

ZAVKOM ENGINEERING

BIOTECHNOLOGY | OIL AND GAS CHEMISTRY

Turnkey plant construction by ZAVKOM-ENGINEERING

Open promotional film

Open all projects

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Content

ZAVKOM ENGINEERING
BIOTECHNOLOGY | OIL AND GAS CHEMISTRY

Company General Information

- About the company
- Structure
- Departments
- Advantages of cooperation:
  - Engineering services
  - Specialists
  - Production
  - Own brand of shut-off and control valves
  - Turnkey automation
  - Working with foreign licensors

Biotechnology Department Projects

- Aspects
  - deep processing plants for wheat, corn
  - deep processing plants for peas
  - citric acid production plants
  - beer production equipment
  - distilleries
  - microbial protein production from natural gas

Petrochemistry Department Projects

- Aspects
  - field development
  - amine and alkaline gas purification
  - evaporation plants
  - resins and adhesives production units
  - formaldehyde and UFC production units
  - crystallization and scaling units
  - naphthalene and benzene purification plants
  - aniline production plants

Concluding part

- Projects geography
- We are trusted
- Contacts

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BIOTECHNOLOGY | OIL AND GAS CHEMISTRY

Company General Information

content

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About the company

content

ZAVKOM ENGINEERING
BIOTECHNOLOGY | OIL AND GAS CHEMISTRY

The Limited Liability Company “ZAVKOM-ENGINEERING” is your reliable EPC and EPC/M partner in the implementation of high-technology production facilities for the oil and gas chemical industry, biotechnology, and the food industry.

We provide a complete range of engineering services for the integrated implementation of high-technology and energy-efficient industrial units and equipment. We bear full legal responsibility.

- We are a member of the Chamber of Commerce and Industry of the Russian Federation
- We are included in the Register of Engineering Companies of the Russian Federation
- We are a licensor of technologies: naphthalene purification, resin production, evaporation units, production of sulfonated naphthalene plasticizers, formalin, and adhesive compositions
- We operate in the markets of the Russian Federation, the Commonwealth of Independent States, and the Arab Republic of Egypt
- We have our own office in the People’s Republic of China (City of Shanghai)
- We have our own scientific and technical, engineering, and production facilities

200 + person **TEAM**

300 + successful **PROJECTS**

7 000 m² + production **SITES**



Today ZAVKOM-ENGINEERING is complex projects, many years of experience, energy-efficient technologies, high-quality equipment just in time

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Structure

content

ZAVKOM ENGINEERING
BIOTECHNOLOGY | OIL AND GAS CHEMISTRY

LLC «VIVAT»

founder

General Director: ***Sergey Nikolaevich Artyomov***
(acting on the basis of the Charter)

LLC «ZAVKOM-ENGINEERING»

ZAVKOM ENGINEERING

EPC and EPC/M partner for the implementation of high-technology production facilities

General Director: ***Yuri Gennadyevich Kombarov***
(acting on the basis of the Charter)

zavkomgroup.com

JSC «ZAVKOM»

ZAVKOM
AN EPC COMPANY

Machine-Building Plant «Komsomolets»

General Director: ***Sergey Vladimirovich Abrosimov***
(acting on the basis of the Charter)

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Departments

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ZAVKOM ENGINEERING
BIOTECHNOLOGY | OIL AND GAS CHEMISTRY

Petrochemicals

Biotechnology





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Unique Selling Proposition (USP)

ЗАВКОМ ИНЖИНИРИНГ
БИОТЕХНОЛОГИЯ НЕФТЕГАЗОХИМИЯ

- **One Responsible Center**
  From Brief to Delivery
- **Proprietary Licensed Technologies**
- **Internal Manufacturing:**
  Quality and On-Time Delivery Guaranteed
- **Trusted by Industry Leaders**
  Gazprom, Sibur, Tatneft, Gazprom Neft, Novatek
- **Tailored Automation:**
  PLC Software, Control Panels, Instrumentation
- **Guaranteed Quality of Shut-off Control Valve**
  Manufactured Under Our Own Brand
- **Validate Technologies with Zero Risk**
  Pilot Scale
- **Customized Payment Options**
- **Quality Assurance Certified**

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Advantages

wide range of engineering services

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ZAVKOM ENGINEERING

BIOTECHNOLOGY | OIL AND GAS CHEMISTRY

A complete range of engineering services for the petrochemical and biotechnological industries

EPC

PRE-PROJECT ENGINEERING

- Technological audit of facilities
- Development of general technical solutions
- Feasibility study

BASIC ENGINEERING

- Development of technical documentation
- Conducting tests on a pilot plant

DETAILED ENGINEERING

Development of documentation | 3D modeling | APCS

- Process calculations based on the developed
- Development of design documentation
  In accordance with the law of Russian Federation Government of dated 16.02.2008 No 87 "On the composition of sections of design documentation and requirements for their content"
- Development of working documentation
- Development of design documentation
- Technical specifications
- Quality control plan for supplied installations, equipment
- Operating manual
- Support during state or non-state expert review of design documentation

EQUIPMENT PROCESSING

- Manufacturing and/or assembly
- Delivery to the Customer's site

FIELD ENGINEERING

- Author's supervision
- Installation supervision
- Commissioning
- Training of the Customer's personnel (operators)

SUPPORT

- Technical support of the Customer during the warranty and post-warranty periods

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Team

> 200
qualified
employees on staff

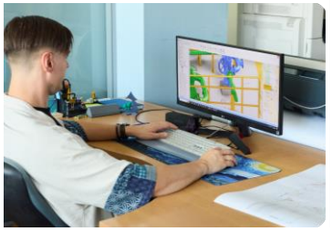
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ЗАВКОМ ИНЖИНИРИНГ
БИОТЕХНОЛОГИЯ НЕФТЕГАЗОХИМИЯ











Company structure

General Director
Biotechnology Department
Petroleum Chemistry Department
Production Department
Construction department
Accounting Department
Legal Department
Purchasing Department
Marketing Department
Automation Department
APCS Department
Shut-off and control valves department
Supervision-installation activity and commissioning work department
Warehouse Department
Department for Operation Support

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Production

> 7 000 m²
of space

content

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- Capacitive equipment
- Heat exchange equipment
- Column equipment
- Reactor equipment
- Shut-off and control valves
- Control cabinets

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Production

ZRA
own brand

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- Shut-off and control valves
- Shut-off valves
- Pneumatic valves
- Manual gate valve (wedge)
- Ball valves
- Butterfly disc valves
- Gate valves (gate valves)
- Check valves (gates)
- Mesh filters



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Production

ASU TP

turnkey

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- Pre-project maintenance
- Automated process control system development
- Designing
- Manufacturing and implementation
- Installation and commissioning supervision
- Personnel training
- Support



SCADA-system

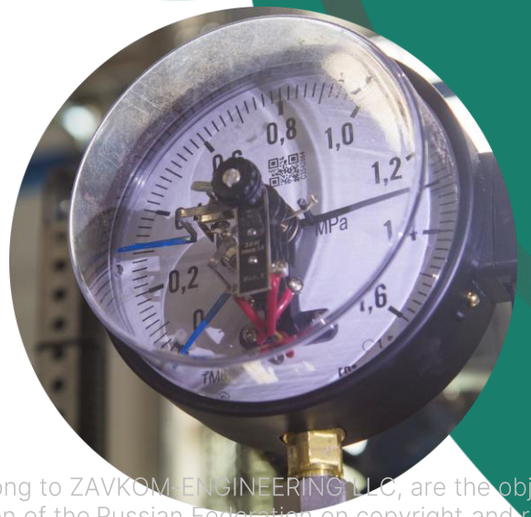
Automates control and management of technological processes in real time with its own library of Zavkom Control software.

ESD system

Emergency protection, which is the last line of defense that does not allow a person under any circumstances to perform actions that will lead to an emergency situation.







We reduce risks, improve product quality and eliminate accidents in production.

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supplies in the field of deep grain processing

Advantages

many years' experience working with foreign licensors

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BIOTECHNOLOGY | OIL AND GAS CHEMISTRY





more than 10 years of cooperation with world technology leaders

competencies for the implementation of joint projects

many years of experience in adapting technologies to Russian production

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OIL AND GAS CHEMISTRY

Projects of the Department of Petrochemicals

Packaged modular equipment
Production units for industrial water from complex effluents
CO_2 purification units for industrial alcohol production
Salt concentrate evaporation units
Vacuum evaporation units for VOCs
Rectification units and vacuum evaporation units
Resin and UFC production plants
Resin production plants
Adhesive compositions production units
Formaldehyde and UFC production units
Caprolactam crystallization unit
Naphthalene production unit
Production of aniline and N-methylaniline
Industrial catalysts and adsorbents

content

All projects

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Aspects

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OIL AND GAS CHEMISTRY

PRODUCTION, PROCESSING, TRANSPORTATION OF OIL AND GAS

- Packaged modular equipment
- Integrated gas treatment plants
- Amine and alkali gas purification units
- Process water production units for a complex of thermal neutralization of liquid effluents

WATER TREATMENT AND EFFLUENT TREATMENT

- Wastewater treatment units
- Water treatment units
- Wastewater treatment units

CONCENTRATION TECHNOLOGIES

- Evaporation units

WOODWORKING CHEMISTRY

- Formaldehyde resin production units
- Adhesive compositions production units

CLEANING AND REGENERATION

- Units for purification of naphthalene, benzene, etc.
- Solvent recovery and mixture separation plants

CATALYTIC SYNTHESIS

- Formaldehyde and UFC production units
- Industrial catalysts and adsorbents

RELEASE OF FINISHED BULK PRODUCTS

- Crystallization and flaking units

SPECIAL EQUIPMENT

ANILINE PRODUCTION

All aspects

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Projects

extraction, processing, transportation of oil and gas

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As part of the project for the development of the Yuzhno-Kirinskoye oil and gas condensate field

content

PRODUCTION FIELDS DEVELOPMENT

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Projects

extraction, processing, transportation of oil and gas

content

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OIL AND GAS CHEMISTRY



Scope of delivery

As part of the project for the development of the Yuzhno-Kirinskoye oil and gas condensate field

- Mega regeneration units, reflux tanks, degassing separator for liquid mixtures
- Blocks of buffer and emergency tanks
- Primary and low-temperature separator blocks

— development of working design documentation
— manufacturing and complete supply of equipment



Packaged modular equipment
LLC "RusGazShelf" for PJSC "Gazprom"

2025

Sakhalin Island

Open the delivery video

Open reference

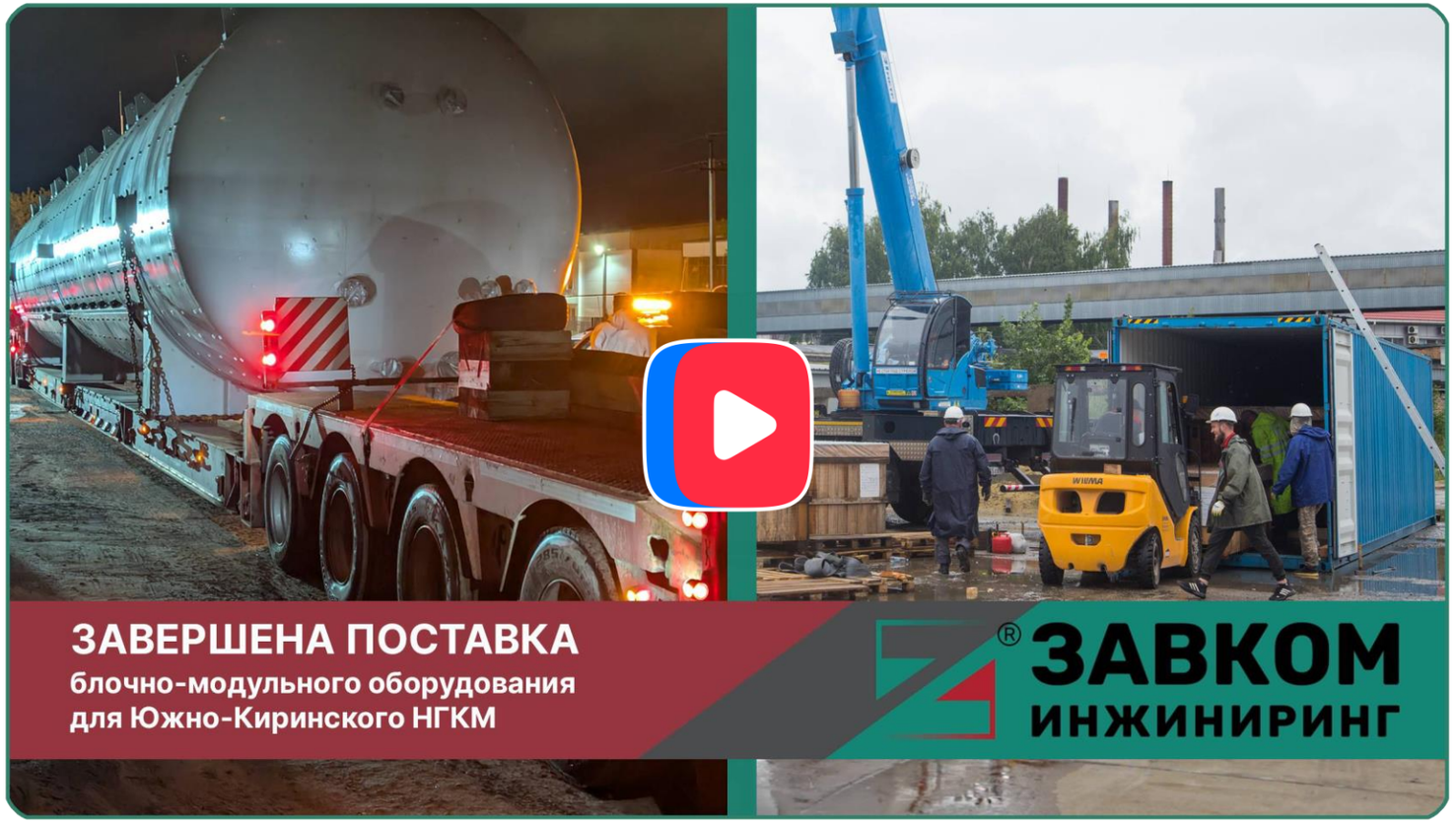
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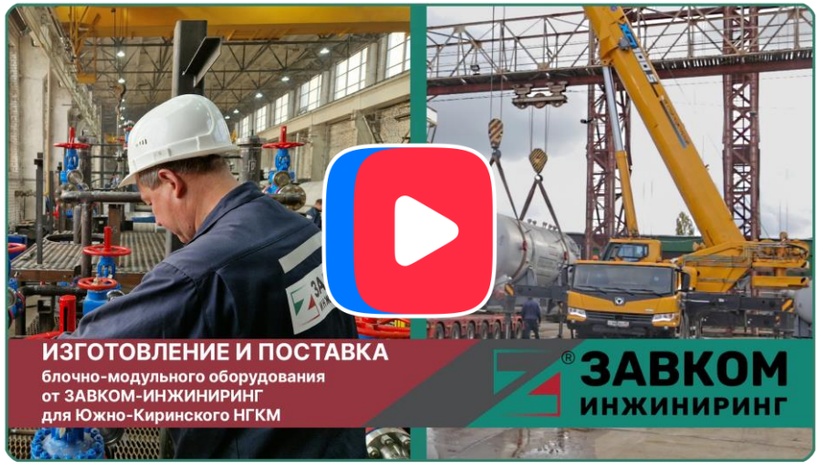
Video

more details on the delivery process

Download

Open on VK Video







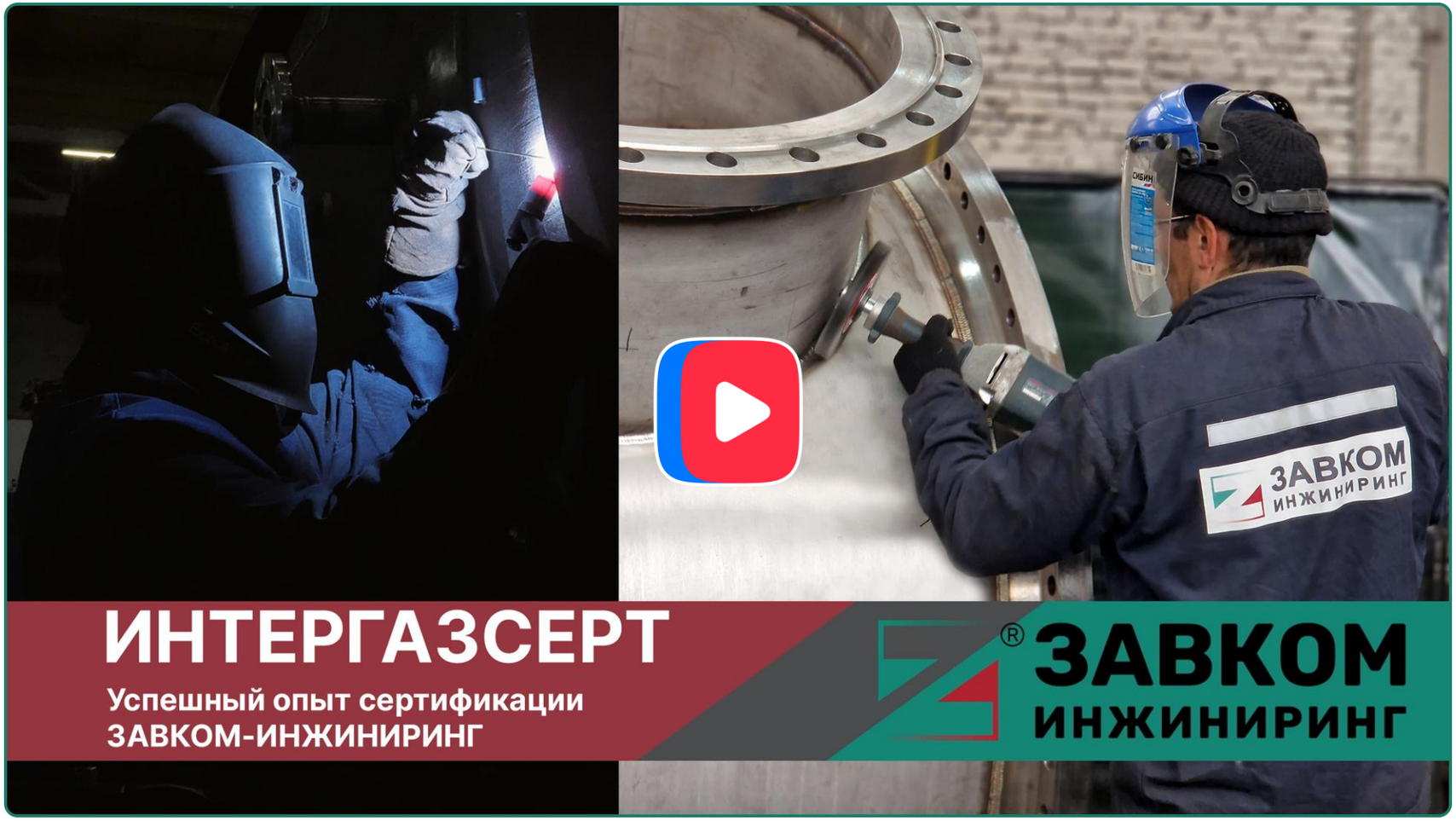
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Video

certification experience

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INTERGAZSERT

Voluntary Certification System

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OIL AND GAS CHEMISTRY



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ИНТЕРГАЗСЕРТ
РОСС RU.31570.04ОГН0

ОРГАН ПО СЕРТИФИКАЦИИ СИСТЕМ МЕНЕДЖМЕНТА КАЧЕСТВА «КЦ «ПЕРСПЕКТИВА» № ОГН1.RU.1416

Российская Федерация, 105120, г. Москва, улица Нижняя Сыромятническая, д. 11, стр. 52, этаж 6, пом. 1, ком. 7, 8, 9, тел.: +7 (495) 721-35-85, e-mail: info@kc-perspektiva.ru

СЕРТИФИКАТ СООТВЕТСТВИЯ

№ ОГН1.RU.1416.K00365 К 01303
Срок действия с 08.02.2024 по 07.02.2027
СЕРТИФИКАТ ВЫДАН : Обществу с ограниченной ответственностью «ЗАВКОМ-ИНЖИНИРИНГ» (ООО «ЗАВКОМ-ИНЖИНИРИНГ»)

АДРЕС : Российская Федерация, 392000, г. Тамбов, ул. Советская, д. 51, оф. 319
Телефон: +7 (4752) 79-37-22. Факс: +7 (4752) 70-35-25., e-mail: office@zavkomepc.com

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Система менеджмента качества оценена в рамках ОГН0.RU.0136 применительно к проектированию, разработке, производству, поставке, шеф-монтажу и пусконаладке блоков технологических емкостных БТЕ (ТУ 28.99-005-12411205-2022), фильтров жидкостных ФЖД (ТУ 28.29-006-12411205-2023)

Действует с приложением

СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ
СТО Газпром 9001-2018

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Руководитель органа по сертификации Б.Б. Говорков
Эксперт С.Н. Морозов



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ИНТЕРГАЗСЕРТ
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СВИДЕТЕЛЬСТВО ОБ ОЦЕНКЕ ДЕЛОВОЙ РЕПУТАЦИИ

№ ОГН1.RU.1416.00129 ДР 00326
Срок действия с 10.01.2024 по 09.01.2027
ИНДЕКС ДЕЛОВОЙ РЕПУТАЦИИ

Общества с ограниченной ответственностью «ЗАВКОМ-ИНЖИНИРИНГ» (ООО «ЗАВКОМ-ИНЖИНИРИНГ»)
(полное наименование заказчика)

применительно к

28.14, 28.25.1, 28.99.9, 33.12, 41.20, 43.11, 43.12.3, 43.21, 43.91, 43.99,
(виды экономической деятельности по ОК 029-2014)
43.99.1, 46.69.9, 46.75.2, 71.12.1, 71.12.12, 71.20.9

СОСТАВЛЯЕТ 72,4

СВИДЕТЕЛЬСТВО ВЫДАНО НА ОСНОВАНИИ РЕШЕНИЯ ОРГАНА ПО СЕРТИФИКАЦИИ СИСТЕМ МЕНЕДЖМЕНТА КАЧЕСТВА «КЦ «ПЕРСПЕКТИВА» О ВЫДАЧЕ СВИДЕТЕЛЬСТВА ОБ ОЦЕНКЕ ДЕЛОВОЙ РЕПУТАЦИИ ОТ 04 СЕНТЯБРЯ 2023 ГОДА

ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ

Руководитель органа по сертификации Б.Б. Говорков
Эксперт С.Н. Морозов



СИСТЕМА ДОБРОВОЛЬНОЙ СЕРТИФИКАЦИИ
ИНТЕРГАЗСЕРТ
РОСС RU.31570.04ОГН0

ОРГАН ПО СЕРТИФИКАЦИИ ПРОДУКЦИИ АО НДЦ НПФ «Русская лаборатория», регистрационный номер ОГН4.RU.1103, юридический адрес: 197101, Российская Федерация, Санкт-Петербург, пер. Пушкарский, д. 9, литер А, помещение 3-Н, часть 1, телефон: +7 (812) 325-66-24, e-mail: osp@ruslab.org

СЕРТИФИКАТ СООТВЕТСТВИЯ

№ ОГН4.RU.1103.B02922 П 04821
Срок действия с 08.02.2024 по 07.02.2027
ПРОДУКЦИЯ: ТИП ПРОДУКЦИИ: Фильтры жидкостные ФЖД, работающие под давлением не более 16,0 МПа, изготавливаемые по техническим условиям 28.29-006-12411205-2023 ТУ «Фильтр жидкостный. Технические условия». Серийный выпуск.
Состав блочно-модульного оборудования и технические характеристики указаны в Приложении, бланк № ПП 03781 к настоящему сертификату

КОД ОК 034-2014: 28.29.12.130 КОД ТН ВЭД РФ: -
СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ НОРМАТИВНЫХ ДОКУМЕНТОВ
СТО Газпром 2-2.1-607-2011 (п.п.: 4.1.3, 4.2, 4.9.2, 5.1.2, 6.1.1, 6.1.5, 7.6, 7.8.2; 8.2); ГОСТ 34347-2017 (п.п.3.1.1, 3.1.2, 3.1.4, 3.1.6, 3.2.9, 3.4.2, 3.6.1, 4.1, 4.2, 4.3, 4.6, 4.7, 5.1.1, 5.1.2, 5.1.4-5.1.6, 5.2.1, 5.2.4, 5.3.3.1-5.3.3.3, 5.4, 5.5.1, 5.5.4, 5.5.7, 7.11, 7.12.4)

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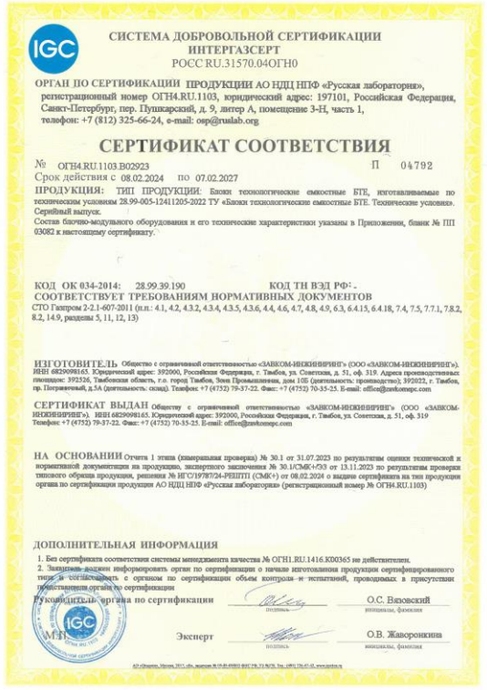
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НА ОСНОВАНИИ Отчета 1 этапа (измерительная проверка) № 30.2 от 31.07.2023 по результатам оценки технической и нормативной документации на продукцию, экспертного заключения № 30.2/СМК+/53 от 13.11.2023 по результатам проверки типового образца продукции, решения № ИГ/1978/724-РЕШТП (СМК+) от 08.02.2024 о выдаче сертификата на тип продукции органа по сертификации продукции АО НДЦ НПФ «Русская лаборатория» (регистрационный номер № ОГН4.RU.1103)

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Руководитель органа по сертификации О.С. Вязовский
Эксперт А.Н. Луценко



СИСТЕМА ДОБРОВОЛЬНОЙ СЕРТИФИКАЦИИ
ИНТЕРГАЗСЕРТ
РОСС RU.31570.04ОГН0

ОРГАН ПО СЕРТИФИКАЦИИ ПРОДУКЦИИ АО НДЦ НПФ «Русская лаборатория», регистрационный номер ОГН4.RU.1103, юридический адрес: 197101, Российская Федерация, Санкт-Петербург, пер. Пушкарский, д. 9, литер А, помещение 3-Н, часть 1, телефон: +7 (812) 325-66-24, e-mail: osp@ruslab.org

СЕРТИФИКАТ СООТВЕТСТВИЯ

№ ОГН4.RU.1103.B02923 П 04792
Срок действия с 08.02.2024 по 07.02.2027
ПРОДУКЦИЯ: ТИП ПРОДУКЦИИ: Блоки технологические емкостные БТЕ, изготавливаемые по техническим условиям 28.99-005-12411205-2022 ТУ «Блоки технологические емкостные БТЕ. Технические условия». Серийный выпуск.
Состав блочно-модульного оборудования и его технические характеристики указаны в Приложении, бланк № ПП 03082 к настоящему сертификату.

КОД ОК 034-2014: 28.99.39.190 КОД ТН ВЭД РФ: -
СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ НОРМАТИВНЫХ ДОКУМЕНТОВ
СТО Газпром 2-2.1-607-2011 (п.п.: 4.1, 4.2, 4.3.2, 4.3.4, 4.3.5, 4.3.6, 4.4, 4.6, 4.7, 4.8, 4.9, 6.3, 6.4.15, 6.4.18, 7.4, 7.5, 7.7.1, 7.8.2, 8.2, 14.9, раздены 5, 11, 12, 13)

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Телефон: +7 (4752) 79-37-22. Факс: +7 (4752) 70-35-25. E-mail: office@zavkomepc.com

НА ОСНОВАНИИ Отчета 1 этапа (измерительная проверка) № 30.1 от 31.07.2023 по результатам оценки технической и нормативной документации на продукцию, экспертного заключения № 30.1/СМК+/53 от 13.11.2023 по результатам проверки типового образца продукции, решения № ИГ/1978/724-РЕШТП (СМК+) от 08.02.2024 о выдаче сертификата на тип продукции органа по сертификации продукции АО НДЦ НПФ «Русская лаборатория» (регистрационный номер № ОГН.RU.1103)

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Руководитель органа по сертификации О.С. Вязовский
Эксперт О.В. Жаворонкина



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РОСС RU.31570.04ОГН0

ОРГАН ПО СЕРТИФИКАЦИИ ПРОДУКЦИИ ООО «МГТ».

Регистрационный номер № ОГН4.RU.1119 от 12.07.2023.
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СЕРТИФИКАТ СООТВЕТСТВИЯ

№ ОГН4.RU.1119.B03515 П 05792
Срок действия с 14.02.2025 по 13.02.2028
ПРОДУКЦИЯ:
Уровнемер микроимпульсный УМ.
Продукция изготовлена в соответствии с техническими условиями ТУ 26.51.52-008-12411205-2023.
Серийный выпуск.

КОД ОК 034-2014: 26.51.52.120 КОД ТН ВЭД РФ: -
СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ НОРМАТИВНЫХ ДОКУМЕНТОВ
ГОСТ Р 52931-2008 (пп. 5.1, 5.2, 5.5, 5.13, 5.14.2, 5.14.6, 5.17, 5.19.6, 5.19.8, 5.21.1, 5.21.2, 5.22, 5.33, 8.1.4, 9.1); ГОСТ 28725-90 (пп. 1.3.2, 1.4.1, 1.4.2, 1.4.5, 1.4.6, 1.4.8, 1.4.11, 1.4.13, 1.5.2); ГОСТ 14254-2015 (IEC 60529:2013) (п. 5.2, р.6).

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НА ОСНОВАНИИ
Акта о результатах анализа состояния производства № 4-22416 от 01.10.2024; протокола сертификационных испытаний № 4-22416-120IH-ОГН4.RU.2654(ИЛ) от 10.12.2024 ИЛ ООО «МГТ» (свидетельство о признании компетентности № ОГН4.RU.2654, срок действия до 18.08.2027); протокола сертификационных испытаний № 014-ИГС/24 от 23.12.2024 ИЛ ССВ «МТУСИ» (свидетельство о признании компетентности № ОГН4.RU.2622, срок действия до 25.12.2024); акта экспертной группы по сертификации продукции № 4-22416 от 05.02.2025; решения о выдаче сертификата соответствия № 4-22416 от 14.02.2025.

ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ
Схема сертификации 2d.
Сертификат об утверждении типа № 93001-24, срок действия до 23.08.2029.

Руководитель органа по сертификации Д.А. Копылов
Эксперт С.Н. Бухаров

Gazprom Service Station Certificates

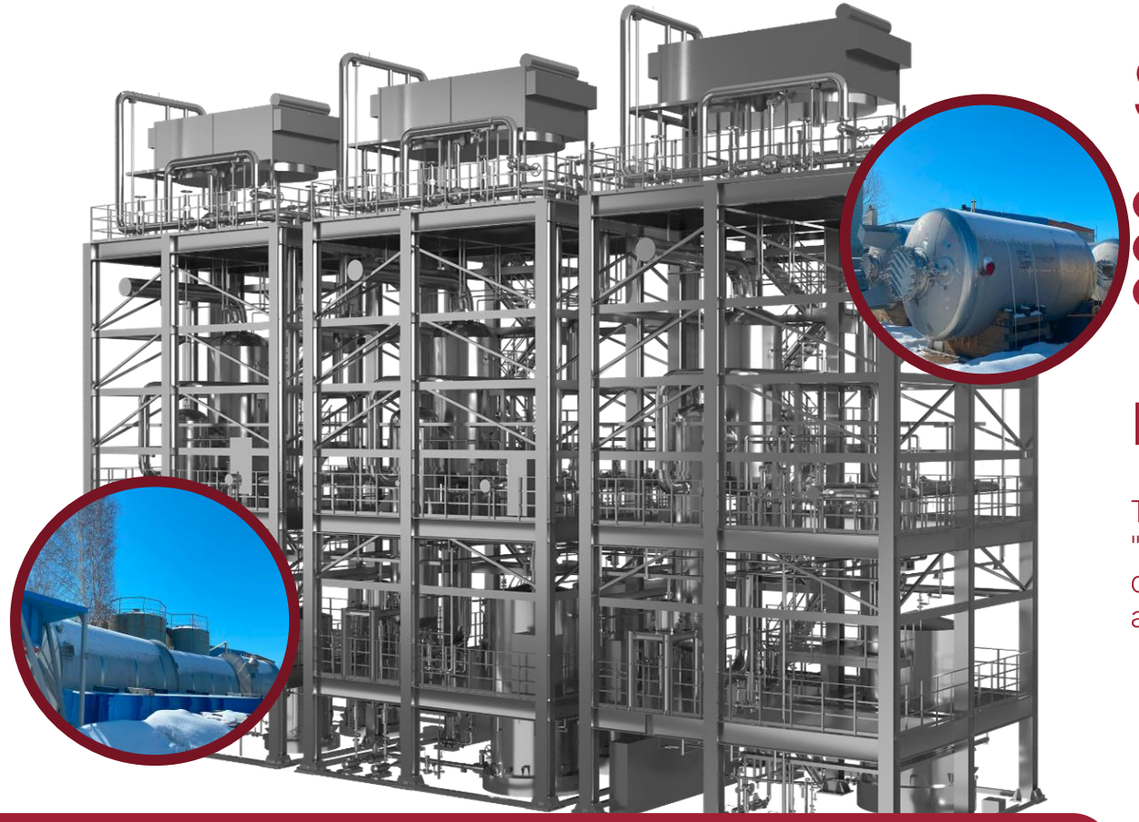
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Projects

concentration technologies, wastewater treatment

content

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OIL AND GAS CHEMISTRY



As part of the project for the development of the Yuzhno-Kirinskoye oil and gas condensate field

Scope of delivery

- Development of working design documentation
- Complete supply of process equipment
- Development of automated process control systems

Learn more about the project

The unit is part of the technological complex for thermal disposal of wastewater of the project "Development of the Yuzhno-Kirinskoye Gas Condensate Field". It includes more than 40 units of large equipment with a total weight of >600 tons. It is designed and equipped taking into account the location in the coastal zone of a seismically active region.

Process water production unit from complex effluents for a complex of thermal neutralization of liquid wastewater

Gazprom VNIIGAZ LLC

2025

Sakhalin Island

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Projects

amine and alkaline gas treatment

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OIL AND GAS CHEMISTRY

GAS TREATMENT

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Projects

amine and alkaline gas treatment

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Scope of delivery

- Development of design documentation
- Development of working documentation (recalculation of material balance and replacement of imported chemicals)
- Manufacturing and supply of process equipment
- Development of automated process control systems
- Manufacturing and supply of control cabinets and power cabinets, software
- Installation supervision
- Commissioning

CO_2 purification unit for industrial alcohol production complex

Confidential Client

Implementation

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Projects
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EVAPORATION UNITS

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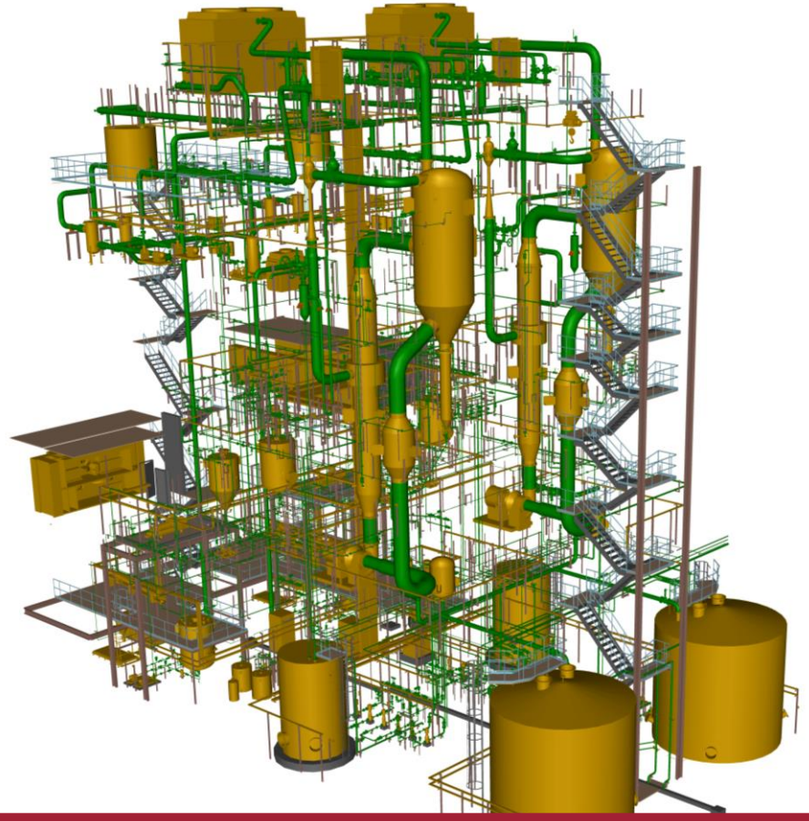
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OIL AND GAS CHEMISTRY



Scope of delivery

- Process Design
- Development of design documentation
- Manufacturing, supply of equipment
- Development of automated process control systems
- Supervision of installation and commissioning works
- Personal training

Learn more about the project

Implementation of the salt concentrate evaporation and crystallization unit followed by dewatering to minimize and utilize salt sludge.

Capacitive, filtering, heat exchange equipment, pumps, decanter, evaporator, salt column, heating chamber, cooling towers, centrifuges, ejectors, shut-off valves are supplied.

Evaporation unit
Technotex LLC

Implementation

Krasnodar region

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Video

more details on the delivery process

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OIL AND GAS CHEMISTRY

Scope of delivery

- Development of working design documentation
- Complete supply of process equipment
- Development of automated process control systems
- Installation supervision
- Commissioning

Open reference

Learn more about the project

The units are equipped with innovative mechanical vapor recompression (MVR) and forced circulation technology, which contributes to resource conservation of production, increases its energy efficiency and profitability, and ensures environmental safety. The equipment was implemented as part of a project to reclaim a landfill and process industrial waste.

Open installation process video

Open 3D video

Salt concentrate evaporation units
LLC "ASP-AQUA", LLC "NPF EITEK" for Federal State Unitary Enterprise "FEO"

2023

Leningrad region

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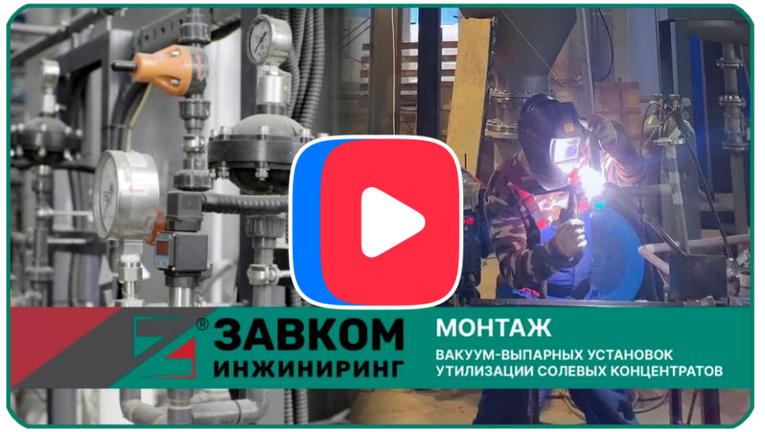
Video

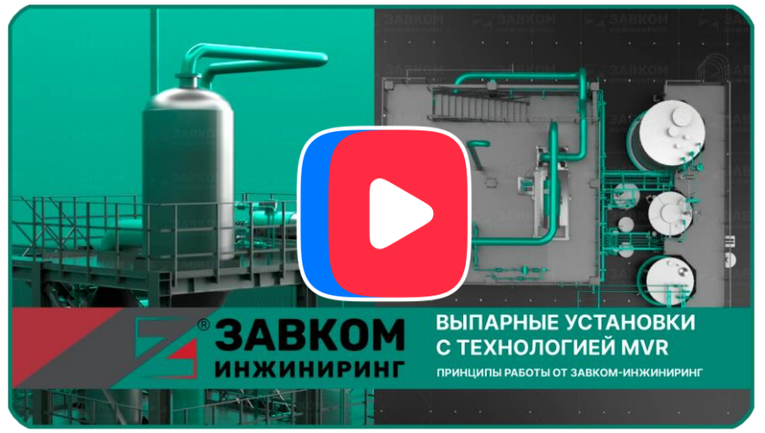
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Scope of delivery

- Pre-engineering surveys
- Development of basic and detailed engineering
- Process and general (overall) engineering design
- Development and implementation of an Automated Process Control System (APCS)
- Supply of process equipment
- Erection and installation works
- Commissioning works

Reverse Osmosis Concentrate Polishing Unit within the Framework of Remediation of Accumulated Environmental Damage at JSC «Baikal Pulp and Paper Mill»

Federal State Unitary Enterprise "Federal Environmental Operator"

Implementation

Irkutsk Region

Open 3D video

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OIL AND GAS CHEMISTRY



Scope of delivery

- Process Design
- Development of design documentation
- Manufacturing, supply of equipment
- Supervision of installation and commissioning works
- Personal training

Reverse osmosis concentrate polishing unit with a capacity of 900 kg/h

LLC «ASP AQUA» for Federal State Unitary Enterprise «Federal Environmental Operator»

Implementation

Irkutsk Region

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OIL AND GAS CHEMISTRY



Vacuum evaporation unit for VOCs

JSC Voronezhsintezkauchuk
(PJSC SIBUR Holding)

2019

Voronezh region

Scope of delivery

- Development of design and working documentation
- Complete supply of process equipment:

— vacuum evaporation unit
— lithium salt drying unit
— lithium salt packaging unit in equipment bags

- Development of automated process control systems
- Installation supervision
- Commissioning
- Personal training

Open 3D video

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OIL AND GAS CHEMISTRY

Scope of delivery

- General design of a pharmaceutical substance manufacturing plant
- Development of design and working documentation
- Complete supply of process equipment:
  - — solvent rectification units
  - — solvent storage warehouse
  - — Peptide solution vacuum evaporation unit
- Development of automated process control systems
- Installation work
- Commissioning work
- Staff training

Rectification plant and vacuum evaporation plant
Geropharm LLC

2017

Leningrad region

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Projects

woodworking chemicals

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RESINS

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Scope of delivery

- Basic engineering
- Detailed engineering
- Installation supervision
- Commissioning



Formaldehyde, resins and polynaphthalene sulfonate production Plant

Suez Methanol Derivatives,
Egyptian Maintenance Company

Implementation



Egypt

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Resin production Units

Shattdekor LLC

2017

2021

Scope of delivery

- Development of design and working documentation
- Complete supply of process equipment:

— resin production unit
— raw material and reagent storage warehouse
— finished product storage warehouse

- Development of automated process control systems
- Installation supervision
- Commissioning
- Personal training

Moscow region

Tyumen region

Open 3D video

Open reference 2021

Open reference 2017

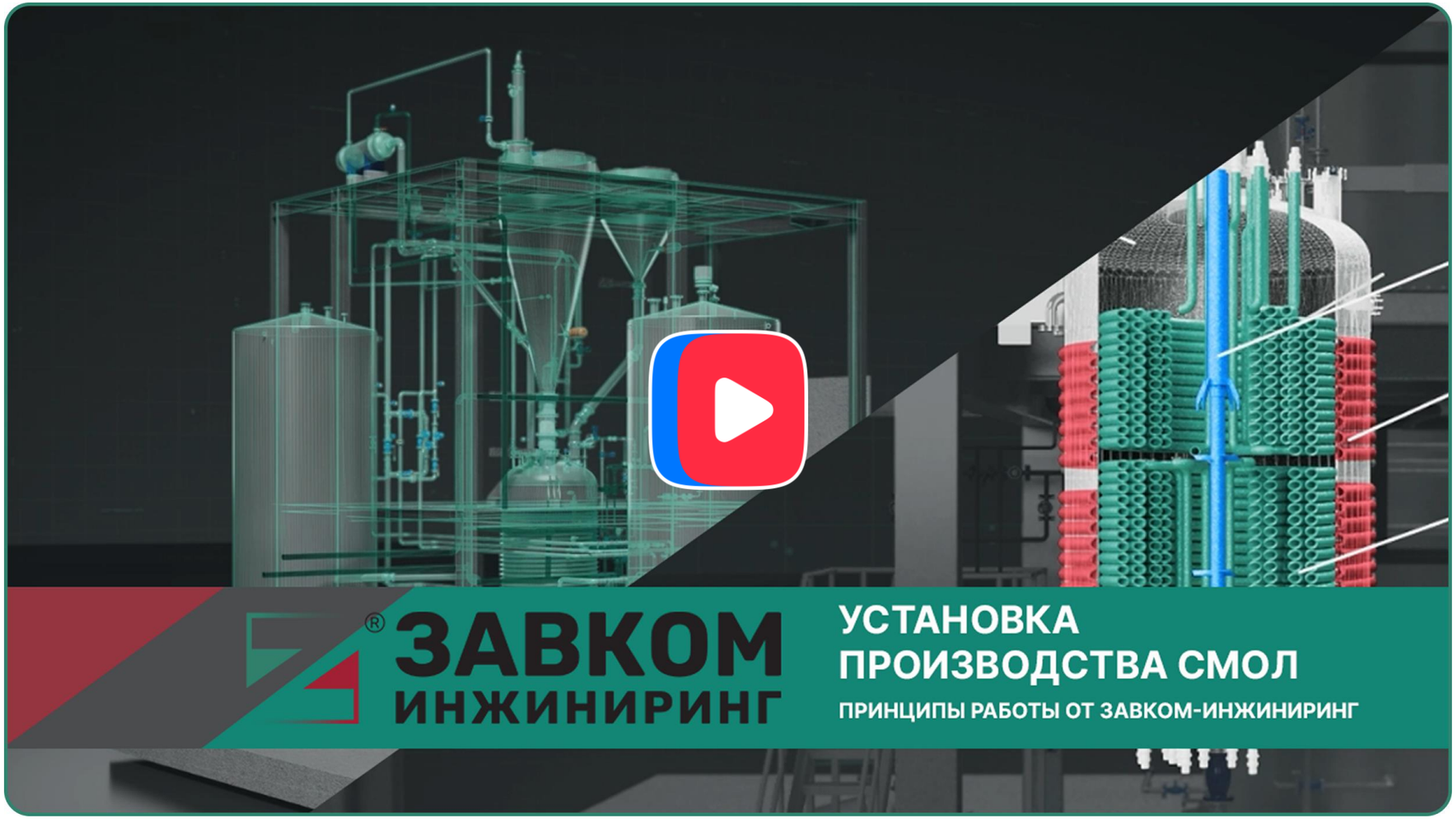
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Scope of delivery

- Process Design
- Complete supply of technological equipment
- Development of automated process control systems
- Installation supervision
- Commissioning

Learn more about the project

The unit was implemented within the framework of the project "Construction of a plywood production facility and a thermal power plant using wood raw materials". At the final stage, the company's specialists also provided technical support for the work of: the glue kitchen in terms of completing installation work; on piping water pipelines; on piping urea glue supply pipelines to the presses; on installing shut-off and control valves; on connecting valves; on piping the refrigeration machine; on installing fans.

Adhesive Compositions Production Unit
Synergy LLC

2024

Sverdlovsk region

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Projects
catalytic synthesis

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FORMALIN AND UFC

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Projects

woodworking chemicals

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Formaldehyde and UFC production units

Confidential Client

2024

Scope of delivery

- Development of design documentation
- Development of working documentation
- Manufacturing and assembly of main process equipment
- Development of automated process control systems
- Installation supervision
- Commissioning

Learn more about the project

Production at the plant is organized as a continuous technological process. The main advantage is the ability to produce both formalin and UFC-85 of various grades on one process line, spending a minimum amount of time to switch from one aqueous solution to another.

Tula region

Open 3D video

Open reference

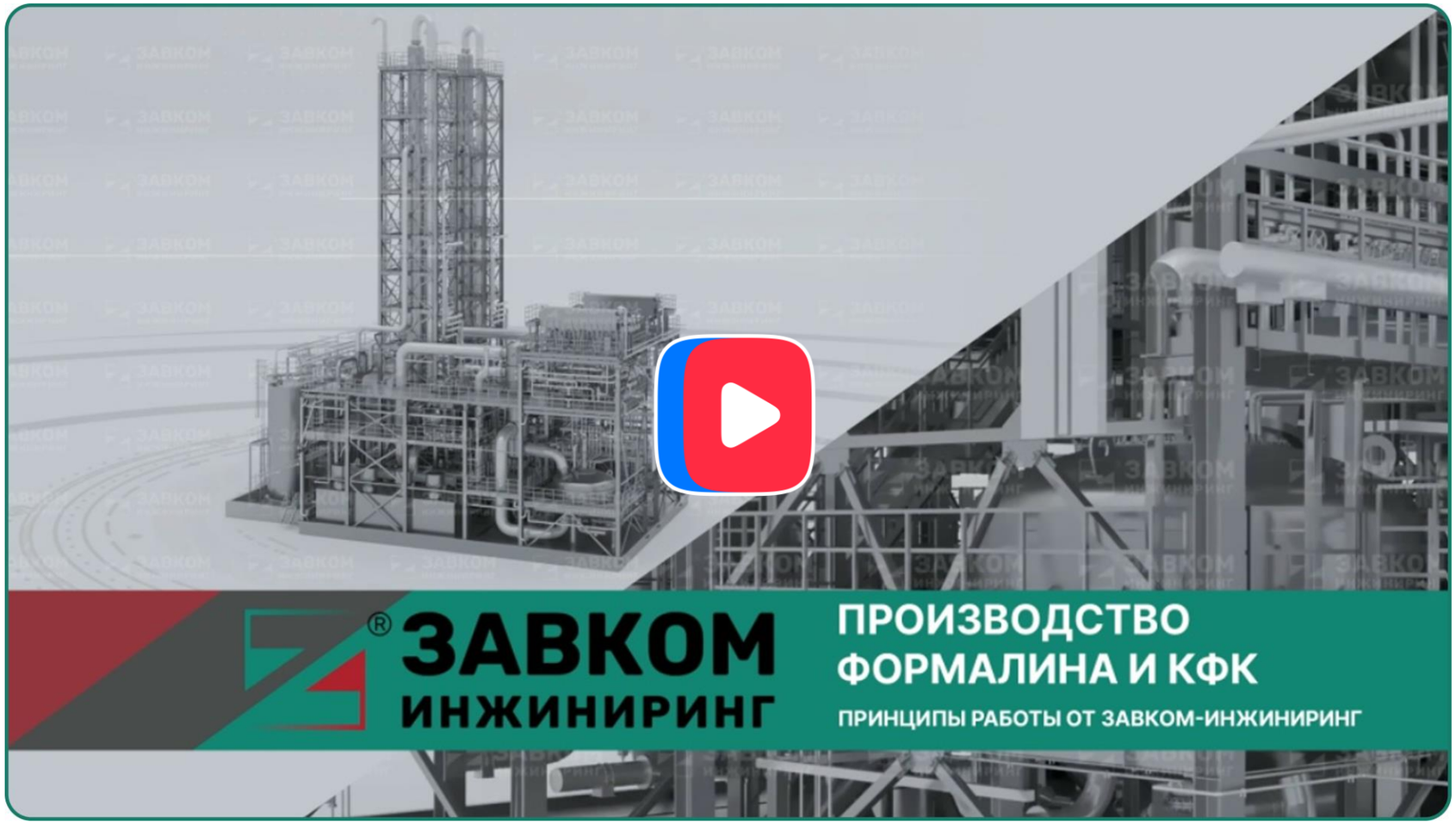
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Projects

release of finished bulk products

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OIL AND GAS CHEMISTRY

CRYSTALLIZATION AND FLAKING

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Projects

release of finished bulk products

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Scope of delivery

- Development of working design documentation
- Manufacturing and complete supply of equipment
- Development of automated process control systems
- Installation supervision
- Commissioning

Caprolactam crystallization plant 60000 t/y

JSC Shchekinoazot

2020

Tula region

Open reference



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Projects

Purification and regeneration

ZAVKOM ENGINEERING

OIL AND GAS CHEMISTRY

PURIFICATION OF NAPHTHALENE, BENZENE

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Projects

purification and regeneration

content

ZAVKOM ENGINEERING
OIL AND GAS CHEMISTRY



Naphthalene production plant

JSC MMK

2018

Scope of delivery

- Development of technology for obtaining naphthalene from naphthalene-containing fraction
- Development of design and working documentation
- Complete supply of process equipment:

— naphthalene rectification unit
— raw material storage warehouse
— finished product storage warehouse
— naphthalene flake production unit

- Development of automated process control systems
- Installation supervision, commissioning works
- Personal training

Learn more about the project

The unit enables the production of commercial naphthalene in liquid and solid form with a concentration of at least 97.5%. Emissions into the atmosphere are excluded. Increases production volumes (up to +15,000 t/year).

Chelyabinsk region

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Projects

aniline production plants

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OIL AND GAS CHEMISTRY

ANILINE

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Projects

aniline production

content

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OIL AND GAS CHEMISTRY

Production of aniline and N-methylaniline

Scope of delivery

- Development of design documentation
- Development of working documentation
- Manufacturing and assembly of main process equipment
- Development of automated process control systems
- Installation supervision
- Commissioning

Learn more about the project

Aniline is one of the most important amines. It is used in the production of dyes, medicines, resins, as rubber vulcanization accelerators, and as a black dye in itself. Its derivative, methyl orange, is used as an indicator for acid-base titration.

We provide a full range of engineering services for the implementation of equipment and installations for the production of aniline.

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BIOTECHNOLOGY

Biotechnology Department Projects

Deep processing plants for wheat
Deep processing plants for peas
Pilot installations
Citric acid production plants
Boiling house (brewery)
Beer fermentation departments
Distilleries
Microbial protein production plants from natural gas

content

All projects

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Aspects

content

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BIOTECHNOLOGY

DEEP PROCESSING

- Wheat
- Corn
- Peas

MICROBIAL PROTEIN PRODUCTION FROM NATURAL GAS

PRODUCTION OF AMINO ACIDS AND ORGANIC ACIDS

FEED YEAST PRODUCTION

ENZYME PRODUCTION

BREWERIES

- Boilhouse (brewery)
- Pure yeast culture departments
- Fermentation departments
- CCT departments
- SIP washing stations
- Refrigeration and compressor shop tanks
- Pure yeast culture departments
- Fermentation departments
- Forfas department
- CO_2 collection and storage tanks

DISTILLERS

ALCOHOL PRODUCTION

PROCESSING OF POST-ALCHOLIC DISTILLERY

DRYING UNITS

EVAPORATION UNITS

WATER TREATMENT SYSTEMS

All aspects

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Projects

concentration technologies, wastewater treatment

content

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BIOTECHNOLOGY







Mine water treatment plant

JSC SUEK-Kuzbass

Implementation

It is being implemented for the V.D. Yalevsky mine (SUEK-Kuzbass JSC)

Scope of delivery

- Process design
- Development of working design documentation
- Manufacturing and complete supply of equipment
- Installation supervision and commissioning
- Training of the customer's process personnel

More about the project

The treatment facilities we supply contribute to improving the environmental situation in the Kemerovo region and are the first project in Russia to adapt German mine water treatment technologies.

Kemerovo Oblast

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more details about the delivery progress

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Projects

deep processing of wheat, corn, peas

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WHEAT DEEP PROCESSING

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Projects

wheat deep processing

content

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BIOTECHNOLOGY

Wheat Deep Processing Plant

wheat gluten | ethyl alcohol food | lysine sulfate | feed additives DDGS

JSC AminoSib

2017

Scope of delivery

- Project documentation
- Passing expertise
- Complete supply of process equipment
- Installation works
- Development of automated process control systems
- Commissioning works
- Personal training
- Warranty and post-warranty service

Tyumen region

Video

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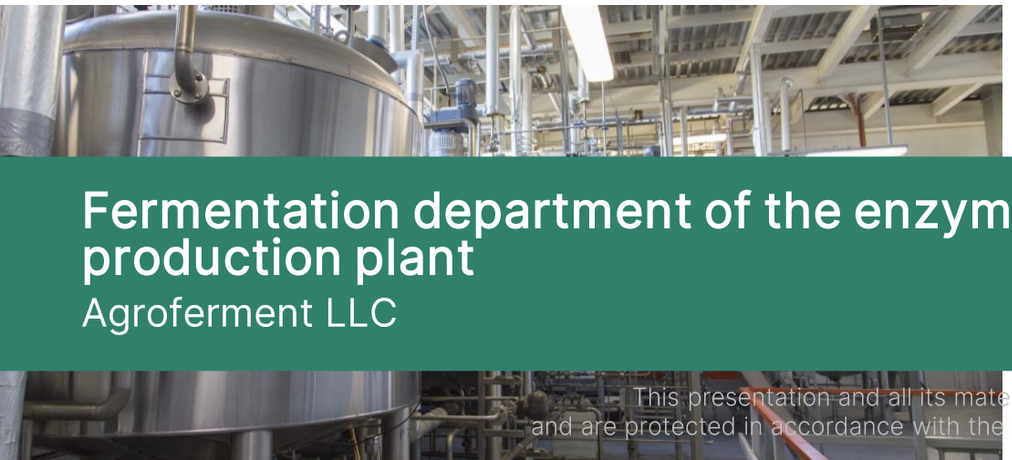
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Projects

deep processing of wheat

content

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BIOTECHNOLOGY

Scope of delivery

- General design
- Complete supply of process equipment
- Installation work
- Commissioning
- Staff training
- Commissioning

Fermentation department of the enzyme production plant

Agroferment LLC

2014

Tambov region

Video

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Projects

wheat deep processing

content

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BIOTECHNOLOGY



Wheat Deep Processing Plant

- wheat gluten
- lysine monohydrochloride
- lysine sulfate
- biodegradable plastic
- lactic acid
- feed additives

JSC Sibagro

2022

Scope of delivery

- Basic engineering

Krasnoyarsk region

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Projects

deep processing of wheat, corn, and peas

ZAVKOM ENGINEERING
BIOTECHNOLOGY

PEAS DEEP PROCESSING

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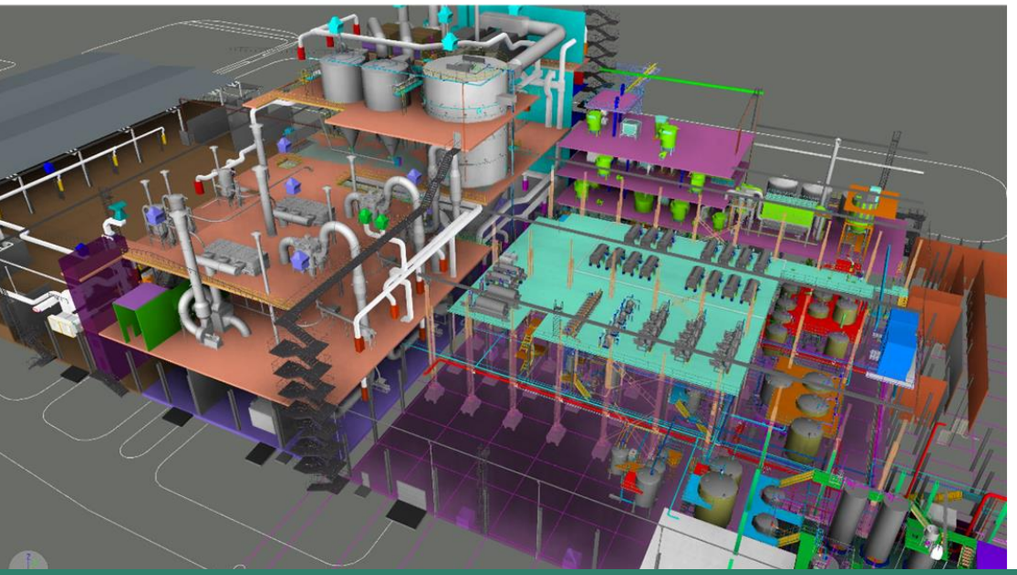
Projects

peas deep processing

content

Scope of delivery

- Pre-project development
- Project documentation
- Passing the examination
- Delivery and installation of equipment
- Development of automated process control systems
- Commissioning works
- Personal training



Peas deep processing plant

pea starch | pea protein isolate | fibers

Confidential Client

Implementation

Tyumen region





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BIOTECHNOLOGY

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Projects

peas deep processing

content

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BIOTECHNOLOGY

Scope of delivery

- Project documentation
- Complete supply of process equipment
- Development of automated process control systems
- Installation works
- Commissioning works
- Personal training
- Warranty and post-warranty service

Pilot plant for pea processing

pea protein isolate | fibers

JSC "Uralkhim"

2021

Moscow region

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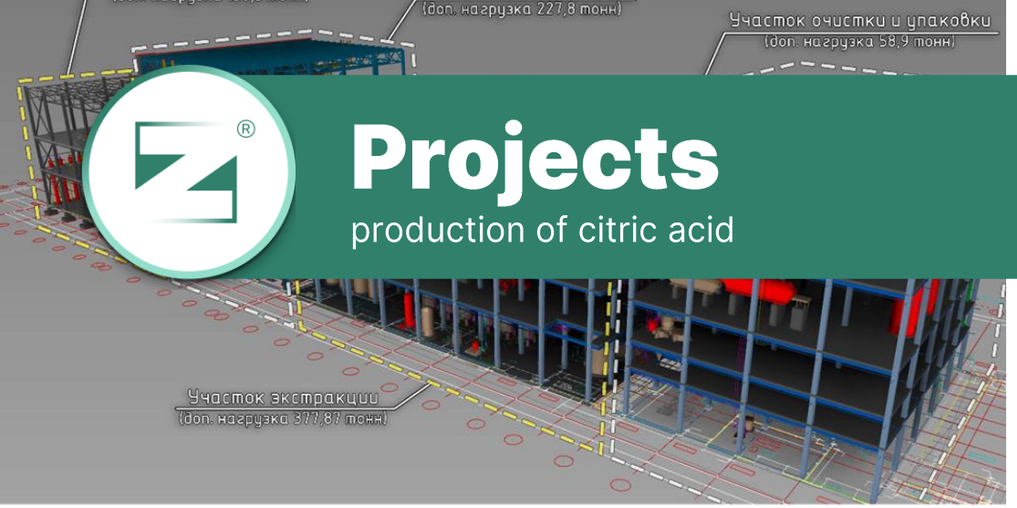
Projects
citric acid production

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BIOTECHNOLOGY

AMINO ACIDS, ORGANIC ACIDS

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Projects

production of citric acid

content

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BIOTECHNOLOGY



Scope of delivery

- Design and working documentation
- Passing expertise
- Assembly of fermenter tanks V_{geom}=475 m^3 in the design position
- Installation works

Citric acid production plant

citric acid | feed additives

ORGANIC ACIDS LLC

Implementation

Tula region

Installation process photos

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Projects

brewhouses, beer fermentation departments

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BREWERIES

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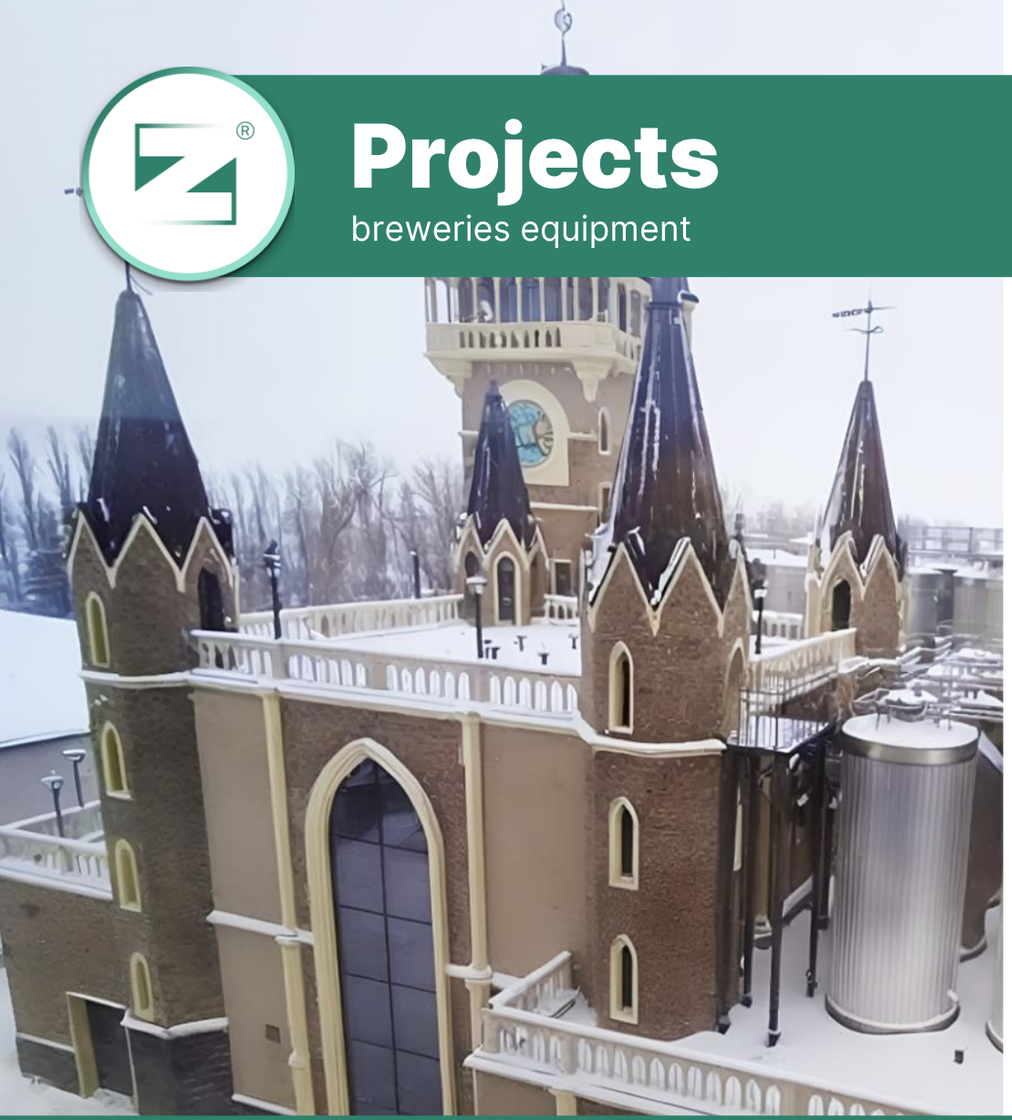
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Projects

breweries equipment

content

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Boiling house (brewery)

LLC "Brewery Ryugen"

Implementation

Scope of delivery

- Equipment supply
- Development of automated process control systems
- Commissioning works



Voronezh region

Video

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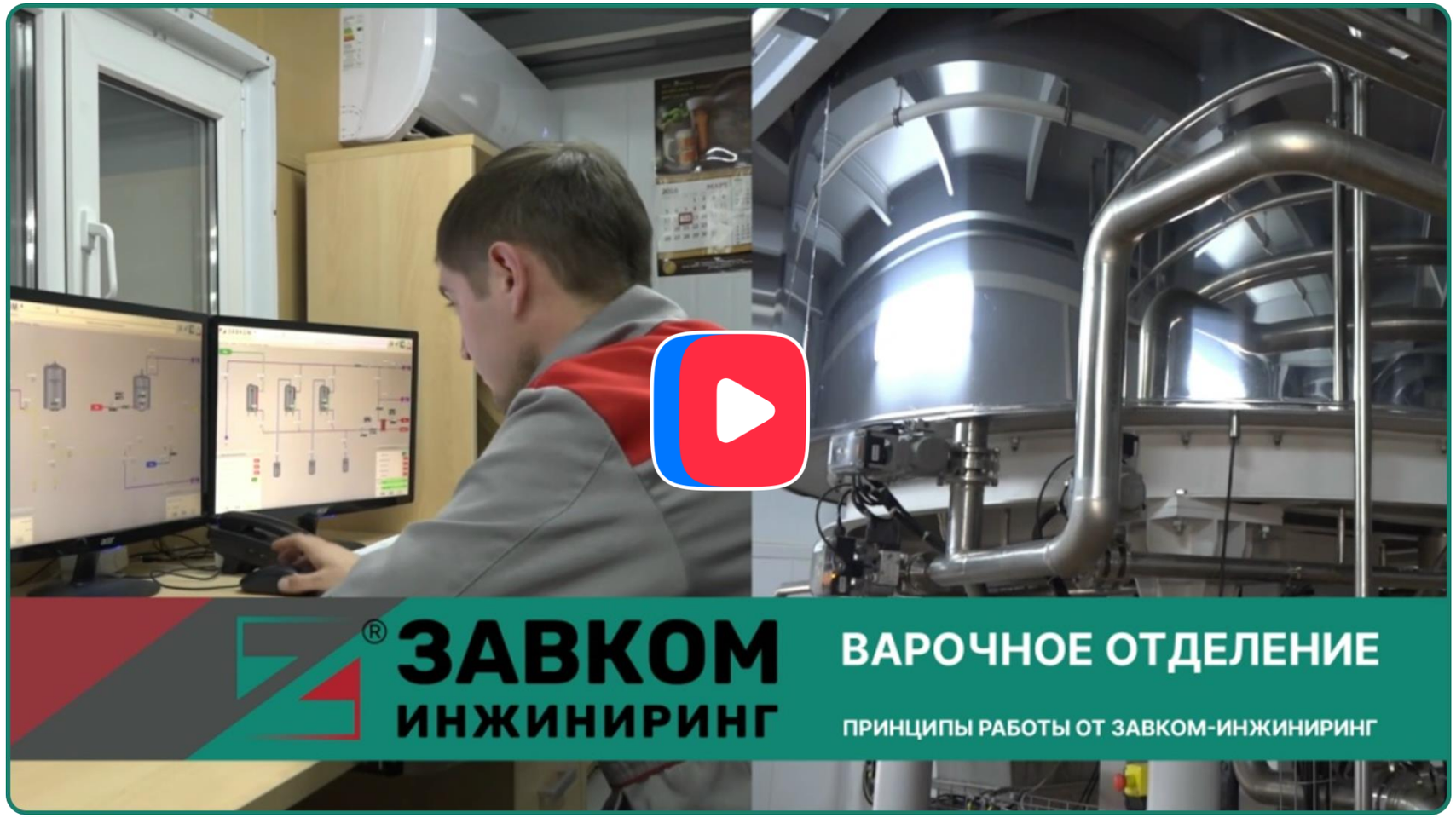
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Video

more about the operating principles

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Projects

breweries equipment

content

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BIOTECHNOLOGY



Beer fermentation department

JSC "Moscow Brewing Company"

2016

Scope of delivery

- Supply of process equipment
- Development of automated process control systems
- Process design
- Installation supervision
- Commissioning

Moscow region

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Projects

breweries equipment

content

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BIOTECHNOLOGY



Beer fermentation department

OJSC "Morshansky Brewery"

2016

Scope of delivery

- Supply of process equipment
- Development of automated process control systems
- Process design
- Installation supervision
- Commissioning

Tambov region

Photo

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Projects

equipment for the alcoholic beverages production

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DISTILLERIES

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Projects

distilleries

content

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Distillery

JSC "Uzbekistan Premium"

2020



Scope of delivery

- Technological design
- Complete supply of technological equipment
- Development of automated process control systems
- Installation works
- Commissioning works

Tashkent

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Projects

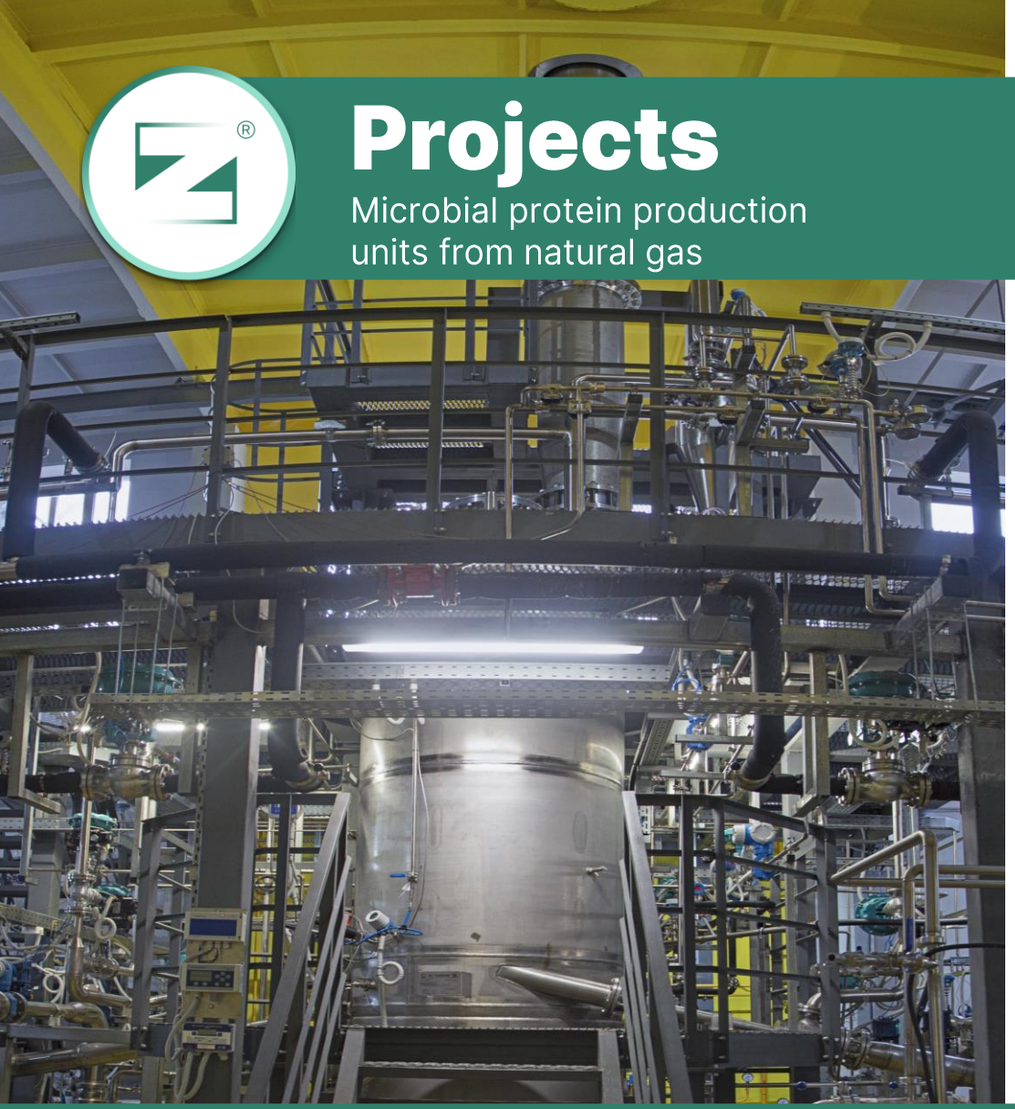
Microbial protein production units from natural gas

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BIOTECHNOLOGY

MICROBIAL PROTEIN

content

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Projects

Microbial protein production units from natural gas

content

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Scope of delivery

- Development of working design documentation
- Complete supply of process equipment
- Development of automated process control systems
- Installation works
- Commissioning works
- Personal training

Microbial protein production units from natural gas

GIPROBIOSYNTHESIS LLC

Implementation

Moscow region

Customer's video feedback

Open reference

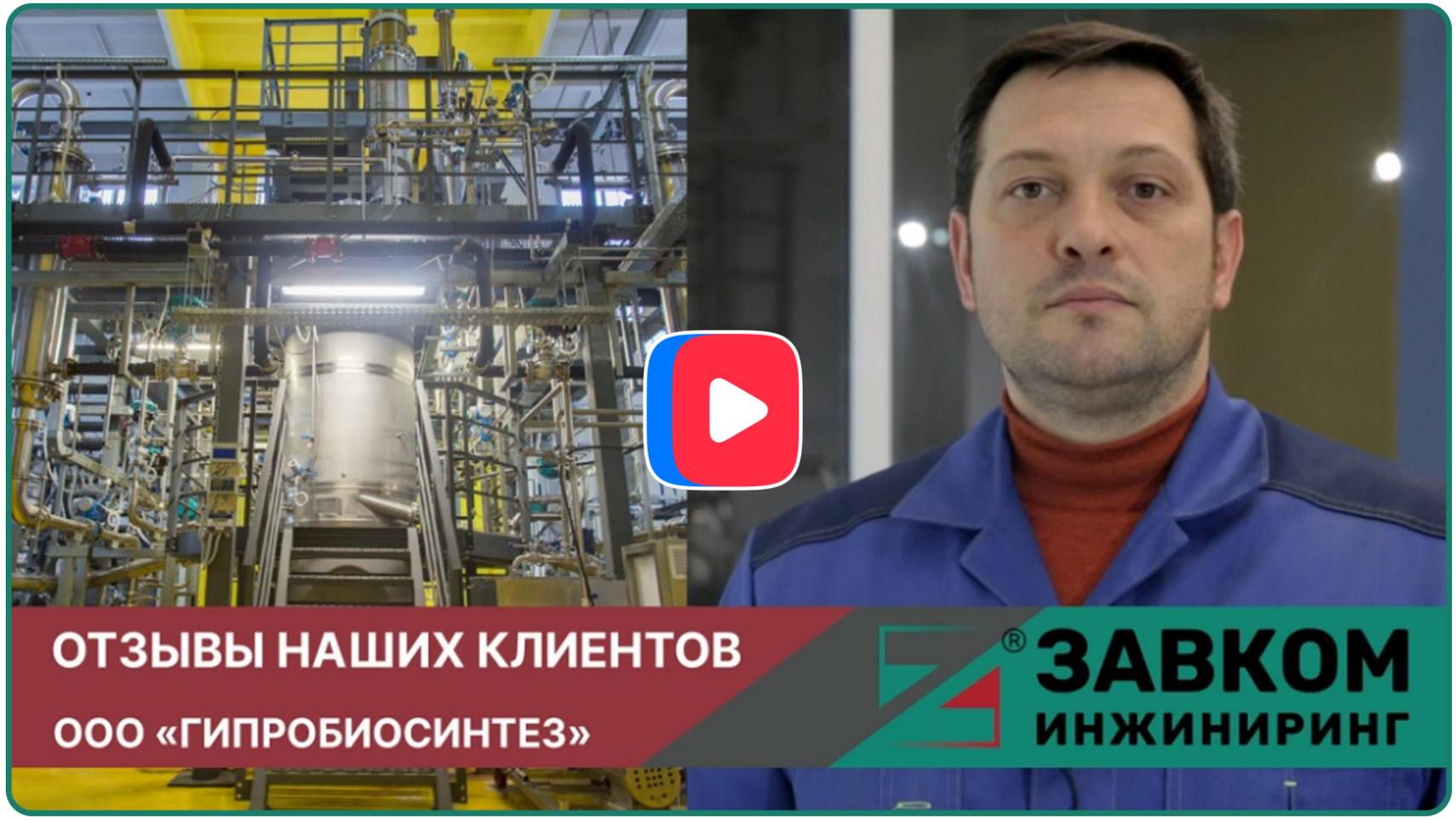
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Video

reviews from our clients

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BIOTECHNOLOGY | OIL AND GAS CHEMISTRY

Final part

Content

Geography of projects

Our partners

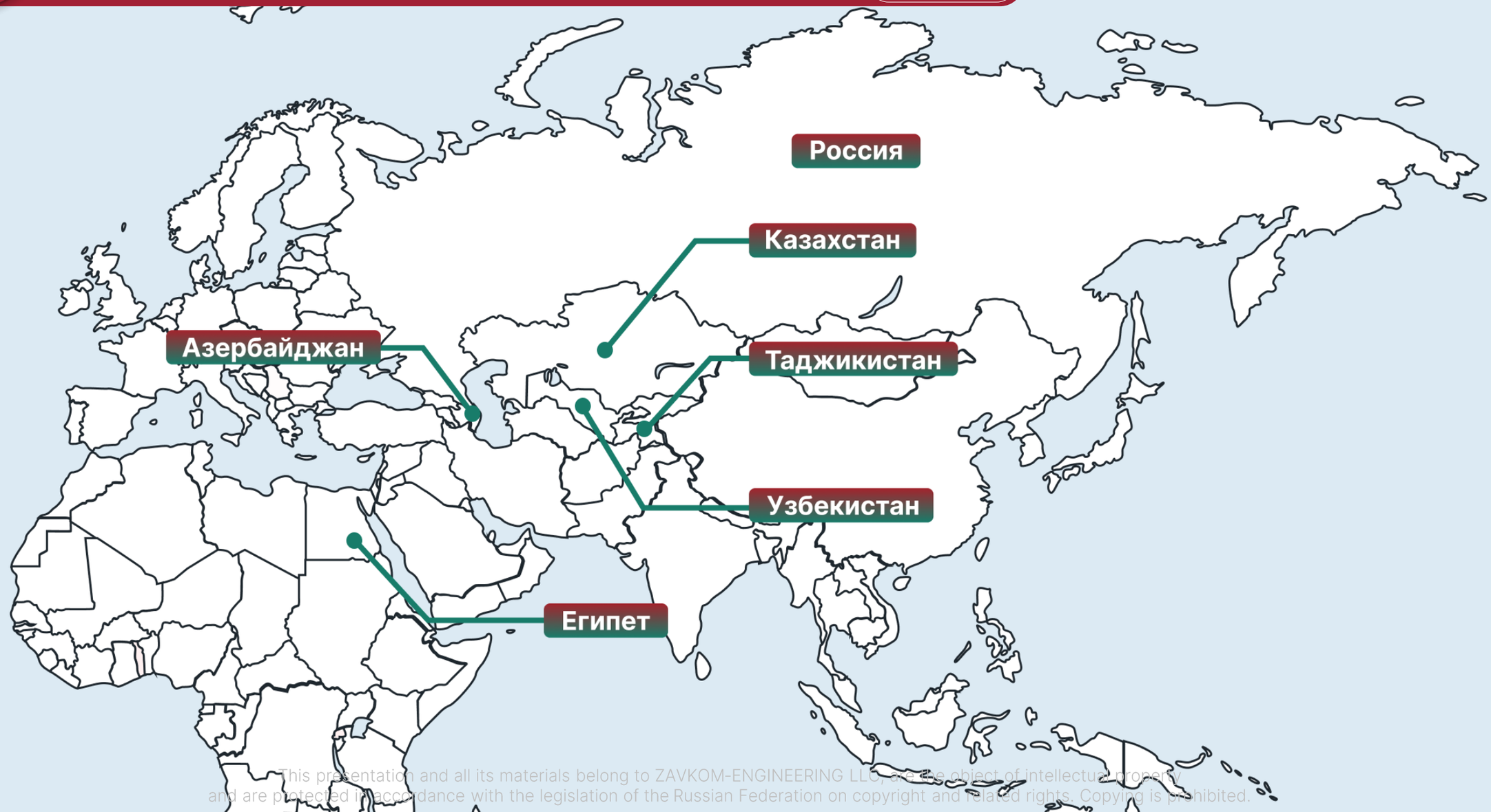
Company business card

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Projects geography

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АО «Газпромнефть ОНПЗ»
ООО «Газпром ВНИИГАЗ»
ПАО «Татнефть»
ПАО «Сибур Холдинг»
АО «Аминосиб»
ПАО «Транснефть»
ООО «ОРГАНИЧЕСКИЕ КИСЛОТЫ»
АО «Сибагро»
АО «СУЭК-Кузбасс»
ООО «ВЗК»
АО «ОХК УРАЛХИМ»
ООО «ПЛАНТ_СПЭЙС»
ООО «PREMIUM UZBEKISTAN»
АО «Воронежсинтезкаучук»
ООО «Технокорд»
ПАО «ММК»
ООО «Герофарм»
ООО «ЯРко Групп»
ЗАО «Московская пивоваренная компания»
ООО «Шаттдекор»
ООО «Агрофермент»
АО «Татспиртпром»
АО «Алвиз»
ООО «САМСОН-МЕД»
ООО «НОВАТЭК – Усть-Луга»
ООО «ГИПРОБИОСИНТЕЗ»
Госкорпорация «Росатом»
ООО «АСП АКВА»
ООО «ЭИТЭК»
ООО «ЗапСибНефтехим»
АО «Гамбринус»
Spirt Bal Buram LLC
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ООО «Технотекс»
ООО «Титан-Агро»
ООО «Донские Биотехнологии»
Egyptian Maintenance Company
ООО «М Синтез»
ООО «РусГазШельф»
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ООО «Синергия»
ООО «Метадинеа»
ООО «СЗСП»
ОЭЗ «Узловая»
ООО «Старая крепость»
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ООО «Живая классика»
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ООО «Частная пивоварня "Афанасий"»
ООО «Браво-Премиум»
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ООО «Василеостровская пивоварня»
СП ООО «AFSAR COMPANY LTD»
ООО «Златоустский сахарный комбинат»
АО «Знаменский сахарный завод»
ООО ПИВОВАРНЯ «ХАНСЕН»
АО «Ольховатский сахарный комбинат»
ПАО «Пигмент»
ЗАО «Архангельский фанерный завод»
ООО «ИФОТОП»
ООО «ЭТБ КАТ»
ЗАО «Завод Премиксов №1»
ООО «Перелешинский сахарный комбинат»
АО «ПДК "Апшеронск"»
ОАО «Жигулевский пивоваренный завод»
АО «Елецкий сахзавод»
ООО «Первая Ставропольская Агроперерабатывающая Корпорация»
ООО «КОРПОРАЦИЯ АЗЕРИ»
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BIOTECHNOLOGY | OIL AND GAS CHEMISTRY

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Portfolio of projects

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