



# PROMSTROYPROJECT DESIGN INSTITUTE

Since 1956  
First Category License

QUALITY AND RELIABILITY OF DESIGN SOLUTIONS





## Our Mission

- To make a significant contribution to the development of strategic industries of the Republic of Kazakhstan by a professional design.
- Actively contribute to the development of industrial potential of the Kazakhstan by quality and unique design solutions.
- Modernisation and development of design industry as a fundamental stage of industrial and construction industry of Kazakhstan.

## About Us

«Promstroyproject» Design Institute» was founded in 1956 and is the legal successor of the «Kazakh Promstroyproject» State Territorial Design Institute, which developed one of the most important projects in the USSR, such as Almaty Heavy Machinery Plant, Shymkent Oil Refinery Plant, Electrotechnical Plant in Chittagong (Bangladesh) and etc.

### Brief history:

- 1956 – «Kazakh Promstroyproject» State Territorial Design Institute;
- 1962 – «Kazakh PromstroyNIIproject» State Scientific Design Institute;
- 1992 – «Promstroyproject» Joint Stock Company;
- 1995 – «Promstroyproject» Design Institute» Limited Liability Partnership.

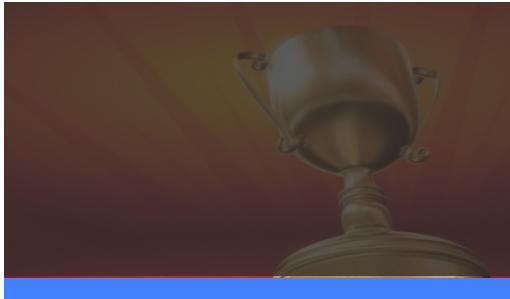
«Promstroyproject» Design Institute» LLP is the one of the biggest leading company in industrial design market in Kazakhstan. We offer the full range of the design services including engineering consultations and coordination in State Expertise. The main scope of the company is the unique development and individual approach in the project solutions.

### Our values:

- High-quality and professional approach to the designing objects as a base of dynamic development of the competitiveness of Kazakhstan;
- High-quality of our services based on the professionalism of every our engineer;
- Our Institute – is a team of associates, acting like a single mechanism and main value of which is the constant improvement.



# International AWARDS of Design Institute



## PROMSTROJPROJEKT

компания из Казахстана

награждается призом International Quality Summit Award Нью-Йорк 2009  
В признание стремления к качеству, лидерству, передовым технологиям и инновациям

### BID, Нью-Йорк

Церемония International Quality Summit Award, Нью-Йорк, 2009, организованная B.I.D., прошла 25 мая в зале New York Marriott Marquis Convention Hall. На мероприятии присутствовали Хосе З. Прието, Президент Business Initiative Directions, а также выдающиеся бизнесмены со всего мира и представители дипломатических кортусов. В роли главного спонсора Международной Конвенции по качеству выступила издательская

группа ImaPress, которая разместила новости о церемонии награждения в Нью-Йорке на страницах своих 26 изданий на английском, французском, испанском, русском и португальском языках. Таким образом, символ качества B.I.D. стал известен в 178 странах мира и создал прочную базу для интегрированного процесса улучшения качества согласно модели QC100 Total Quality Management. Для Хосе З. Прието, Президента of B.I.D. "награжденные

компании являются показателями качества, лидерства, технологий и инноваций, что делает их образцами для подражания в разных секторах в своих странах". Компании из 54 стран Европы, Америки, Африки, Азии и Ближнего Востока получили награду International Quality Summit Award в признание их заслуг в распространении культуры качества. Для этих компаний имело огромное значение присоединиться к клубу B.I.D., куда входят самые крупные и важные предприятия всего мира, отмеченные своим стремлением к превосходству, среди которых:

**Ansaldi Energia - Италия:** Компания принадлежит группе Finmeccanica Sp.A., самой большой группе инженеров воздушной защиты;

**RAO - Unified Energy Systems - Россия:** Компания управляет 70% электроэнергии в стране. В компании работают более 600.000 сотрудников;

**Turner Construction International LLC - США:** Компания занимается строительством самого высокого здания в мире, где будет расположены торговый центр и первый отель Джорджо Арmani;

**China Steel Corp.:** является самым большим производителем стали в Тайване. Ее объем продаж превышает 5800 миллионов долларов, в компании работают 17 тысяч сотрудников;

**Otsch International - Австралия:** ведущая компания в области технологий, имеет офисы в 35 странах мира;

**ING Funds - Голландия:** представительство в Таиланде входит в состав ING Group, международной финансовой корпорации с головным офисом в Голландии, имеет 115.000 сотрудников;

**Arik Air - Нигерия:** аэропорт перевозят 1.000.000 пассажиров в год по 17 направлениям;

**Korea Electric Power Corporation - Южная Корея:** компания занимает 240 строку в списке Fortune Global 500;

**Als & Cachou - TBWA - Франция:** принадлежит концерну TBWA Worldwide, в свою очередь входящему в состав Omnicom Group, самого большого рекламного агентства в мире с доходом более \$3 миллиардов;

**Iranian Offshore Engineering and Construction Company (IOEC) - Иран:** ведущий брокер в секторе нефти и газа, входит в состав Iranian National Oil Company;

**Cooparaiso - Бразилия:** крупный производитель кофе, который на бирже Нью-Йорка;

**Movicom Bell South - Аргентина:** была приобретена компанией Telefonica за \$988 миллионов после получения международного признания B.I.D.;



**Bohdan Zakiewicz - США**  
**Премия B.I.D. Нью-Йорк 2009**

Г-н Bohdan Zakiewicz - учений, изобретатель, эксперт в горнодобывающей и энергетической отрасли, более 60 лет предлагает проекты по сокращению расходов и уменьшению веса окружающей среды, участвует в постройке 29 шахт, более 20 лет преподаёт в Академии горного дела и металлургии в Кракове, является автором 348 патентов и клон-бюо. На данный момент он занимает пост генерального директора Geothermal Solution, LLC в США, директора полевой лаборатории радиационных технологий и директор Consolidated Seven Rocks Mining. B.I.D. присоединяется к голосованию за номинацию г-на Zakiewicz на Нобелевскую премию.

**IQS INTERNATIONAL QUALITY SUMMIT AWARD IN CATEGORY «GOLD»  
(NEW YORK, 2009)**

For high leadership skills, improved results in the industry, as well as the achievement of increasing the proportion of the turnover of the market on the basis of regulations and criteria QC100.

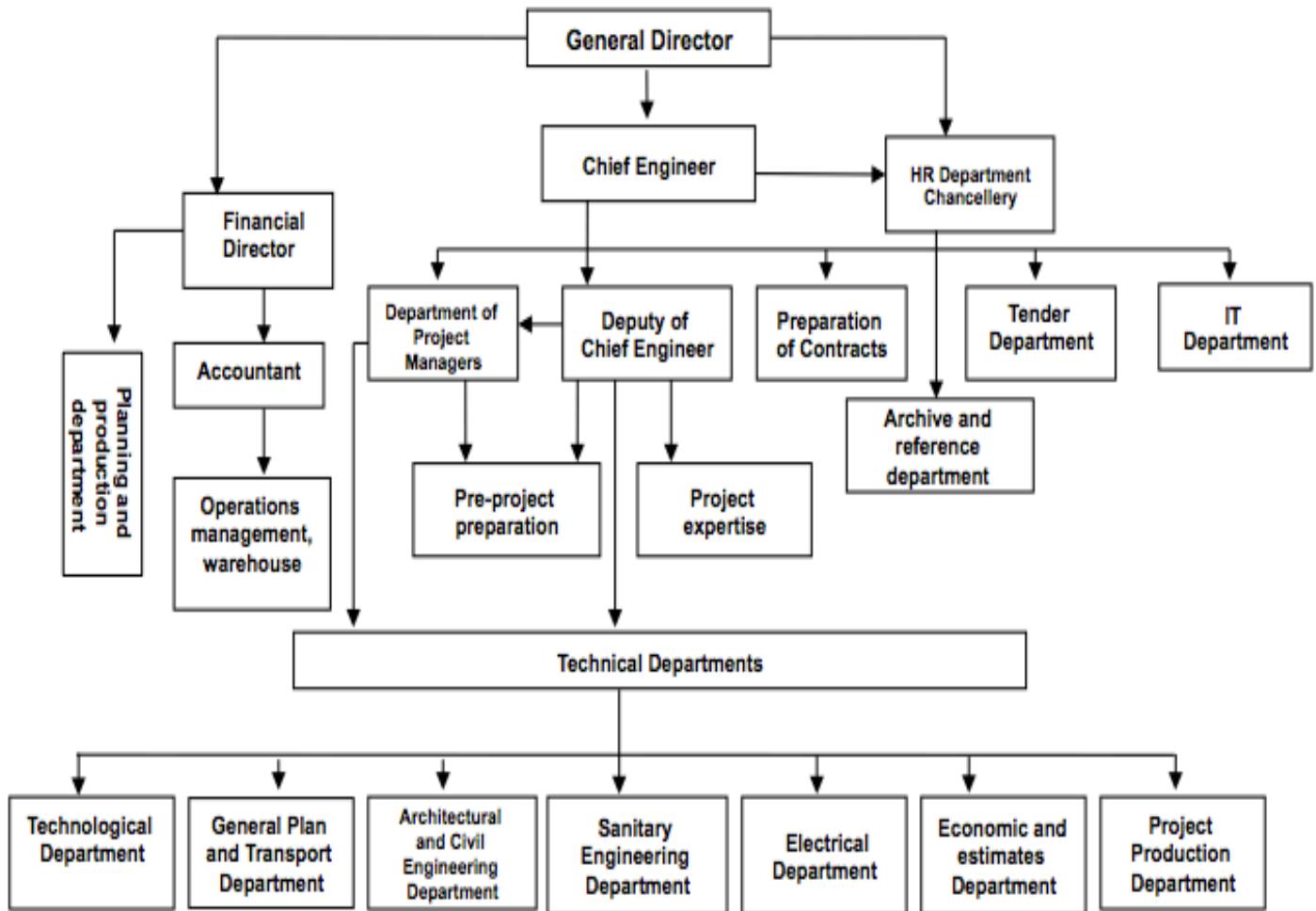


**ORDER "Laurels of Glory" International Congress of Industrialists "Leaders of XXI century"**  
(MOSCOW, 2008)

For professional achievement in the modern world and its contribution to the intellectual development of society.

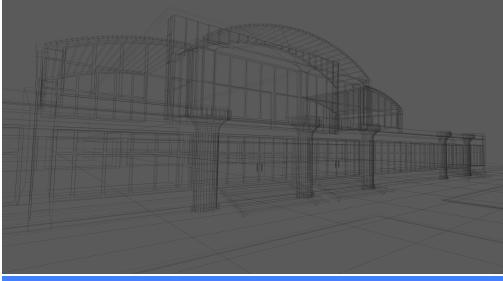


# Organisational Structure of Design Institute



Our Design Institute is focused on the industrial and civil engineering. Professional team of the Promstroyproject allows to develop unique and whole projects of any kind of difficulties.

Moreover, our company offers high-quality services in every step of the designing process, starting from gathering all the required documents for the project up to the assisting with State Expertise and implementation of author supervision the during construction works.



## Our Services

“We shape  
our  
buildings,  
thereafter  
they shape  
us”

[Winston Churchill]

### Architectural and structural design:

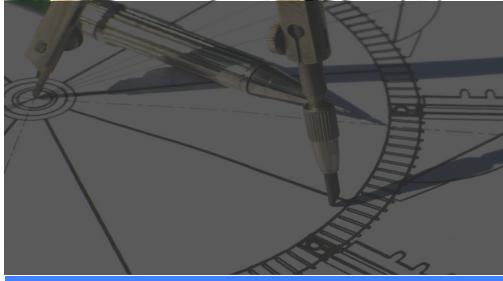
- Development of general plans, landscaping of industrial and civil buildings, industrial areas and city-centres;
- Design of the external and internal automobile roads and tracks;
- Design of facilities being built in the complicated seismic zones (more than 8 points);
- Design of facilities being built in the complicated geotechnical, hydrogeological conditions;
- Design of internal and external utilities and systems of industrial and civil buildings;
- Development of concepts, sketches.

### Technological design:

- Technological design of oil and gas, mining, chemical and other industries;
- Technological design of mechanical plant sphere;
- Technological design of social and civil buildings (schools, hospitals, kindergartens, museums, business centres);
- Technological design of woodworking plants, motor depots, mechanised warehouses, integrated and mobile base construction, garages and etc.;
- Projects of mechanisation and automation of production of any kind of industry;
- Adaptation of foreign projects.

### Pre-design and after-design works:

- Development of feasibility studies, business plans and market research;
- Preparation of the design assignment;
- Experts conclusions, consultations;
- Coordination and assisting in the State Expertise and other official bodies;
- Coordination and assisting in the gathering required documents to the object;
- Author's supervision.



# List of our projects

**Our Institute has developed projects of many large plants such as:**

- Polymeric Mechanical Engineering plant in Ust-Kamenogorsk;
- Heavy Machinery plant in Almaty;
- Almaty electro-technical plant;
- Zinc and alkaline accumulators plant in Taldykorgan;
- Oil refinery plant in Shymkent;
- The cotton mill in Almaty;
- Transformer plant in Kentau;
- «Kazgeofizpribor» plant in Almaty
- Branches of ZIL in the Ryazan region and Saransk (Russia);
- Metallurgical Plant in Almaty region (Present "Ferrostal" plant).

**Under the social State programs implemented projects:**

- First in CIS official Montessori kindergarten in Almaty;
- The concept of school for 1100 places in Atyrau.

**In order to implement industrial and innovative State program, our Institute has developed the number of unique and huge projects, such as:**

- The largest in CIS Bioethanol plant with capacity more than 100 thousand tons per year in North-Kazakhstan region for the National Food Corporation;
- The largest in Kazakhstan Glass factory SAF in Almaty region;
- Plant of glass-fiber and fittings production for the «HOBAS Pipes Kazakhstan» company in Aktobe;
- The largest oil terminal MOBILEX in Aktau;
- The first in CIS «BIOHIM bioethanol and biodiesel plant» in Tayinsha town;
- PENOPLEX plant producing slabs of expanded polystyrene in Kapchagai;
- Largest Production Complex on processing tin ore of Syrmbet deposit;
- Plant of fluids for drilling in Bautino;
- Mini oil refinery plant in Peterfeld;
- Kazpack packaging bags production plant in Almaty region.

**Projects of the construction sphere, which has been developed by our Institute:**

- Ecoton+ plant of cellular concrete production in Astana;
- The same project for the Basis Corporation
- The same project for the KUAT Corporation;
- The same project for the «AktobeStroyIndustriya»JSC in Aktobe;
- The same project for the SBS Group in Aktobe;
- Plant for producing silicate brick in Aktobe;
- Plant of facing bricks production for "Ornek XXI" JSC in Almaty;
- «Alkas Beton» largest concrete production plant in Almaty region;
- The largest plant «Real Beton» of concrete production in Almaty region.



## The first in CIS BIOHIM plant of bioethanol and biodiesel production

Equipment of this unique factory allows to produce a wide range of wheat products used in industry and agriculture, such as:

Bioethanol	57000 tons per year
Natural dry gluten	19400 tons per year
Dry bard	23500 tons per year
Baking flour	60000 tons per year
Wheat bran	47640 tons per year
Carbon dioxide	24000 tons per year
Compound feed	160000 tons per year

In the territory of the plant locates private warehouse with capacity of 100,800 tons of wheat.

Customer: «Basco» LLP

Total investment of the project: 165 000 000 US \$

Period: 2007



## The largest oil terminal MOBILEX in Aktau

The oil terminal is designed to receive oil and oil products from rail transport, temporary storage in reservoirs and supply through pipelines to the sea port for loading into tankers.

**The structure of the tank farm:**

- three oil tank capacity 10,000 cubic meters;
- one tank of fuel oil capacity of 10,000 cubic meters;
- two tanks of gasoline capacity of 5000 cubic meters;
- Two tanks for diesel capacity of 5000 cubic meters.

The terminal capacity - 300 of railway tank cars per day.

The volume of pumping products - 400-550 thousand tons per month. The tank farm with a capacity 60,000 cubic meters.

Estimated annual turnover - 6,000,000 tons / year

To create stockpile of oil project provides accommodation for the adjacent area of the tank farm of five vertical tanks for oil with a capacity of 20,000 cubic meters each.

Customer: «Mobilex Energy Limited» LLP

Total investment of the project: 100 000 000 US \$

Period: 2006



## Plant of glass-fiber and fittings production for the «HOBAS Pipes Kazakhstan» company in Aktobe

The company "Hobas Pipes Kazakhstan" produces pipes from DN 200 to DN 1400 mm, with a nominal working pressure of PN 1 to 25 atmospheres and stiffness SN 5000 to 1 000 000 N / m. The plant produces pipes and fittings made of glass fiber reinforced polyester. HOBAS pipes have a wide scope:

- Pipelines gravity and pressure sewer trunk lines;
- Culverts drinking and industrial water;
- Update pipelines by catching through the old pipeline;
- Industrial piping;
- Pipelines with double wall;
- Sewage treatment plant;
- Trenchless drilling.

Customer: «HOBAS PIPES Kazakhstan» LLP

Total investment of the project: 40 000 000 US \$

Period: 2005



## The largest concrete production plant in Almaty region



The company is designed for capacity of 300 thousand m<sup>3</sup> of ready-mix concrete per year. Ready-mix concrete correspond to GOST 25192-82. Allows the chassis of any brand of concrete. The structure of the complex process plant includes:

- Mixing plant, adopted by the South Korean project;
- Storage of placeholders;
- The receiver of cement;
- machinery and repair shop with shed parking;
- Administration office;
- Laboratory and other objects.

Customer: «Alcas Beton» LLP

Total investment of the project: 17 000 000 US \$

Period: 2007



## **First and largest glass production plant SAF in Almaty region**



SAF plant was the first and present largest glass production plant in Kazakhstan.

The plant contains:

- Multiple shop;
- Machinery and repair shop;
- Central laboratory of the plant;
- Department of the technical control;
- Machinery and vanny shop

Produces colorless glass containers.

The plant's capacity is 181 million units per year (0.5 liter bottle conditioned, 370g).

Mode of operation – round of the clock.

Mechanisation and automatisation of the plant is around 80%.

Customer: «SAF» JSC

Total investment of the project: 38 000 000 US \$

Period: 2003



## The largest transformer plant in Kentau



Joint Stock Company "Kentau Transformer Plant" is known as the leading manufacturer of transformers in Kazakhstan, supplied to all sectors of the economy, including electric power, metallurgy, machinery, transportation, oil and gas, the municipal sector.

Nowadays, Kentau Transformer Plant is the leading company in CIS, focusing on the producing transformers.

Customer: «Kentau Transformer Plant» JSC

Total investment of the project: 70 000 000 US \$

Period: 1958



## Ecoton+ plant of cellular concrete production in Astana



The main scope of the plant "Ecoton +" - output of autoclaved aerated (cellular) concrete, intended for the construction of homesteads, and many storeyed residential, public and industrial buildings.

The plant is designed to produce 132,000 cubic meters products per year, but growth is possible to 198,000 cubic meters

Customer: «Ecoton+» JSC

Total investment of the project: 18 000 000 US \$

Period: 2003



## Largest Production Complex on processing tin ore of Syrymbet deposit

Production complex of the largest deposits of "Syrymbet" is targeted for extraction with the further processing of tin-containing ores.

Project includes:

- Production departments;
- Divisions of large crushing;
- Complex accessory buildings and structures-site roads;
- Sewage treatment plants;
- Boilers, Compressors;
- Garages for cars and locomotives;
- Warehouses;
- Depots for repair of mining equipment.

Production capacity is around 6050 thousand tons per year.

Customer: «Syrymbet» JSC

Total investment of the project: 160 000 000 US \$

Period: 2008



## Silicate brick production plant in Aktobe

The production capacity of the silicate brick plant is around 180 000 tons per year.

The plant utilizes new technological equipment, which allows to produce aerated concrete of various grades, from D-300 and D-900.

Aerated concrete is produced from a mixture of silica sand, cement, quick lime, gypsum and water. As the blowing agent used aluminum paste.

Customer: «Basalt-A» LLP

Total investment of the project: 11 000 000 US \$

Period: 2007



## First official Montessory kindergarten in Almaty



Kindergarten for 140 children is projected on the basis of SNIP RK 3.02-24-2004 \* Kindergarten, as well as the design assignment. The building has a capacity of 7 groups of 20 children each, in accordance with the age characteristics of children. For each group provides isolated cell group. Kindergarten is equipped with cutting-edge technology surveillance, control and crossing the first kindergarten in the CIS accredited by international community AMI (Association Montessori Internationale) child care institutions.

Customer: Education Found «Education Found of Nursultan Nazarbayev»

Total investment of the project: 17 000 000 US \$

Period: 2011



## Mini oil refinery plant in North-Kazakhstan Region, Peterfeld town

Mini oil refinery plant with production capacity 1 million tons per year includes:

- Tank farm 10x10000 tons;
- Pumping of oil products;
- Sites tie-in pipelines and accounting;
- Pump discharge of oil;
- Train drain loading dock;
- Automatic filling;
- Installation of refined petroleum products;
- Nodes steam recuperation.

Customer: «RIA SK Nefteproduct» LLP

Total investment of the project: 22 000 000 US \$

Period: 2012



## **Reconstruction The oil base in Emba city**

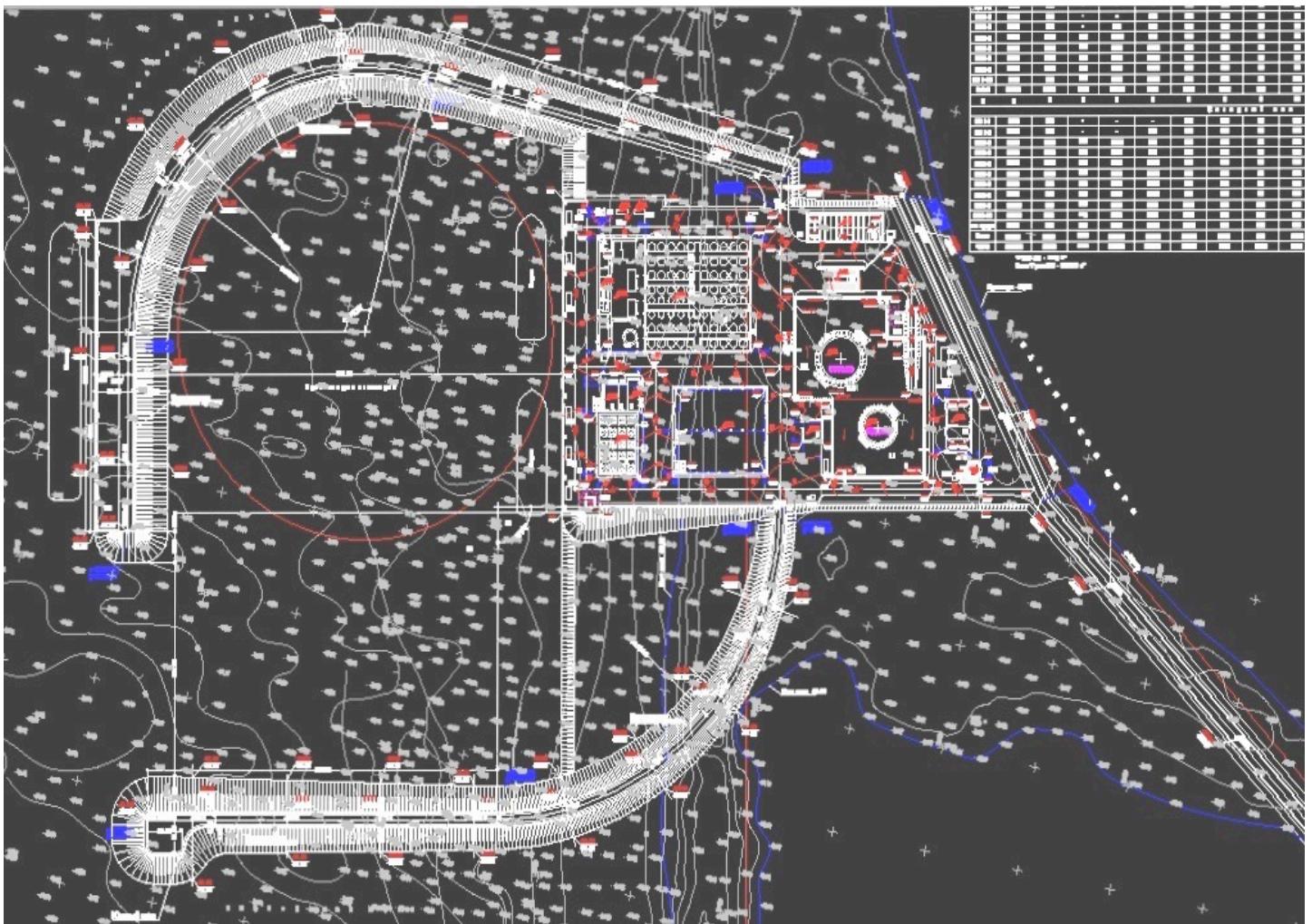
Oil loading base was designed in the former tank farm, which provides oil Emba district. In accordance with its objectives tank farm has railway stalemate with bottom discharge devices (such as STS) oil out railway different type of tanks, pumping them into the storage tanks of various brands, both light and dark, and a device for pumping oil in the tank and fuel storage.

Tank farm receives oil from the deposit "South Alibek."

Customer: «CaspijNeft TME» JSC

Total investment of the project: 25 000 000 US \$

Period: 2004



## Plant of fluids for drilling in Bautino town, Mangistau region

The project in Bautino town, produces fluids for drilling, and this project contains:

- 2 moorings (one for receiving the base oil from the tanker into the tanks of 2,000 tons and 5,000 tons, the second for shipment to the barges for delivery to the drilling rigs);
- Pump Station;
- Mixing Workshop;
- 80 storages of 90 cubic metres of each for the storing final fluids;
- Storage of cement, barite and chemicals.

Customer: «Halliburton Inc» LLP

Total investment of the project: 55 000 000 US \$

Period: 2012



## Kazpack packaging bags production plant in Almaty region



The project includes:

- Production building;
- Laboratory;
- Garages;
- 2 boiler rooms;
- Compressor
- Administration office building;
- Free standing dining building.

Customer: «Kazpack» LLP

Total investment of the project: 10 000 000 US \$

Period: 2003



## PENOPLEX plant producing slabs of expanded polystyrene in Kapchagai

Plant Penoplex RK is equipped with modern Italian equipment. With the latest technology of production the entire process of manufacturing insulation board is fully automated from feed raw materials to packaging of finished products. If the plant operates an accredited laboratory, which tracks the physical and mechanical properties of the products and issue quality certificates for each shipment.

Customer: «Penoplex RK» LLP

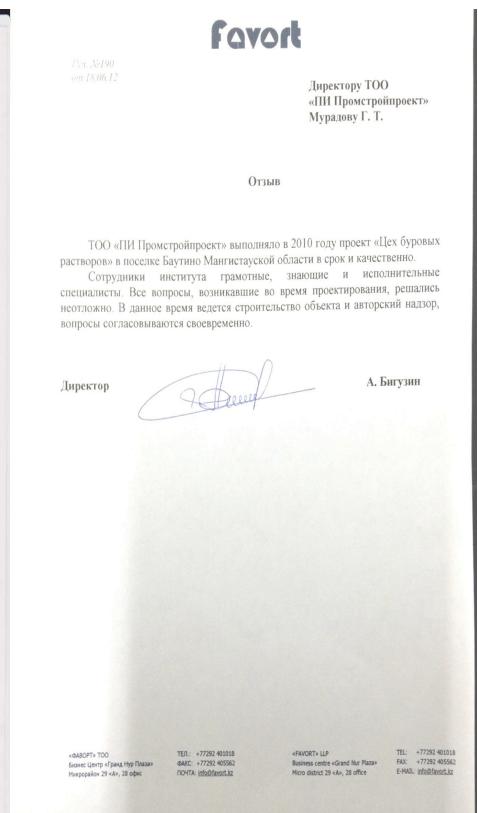
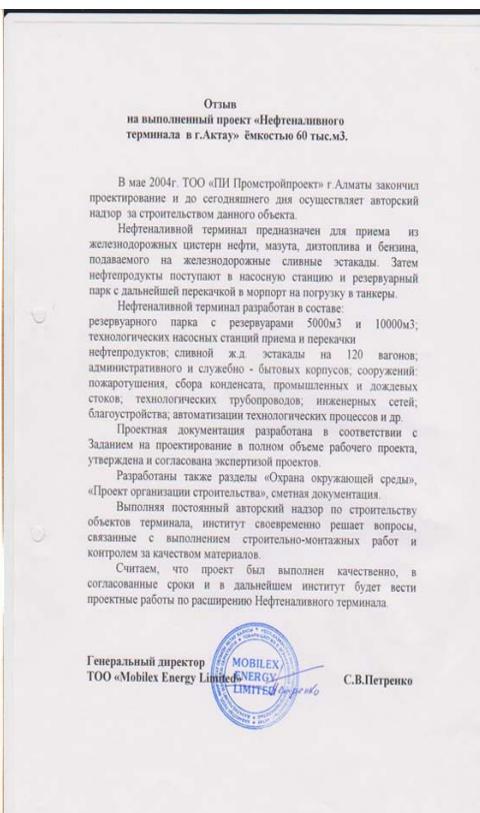
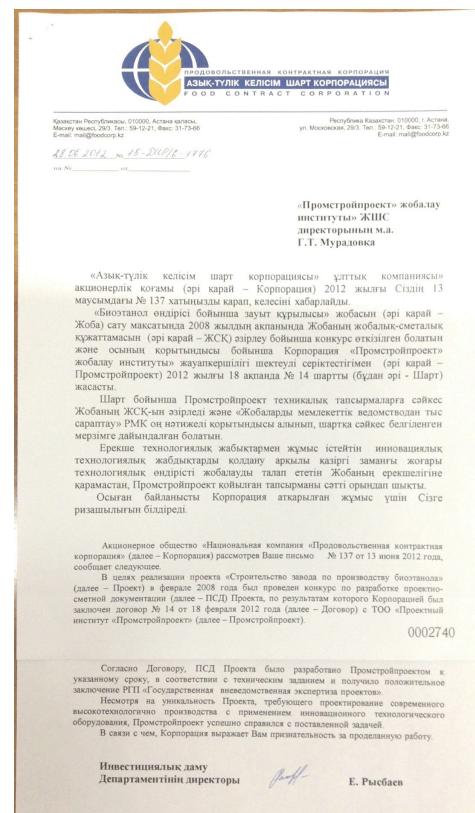
Total investment of the project: 25 000 000 US \$

Period: 2011



## **Partners and references**

During long history in the market of design work our Institute has established itself as a reliable partner that performs tasks efficiently and on time.





## Promstroyproject Design Institute

050036, Almaty, Kazakhstan  
12th microdistrict, 23-B Altynsarın street,  
Tel: +7-727-303-26-05; 303-26-06; cell: +7-701-888-26-05  
Fax: +7-727-26-04  
e-mail: baiseitov@pspkaz.com  
web-adress: www.pspkaz.com

