of construction materials from plaster and dry construction mixes of «Zhambyl gips» JSC

CONTACT INFORMATION:

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INDUSTRIAL INNOVATION PROJECTS



INVESTOR SERVICE CENTER OF KARAGANDA REGION

Location : Karaganda region Management company: "Saryarka" SEC" NC" JSC Priority activities: all activities Total volume of attracted investments: in 2015 -33,5 billion tenge Quantity of implemented projects: 2 Quantity of realizable projects: 6 Major investors: german companies - Bohmer Armatura, Isoplus, Austrian company - Seven Refractories, korean company – Hyunwoo, russian company -TechnoNIKOL Major projects: "Bouhmer Armatura" LLP, "Isoplus Central Asia" LLP CONTACT INFORMATION : Karaganda city, 4 Stroiteley ave., office 308 +7 (7212) 40 09 83 info@spk-saryarka.kz

INDUSTRIAL INNOVATION PROJECTS



INVESTOR SERVICE CENTER OF KOSTANAY REGION

Aim of ISC: Providing proper information, analytical and service support based of principle of "single window" for domestic and foreign investors.

Location : Kostanay region, Kostanay city

Founder : Akimat of Kostanay region

Government: JSC «Social – entrepreneurial corporation «Tobol»

Provided services :

operational and organizational services to potential foreign and domestic investors;

PR of investment potential of Kostanay region;

promotion and monitoring of investment projects.

Quantity of implemented projects: 10

Quantity of realizable projects: 4

Quantity of jobs created: 1 561

Major investors:

«Metallurgical Corporation of China Limited»; «EVRAZ»; «Toyota»;

- «Peugeot»; «ENRC»;
- «IVECO»;
- «Hyundai»;
- «ArcelorMittal»;
- «Ssang Yuong».

Major projects:

- Car manufacturing - CKD assembly of Toyota Fortuner model including body welding and painting;

Construction of small-section rolling mill plant with capacity of 450 thousand tones of rebar per annum.

CONTACT INFORMATION :

65 Al-Farabi St, office 1001, Business Center «City Kostanay» 110000, Kostanay, Republic of Kazakhstan +7 (7142) 392500/390020 www.investinkostanay.kz, info@investinkostanay.kz

INDUSTRIAL INNOVATION PROJECTS



INVESTOR SERVICE CENTER OF MANGYSTAU REGION

Purpose: Search of investors, service and escort of investors in Mangystau oblast

Place: Mangystau oblast, Aktau, micro district 35, building of National Chamber of entrepreneurs

Founder: «Special economic zone «Aktau Seaport» JSC **Governing**: industrial - innovative development department of Mangystau region

Total investments: 625 million US dollars

Services

- implementation of functions of $\ensuremath{\mathsf{window}}\xspace$ for investors

- participation in solving problems of investors at the regional level, protection of the investors interests

- information and analytical providing investors Realized projects: 9 projects

Realizing projects: 10 projects Workplaces : near 4 000 person

Investors:

- «Azersun Holding» (Azerbaijan)
- «ENI SPA» (Italy)
- «IDE Technologies» (Israel)

«CITIC Group» (China)

- «HeidelbergCement» (Germany)
- «Markmore Group» (Malaysia)
- «Halliburton» (USA)

«Schlumberger» (France/Netherlands)

Projects:

- Plant on production of cables and transformers «AktauEnergoMash»
- Plant on production of methanol «Kazmeth» LLP
- Plant on production of cement «Caspi Cement» LLP
- Center of Production and Logistics Azersun
- Plant on production of bitumen «Caspi Bitum» LLP

Plant on release of the oil equipment «AktauOilMash» LLP Plant on release of pipes with a gas-tight threaded connection of a premium class «Kazakhstan Pipe Traders» IIP

CONTACT INFORMATION:

Adress: 130000, RK, Mangystau oblast, Aktau, micro district 35, building of National Chamber of entrepreneurs Tel. 8 (72 92) 334540, fax: 8 (72 92) 302777 E-mail: info.coi@mail.ru Web-site: www.sez.kz

INDUSTRIAL INNOVATION PROJECTS



INVESTOR SERVICE CENTRE OF NORTH KAZAKHSTAN REGION

Location: North Kazakhstan region Founder: Social-entrepreneurial Corporation «Soltustik" Regulatory body: SE Corporation «Soltustik" Total volume of external investments: 50,4 million US Dollars Number of realized projects: 2 Number of realizable projects: 14 Produced goods: gold mining, combine assembly

Major investors:

Russian Company LLP Aulie Gold Maining, Finnish Company Sampo Rosenlew Ltd **Major projects:** LLP Aulie Gold Maining LLP «KAZTEHMASH»

CONTACTS:

Kazakhstan, Petropavlovsk Mira st, 69-14 +7 702 233 30 94 jas-sko@mail.ru

INDUSTRIAL INNOVATION PROJECTS



INVESTOR SERVICE CENTRE OF «ERTIS»SEC»NC»JSC

Aim of ISC: Searching for the investors, service support, consulting and support investors in the East Kazakhstan region.

Location : East Kazakhstan region, Ust-Kamenogorsk, 61 Kirov street.

Founder : Akimat of East-Kazakhstan region

Government: Business and Industry Administration Total volume of attracted investments: 313,7 billion tenge **Provided services** :

-Search for investment to finance projects.

-Information and analytical support of investors **Quantity of implemented projects:** 4

Quantity of realizable projects: 6

Quantity of jobs created: 940

Major investors:

-«FRÝDLANTSKÉ STROJÍRNY - RASL A SYN A.S»(Czech Republic)

- «Rifa»(China)

- «Posco e&c»(Korea)
- «Powerchina»(China)

Major projects:

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-Construction of a meat processing plant «AGRO PORTAL» LLP

-The construction of greenhouse complex «AlZhan Agro Trade» LLP

-Plant for production of basalt insulation «Techstroynovaciya»LLP

-Plant for the production of paper products «Ust-Kamenogorsk paper mill»LLP

CONTACT INFORMATION:

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