



Severodonetsky ORGHIM



**optimal
engineering solutions**

Geography of projects



Russian Federation

Azov, Aksaraisk, Angarsk, Astrakhan, Achinsk, Berezniki, Blagoveshchensk, Vanino, Vidnoye, Vitim, Volgograd, Volgodonsk, Volzhskiy, Voskresensk, Gubakha, Dzerzhinsk, Dorogobuzh, Ivanovo, Irelyakh, Kazan, Kogalym, Kemerovo, Kirovo-Chepetsk, Kolguyev Island, Komsomolsk-on-Amur, Kotelnikovo, Makhachkala, Meleuz, Mendeleyevsk, Moscow, Lenek, Lodeynoye Pole, Nalchik, Nakhodka, Nakhodka-on-Tazovskaya Guba, Nevinnomyssk, Nizhnekamsk, Nizhnevartovsk, Novgorod, Novomoskovsk, Novocherkassk, Novoshakhtinsk, Perm, Purovsk, Rossosh, Salavat, St. Petersburg, Saratov, Sosnogorsk, Slavyansk-on-Kuban, Sterlitamak, Surgut, Synya, Taas-Yuryakh, Tarko-Sale, Togliatti, Tomsk, Tuapse, Uvarovo, Usinsk, Ukhta, Cherepovets, Shchekino, Khabarovsk, Yamburg.

Ukraine

Andreyevka, Akhtyrka, Berdyansk, Bucha, Vinnitsa, Volnogorsk, Volnovakha, Gadyach, Gorlovka, Gostomel, Dnepropetrovsk, Dneprodzherzhinsk, Donetsk, Zaporozhye, Kerch, Kiev, Kotelva, Krasnoperekopsk, Kremenchug, Krivoy Rog, Konstantinovka, Lisichansk, Lokachi, Lvov, Mariupol, Merefa, Merchik, Nikolayev, Odessa, Oposhnya, Razdol, Rovno, Rokitnoye, Sambor, Severodonetsk, Simferopol, Staroverovka, Sumy, Cherkassy.

Republic of Kazakhstan

Almaty, Aksai, Aktau, Atyrau, Aktobe, Dzhambul, Zhanazhol, Pavlodar, Semipalatinsk, Tengiz, Uralsk.

Republic of Uzbekistan

Ferghona, Navoi, Chirchik, Kungrak, Bukhara

Turkmenistan

Korpefin, Mary, Nebit-Dag, Cheleken

Azerbaijan

Baku, Sumgait

Armenia

Yerevan, Kirovakan

Belarus

Grodno, Novolototsk

Georgia

Rustavi

Latvia

Ventspils

Lithuania

Ionava, Kekaynyay

Moldova

Yedintsy

Kyrgyzstan

Zhalal-Abad

Tadzhikistan

Kurgan-Tyube

Estonia

Kokhtla-Yarve

and also Afghanistan, Bulgaria, Hungary, Germany, India, China, Cyprus, Cuba, North Korea, Serbia.



**Nikolay V. Koshovets,
Chairman of the Board, General Director,
Candidate of Engineering Science,
Academician, Doctor of Economic Science
of the Ukrainian Technological Academy**

***Severodonetsky ORGHIM
is successfully progressing under market economy conditions.
The company makes a corner stone competitive ability
and comprehensive approach to projects implementation.***

***We offer our Customers
reliable and economically sound
engineering solutions!***

Severodonetsky ORGHIM

It is a multiservice engineering company

It is founded in 1960

More than 600 production facilities put into operation

Fields of activity:

- chemical industry;
- oil-and-gas processing industry;
- petrochemical industry;
- transportation and storage of oil, gas, liquefied hydrocarbons, chemical compounds (including liquid ammonia);
- hydrocarbon fields construction.



*Severodonetsky ORGHIM
is a leader of specialized engineering
and technical services
in the oil-and-gas processing
and chemical industries!*



Severodonetsky ORGHIM ZAO performs engineering and technical support of industrial construction/reconstruction projects.

The package of engineering services covers the main technology, Instrumentation and Automatic Control Systems of Production Process, electric and heat-and-power equipment, water treatment systems, industrial ventilation and aspiration systems.

The company's specialists perform some activities required for commissioning but not included into the EPC package of foreign companies:

- development of process procedures, Emergency Response Plans, work stations operating instructions, equipment and pipelines certificates;
- on-the-job training of operating personnel and also personnel training with the use of dedicated software simulators;
- engineering and technical support during the initial operating period.

Unlike the other engineering companies that only perform functions of technical consultants, the specialists of Severodonetsky ORGHIM directly participate in project activities together with the personnel of the Customer and General Contractor.

Severodonetsky ORGHIM

Complete package of engineering and technical services – from project development to putting into operation.

Economy in total capital investments and exclusion of unscheduled time consumption and financial expenses

Ensuring operating reliability and safety of production facilities

Reduction of investment and production risks



Severodonetsky ORGHIM

More than 100 facilities put into operation during the recent 15-year period:

17 crude oil and gas condensate primary distillation plants

33 hydrocarbons high level processing plants

19 facilities of gas processing industry

15 production facilities of chemical industry

7 terminals for oil and chemicals handling

15 facilities of oil and gas fields construction



The company's specialists have experience in putting into operation of diversified production facilities in many industries:

Oil refining – crude oil distillation units, catalytic reformers, catalytic cracking units, hydrotreating units, hydrodewaxing units, zeoforming units, isomerization units, oligomerization units, visbreaking units, alkylation units, vacuum residue delayed coking units, hydrogen generating units, road and construction bitumen units.

Gas processing – complex gas treatment plants, sulfur recovery units, plants of propane-butane production with the use of absorption and cryogenic method.

Oil fields construction – complex oil and gas treatment plants, oil and gas condensate stabilization, de-ethanization and demercaptanization plants.

Chemical industry – ammonia, urea, methanol, nitric acid, ammonium nitrate, argon, sebacic acid, acetic acid, acetylene, ethylene, benzene, etc. production plants.

Transportation and storage of oil, gas and chemicals – oil, gas and chemicals terminals, isothermal storages of liquid ammonia and liquefied hydrocarbons.

Severodonetsky ORGHIM

Our company has a long experience of using technologies and equipment of the leading companies:

- **USA** – KOCH-GLITCH, INVENSYS SYSTEMS, HONEYWELL, PETROFAC, CHEMICO, SHEVRON, DRESSER-KLARK, MONSANTA, BASIC SYSTEMS, ALLEN BRADLEY, EMERSON, MOORE PRODUCTS, WONDERWARE, CHEM DESIGN, UOP, ABB, VENTECH, ASPENTECH, BSI INDUSTRIES;
- **Japan** – JGC, TEC, MITSUBISHI, YOKOGAWA;
- **France** - ENSA, KLE, FIN, TECHNIP;
- **Italy** - MONTECATINI, MONTEDISON, SNAMPROGETTI, NUOVO-PIGNONE;
- **Germany** – LURGI, LINDE, LAFARGE, SCHNEIDER, HARTMANN & BRAUN;
- **England** – DAVY MACKEE, BRITISH GAS;
- **Czech Republic** – CHEPOS, ŠCODA, MBNS, AGROTECH, KG PROCESS INNOVATION;
- **Canada** – PROPAK, KOYO, CONTROL MICROSYSTEM, TDE;
- **Israel** – METEK METAL TECHNOLOGY, NEPRO.

Our customers are the largest oil-and-gas, chemical and engineering companies of the CIS and far-abroad countries.

Experience of using technologies and equipment of the leading companies

Highly qualified personnel

Individual approach and tending to optimal solutions of the Customer's challenges

Our Customers are the largest companies of the CIS and far-abroad countries



Severodonetsky ORGHIM

Key focus areas:

- engineering and technical support of construction/reconstruction projects for oil-and-gas processing, chemical, petrochemical and oil-and-gas industries:
- independent analysis of investment projects and project documentation;
- design works;
- engineering supervision of construction-erection activities;
- development of start-up and operations documentation;
- pre-commissioning, start-up and commissioning;
- training of operating personnel;
- support during the initial operating period.
- project management;
- functions of the Construction management company and General contractor.





Severodonetsky ORGHIM

Products and Services:

- complex inspection and expertise of equipment condition;
- engineering and technical support of revamps and capital overhauls of primary reformers furnaces of Ammonia production plants;
- equipment and pipelines certification;
- design, supply and putting into operation of Instrumentation, Automatic Control Systems, ESS, MES;
- development of operating personnel training software;
- design, supply and putting into operation of aspiration, dust and gas separation systems;
- vibrodiagnostics and balancing adjustment of rotating equipment, supply of portable equipment for vibrodiagnostics and balancing;
- development and implementation of automatic vibration monitoring systems;
- operational and thermal performance tests of power generating facilities;
- commissioning of ventilation, pneumatic conveying and water treatment systems, boiler, electric and heat-and-power equipment.



Severodonetsky ORGHIM

**Laureate of the Competition
*The Leader of Fuel and Energy
Complex of Ukraine***

**Laureate of VIII International
Goods and Services Popularity
and Quality Rating *Golden
Fortune* in the nomination
*The Leading Engineering
Company of the CIS***

**Member of Industrialists and
Entrepreneurs of the Russian
Federation**

**Member of the Engineering
Companies Union of the
Republic of Kazakhstan**



Severodonetsky ORGHIM

Quality Management Certificate ISO 9001:2008

Licenses and Permissions of:

- The State Committee of Ukraine for Construction and Architecture;
- The State Labour Protection Supervision Committee of Ukraine;
- The Ministry of Education and Science of Ukraine;
- The State Department of Fire Safety of the Ministry of Emergency Situations of Ukraine;
- The self-regulating organizations of specialized enterprises of the Russian Federation;
- The State Committee for Construction Affairs of the Republic of Kazakhstan;
- The State Committee of the Republic of Uzbekistan for Architecture and Construction.





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