







Since 2003 the personnel of JSC RusGazManagement have been providing services in the area of EPC/EPCM project implementation, development of oil and gas production, oil and gas processing and petrochemical facilities as well as other projects in the fuel and energy complex, including water treatment facilities.

The company structure represents a unique association of enterprises which are able to perform a full range of works for implementation of EPC/EPCM contracts from design to commissioning, including comprehensive testing, training of the Client's operating staff, pilot operation and post guarantee maintenance. There are branches of the Company dedicated to all types of works.



Engineering

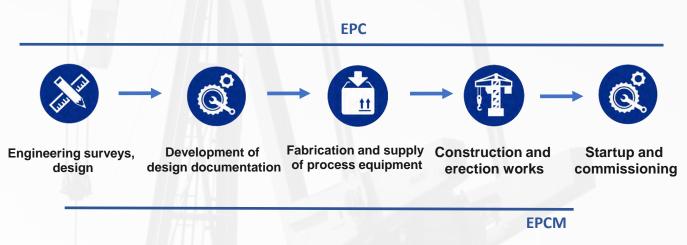






Joint stock company RusGazManagement is made up of dedicated branches, each branch performing a specific type of works comprising a full range of services for EPC/M projects.

STAGES OF EPC AND EPCM-PROJECTS



The business divisions are able to implement projects on a turnkey basis using their own resources (EPC/M-contracts):

Business divisionBusiness divisionBusiness divisionBusiness divisionEngineeringProductionPCS - Commissioning

Business division Construction



RG EngProject LLC

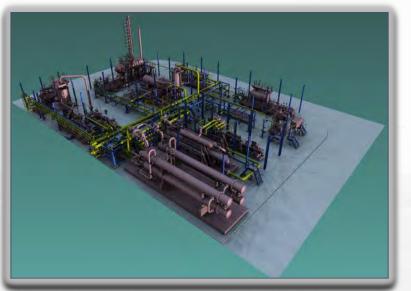
- Performing the functions of general designer
- Package of works for the design of oil and gas facilities
- Comprehensive engineering surveys
- Obtaining all necessary approvals and passing examinations, including those by Glavgosexpertiza and Rostechnadzor
- Development of detail documentation for construction
- Design supervision over construction work
- Provision of services for non-state review of design and estimate documentation













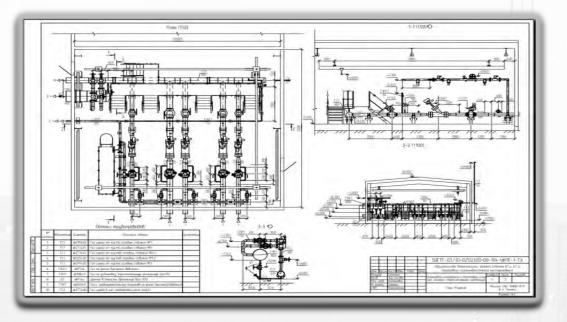


ding LLC

RG EngProject LLC

Special design department RG EngProject LLC designs a wide range of equipment for the development of oil and gas fields (units and modules). The equipment is designed both for the development of new fields and for the upgrade of existing ones.

Design of process equipment



- Heat exchangers
- Furnaces and heaters
- Regeneration units
- Vessel equipment
- Separation equipment
- Column equipment
- Valve assemblies

Full information for this business division is provided in the presentation for RusGazProject BD







Production

NPO Penzaneftemash

- Production of process equipment
- Retrofit and repair of process equipment
- Package of works for PSC creation
- Design and survey works
- Development of application software and design documentation
- Procurement of equipment for automation and energy systems
- Supply of equipment to siteobekt
- Erection supervision and commissioning works

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- Service maintenance of control systems
 - Full information for this business division is provided in the presentation for Production Business



Automation

RG ASU Naladka LLC

- Automated process control systems
- Automatic fire fighting and gas detection systems (AFF&GDS)
- Automatic fire fighting and fire alarm systems (AFF&FAS)
- Automated power supply control systems (APSCS)
- Telemechanics systems (TMS)
- Low-voltage switchgears (LVSG)
- Power supply equipment (PTS, ISG, substations)
- Heat and power generation equipment (mini CHP, GTTPP, GRPP)
- Metering stations of gas and liquid carbons flows (GQMS, OQMS, AGCMS)
- Gas metering stations (GMS)

The personnel of BD ASU-PNR have long-time practical experience of working with hardware and software of the largest companies and manufacturers of automation equipment: Siemens, Schneider Electric, Emerson, Rockwell Automation, Beckhoff, Control Microsystems, Rittal, Phoenix Contact.

> Full information for this business division is provided in the presentation for BD ASU-PNR





Construction

Construction





- Package of construction and erection works
- Development of oil and gas fields, construction of collection, treatment an processing facilities
- Construction and major overhaul of oil and gas main transportation systems
- Construction of consumer networks of pipelines, comprehensive gasification
- Construction and maintenance of motor roads

Full information for this business division is provided in the presentation for BD Kapstroy



Project Geography (14) УСОК Тарасовского м/р ОАО «НК Роснефть» (5) ГКС Северо-Губкинского м/р ОАО «Лукойл» (16) ГТЭС Ватьеганского м/р ОАО «Ликойл» 😥 Реконструкция Локосовского ГПЗ, система сбора и транспортировки ПНГ с 4-х ГКС на ГПЗ ОАО «Лукойл» (18) УПГиК Ванкорского м/р ОАО «НК Роснефть» (19) Обустройство Юрубчено-Тохомского м/м ОАО «НК Роснефть» RUSSIA 20 УКПГ Братского газоконденсатного м SWEDEN OAO «HFK «Итера» FINLAND ЭОГ КС 7/1 и КС 7/2 Федоровского кого 22 ОАО «Сургутнефтегаз» 21 (2) Обустройство Верхнечонского м/р ОАО «Верхнечонскнефтегаз» TONIA 20 Ороектирование и поставка оборудован LATVIA для Комсомольского НПЗ THUANIA 28 ОАО «НК Роснефть» BELARUS Обустройство газоконденсатных м/р POLAND Гумбулак и Джаркудук-Янги Кизилча «ЛУКОЙЛ Оверсиз Холдинг Лтд.» UKRAINE MONGOLIA KAZAKHSTAN 65 ВПУ котельной «Центральная» (Аст MOLDOVA ОАО «Ликойл» 26 УОГ, ВПУ «Ставролен». ЭКПГ, УДИС Пякяхинского м/р UZBERISTAN ОАО «Лукойл» ОАО «Лукойл» (27) УПГ «Газелан» (2) ГКС месторождений Большехетской впадины ОАО «НК Роснефть» TURKMENISTAN ОАО «Ликойл» TURKEY (28) АСУЭ 8-ми ЛПУ Самаратрансгаз (3) УКПГ, ГИС и ДКС Находкинского м/р ОАО «Газпром» ОАО «Ликойл» (29) Ηοθοκιμάδωωεθεκυά 3ΜΠ (4) ЧКПГ Берегового м/р VIGERIA CENTRAL ОАО «НК Роснефть» ОАО «Геотрансгаз» AFRICAN 30 КС «Фролово» Волготрансгаз REPUBLIC (5) УПГ и УНТС Стерхового м/р CAMEROON РОСНЕФТЬ ОАО «Газпром» GROUPE ОАО «Новатэк» **FTF** GTG (3) ΥΠΓ3 Северо-Европейского газопровода (Выб) 6 Реконструкция Усинского ГПЗ ОАО «Газпром» ОАО «Ликойл» DEMOCRATIC 3 НСП «Романово» REPUBLIC Обустройство Сысконсыньинского м/р OF THE CONGO ОАО «Лукойл» ЗАО «Евротэк» (3) УПГ для ПХГ в г. Урице (Чехия) (8) УОГ Северо-Даниловской ГКС MND Gas Storage ОАО «Ликойл» MND ЕВРОТЭК 9 УОГ для КС-2 Приобского м/р новатэк (34) Разработка ПД и подключение скважин для Gas Storage ANGOLA ЦПС газа Загорская Весь (Словакия) ОАО «НК Роснефть» Energy From Matters NAFTA a.s. 1-й и 2-й пусковой комплекс УПГ Приобского м/р (35) Комплекс гидрокрекинга тяжелой нефти, ОАО «НК Роснефть» первая фаза (Бургас, Болгария) (1) УОГ Северо-Покачевской ГКС Technip ОАО «Лукойл» ачимгаз 3 Нефтепродуктопровод Пуэрт Нуар — Браззавиль — (12) ГТЭС Тевлино- Русскинского м/р Малико-Трешо — Ойо — Уэссо, Респиблика Конго ОАО «Ликойл» Национальная нефтяная компания Конго Проектирование и поставка оборудования для Ач ОАО «НК Роснефть»

Occupational Health and Safety





The integral part of JSC RusGazManagement activities is the maintenance and compliance with occupation health, industrial safety and environmental protection requirements .

All operations of the company are performed in accordance with the current Legislation of the Russian Federation and international standards ISO and OHSAS.

In 2011 HSE Management System was approved and introduced in the Company which is an integral part of the general management system of JSC RusGazManagement.

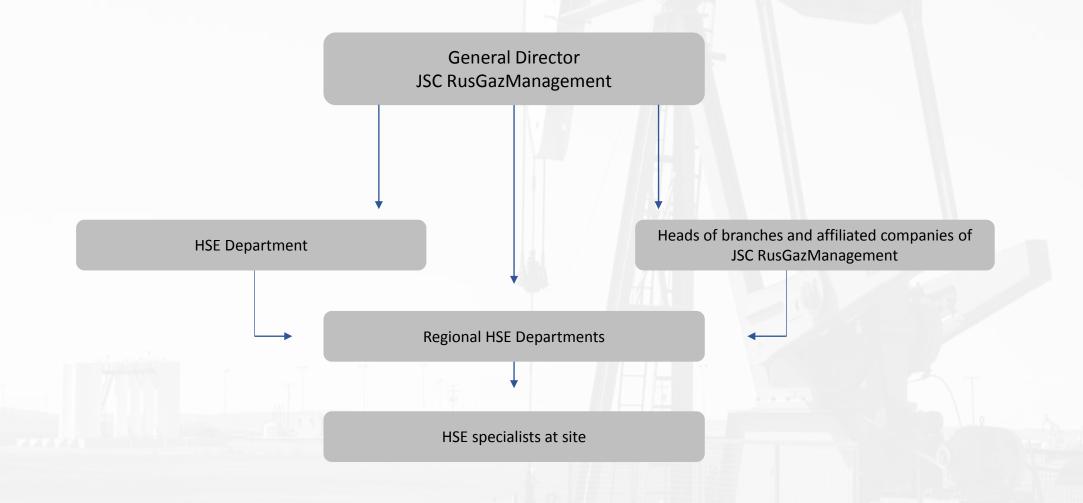






Occupational Health and Safety

HSE Management Structure





Membership in Self-Regulating Organizations

JSC RusGazManagement is in possession of a complete set of permission documentation for the implementation of EPC/EPCM-projects in the territory of Russia, the CIS countries and abroad.

The company is a member of the following organizations:

- Non-commercial partnership of Self-Regulating Organization Association of Survey Engineers making it possible to perform Survey works in an area planned for construction;
- Self-regulating company of Non-commercial partnership Design Companies of OJSC Rosneft making it possible to perform the design of capital structures, their reconstruction and upgrading.





JSC RusGazManagement is certified according to international standards GOST R ISO 9001-2015 (ISO 9001:2015), GOST R ISO 14001-2007 (ISO 14001:2004), GOST R 54934-2012 (OHSASA 18001:2007).

«Comprehensive design, engineering and functioning as a general designer for the design of buildings and structures of I and II levels of responsibility, scientific research and development;

performing the functions of general contractor, general customer, general construction customer, contractor, subcontractor for engineering and design supervision, integrated development of

- oil and gas facilities,
- oil, gas and condensate production, processing and transportation facilities,

for reconstruction and/or retrofitting, for industrial and environmental safety assessment, for upgrading and repair of process equipment, process plants, for the performance of works on automated process control systems (PCS), for construction of buildings and structures of II levels of responsibility».





Testimonials







Joint Stock Company RusGazManagement

Thank you!

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Attachment. Main projects





Pyakyakhinskoye field



Client: : Lukoil- West Siberia LLC

Construction facility:

- Field support base
- Shift camp
- Integrated gas treatment plant
- Condensate deethanization and stabilization plant
- Date of project implementation: 2013





Yarega field



Client: LUKOIL-Komi LLC

Facility: WTP-700. Yarega field. Water treatment plant with a capacity of 700 t/h. A plant based on GE process.

Duration of works: 2013 – December, 2016.

Work package:

- Development of design documentation for stage 1.
- Development of detail documentation for stage 1.
- Development of engineering documentation.
- Fabrication and supply of equipment.
- Erection supervision and commissioning works.
- Development of design documentation for stage 2.



Vankor field

Client: Vankorneft JSC **Facility**: Vankor field

Duration of works: April 2007 – 2017 Work package:

General design of gas section of Vankor oil field, fabrication, supply, erection supervision, engineering design, commissioning works, supply of modules to the construction site, commissioning of ACSP software and hardware, fabrication, supply, erection supervision, commissioning of gas treatment plant, training of the Customer's personnel on ACSP software and hardware for gas treatment plant.

Total cost of contracts (over 15): 7 billion rubles **Ц** Роснефть





Lokosovsky GPP

Client: LUKOIL-West Siberia LLC **Facility**: Lokosovsky gas processing plant

Project: reconstruction and capacity improvement of Lokosovsky GPP.

Work package:

- development, supply and commissioning of
- ACS for furnaces P-301/1
 - 2 associated gas treatment plants of Lokosovsky GPP, design, fabrication, supply, erection supervision, commissioning
 - Process equipment and PCS for gas dehydration plants of the following facilities:
- -Kogalymskaya GCS
- -Povkhovskaya GCS
- -CS at Severo-Danilovskoye field
- -CS at Severo-Pokachevskoye field.

Enhancement of capacity after reconstruction from 1 to 2 billion.



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ОТВАЯ В путет з чарта 2005, на назаја 2008, ОСО (1004) Ијананиранс, на чако 200 (Россија-Пурафијат на какона на начана) воектата работ на простраторитор 1007 (Програмски у наја самет у пакона) и простраторитор 1007 (Програмски у простита у програмски нача, програмски полого нарадита Програмски простита у програмски нача, програмски полого нарадита и програмски

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During the construction of Tarasovskoye condensate stabilization and treatment plant JSC RusGazManagement proved as a highly professional company, capable of efficiently solving problems for integrated development of oil and gas facilities in accordance with up-to-date requirements.

Tarasovskoye gas condensate field

РОСНЕФТЬ

Client: NK ROSNEFT JSC

Facility: condensate stabilization and treatment plant of
Tarasovskoye gas condensate field
Equipment: set of automated process equipment units,
PCS, vessel equipment, life support facilities and site

improvement

Work package:

design, fabrication, supply, construction, PCS works, comprehensive commissioning, turnkey construction **Capacity:** 1 million tons per year.



Troitskoye GTU





Client: RN-Krasnodarneftegaz LLC **Facility:** extension of Troitskaya GTU. Glycol dehydration unit, design, fabrication, supply, construction, PCS package, integrated commissioning, comprehensive turnkey construction **Capacity:** 1.5 billion m³/year.

Specialists of JSC RusGazManagement were able to complete the works on the Facility without additional cost for the Customer, bring the Facility to design operating conditions and commission the Facility, thereby performing the contract obligations in full.



Sterkhovoye field





Client: NOVATEK JSC Facility: Sterkhovoye field Equipment: integrated gas treatment plant, offsite facilities, mobile power plant, tube separators, low temperature separator, condensate deethanization plant Work package:

design, fabrication, supply of equipment, erection supervision, construction and erection works, commissioning.

Based on the customer's testimonial, immediate technical support was provided at all stages, quick response to changed requirements, flexibility and prompt problem solving were shown, which positively affected the quality and time schedule of works.







Nakhodkinskoye field



Client: LUKOIL-West Siberia LLC

Facility: Booster compressor station of Nakhodkinskaya field.

Project:

supply of balance-of-plant equipment and construction of Booster compressor station (BCS), with maximum capacity 25.67 million Sm³/day.

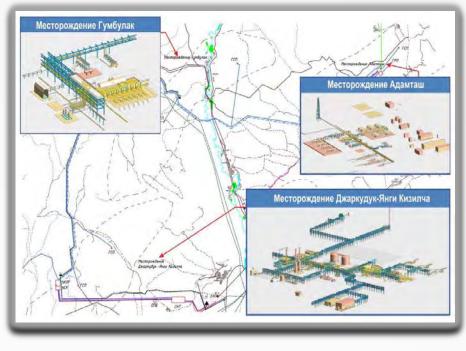
Equipment:

BCS process equipment (except for gas pumping unit).

Types of work:

- Fabrication and supply of equipment
- Construction and erection works
- Commissioning works







Gas condensate fields Adamtash, Gumbulak and Djarkuduk-Yangi Kizilcha, Republic of Uzbekistan



Client: LUKOIL Uzbekistan Operating Company LLC

Facility: development of gas condensate fields Adamtash, Gumbulak and Djarkuduk-Yangi Kizilcha in the Republic of Uzbekistan

Types of works: general design and engineering management, procurement, manufacture and supply of equipment, erection supervision and commissioning woks, training of the Customer's personnel Equipment: integrated and preliminary gas treatment plants, condensate stabilization plant, gas gathering networks

Capacity: 4.4 billion m³ of gas.





Underground gas storage, Uhrice



Client: MND Gas Storage

Facility: gas treatment plant for Underground gas storage, Uhrice, Czech Republic Types of work:

- Design of the facility
- Design/fabrication and supply of equipment, PCS, construction, erection and commissioning works

Equipment:

4

-

packaged process equipment

Capacity: 253 thous. m³/h.

Tuapse Grass Root Refinery

Client: Rosneft-Tuapse Refinery Ltd Work package:



ROSNEFT

- Detail Design
- Procurement equipment and materials
- Construction
- Pre-commissioning and Commissioning





Facility 1: Integrated Distillation Complex (Crude Desalting Unit, Crude and Vacuum Distillation Unit, Naphtha Distillation Unit, Gas Fractionation Unit)
Capacity: 12 million tn/yr. Duration: 2009-2012
Facility 2: gas turbine power station
Capacity: 240MW. Duration: 2009-2014
Facility 3: Integrated HydroRefining Complex
(Gasoil Hydro Desulfurization Unit, Vacuum Gasoil HydroCracking Unit)
Capacity: 8.3 million tn/yr. Duration: 2011-2016



Facility 1: Delayed Coking Unit
Capacity: 1million tn/yr. Duration: 2008-2012
Facility 2: Integrated HydroRefining Complex
(Gasoil Hydro Desulfurization Unit, Vacuum Gasoil HydroCracking Unit)
Capacity: 3.65 million tn/yr. Duration: 2011-present
Facility 3: Integrated Hydrogen Production Complex (Hydrogen Production, PSA Unit)
Duration: 2012-present

Komsomolsk Brown Root Refinery

Client: Rosneft-Komsomolsk Refinery Ltd Work package:

- Detail Design

ROSNEFT

- Procurement equipment and materials
- Construction
- Pre-commissioning and Commissioning



Kuibyshev Refinery

Client: Kuibyshev Refinery JSC Work package:

- ROSNEFT
- Procurement materials
- Construction
- Pre-commissioning

Facility: Integrated Creacking Complex
(Fluid Catalytic Creacking, Distillation Unit, Gas
Fractionation Unit, MTBE Unit)
Capacity: 1.15 million tn/yr.
Duration: 2011-2015







Achinsk Refinery



Client: Achinsk Refinery of EOC, JSC **Work package:**

- Procurement materials
- Construction
- Pre-commissioning
 Facility 1: Sulfur Production Unit
 Capacity: 0.19 million tn/yr.
 Duration: 2010-2013
 Facility 2: Naphtha Isomerization Unit
 Capacity: 0.4 million tn/yr.
 Duration: 2010-2013
 Facility 3: Vacuum Gasoil HydroCracking Unit
 Capacity: 2 million tn/yr.
 Duration: 2011-2017

BurGas Neftochim



Client: LUKOIL Burgas Neftochim JSC

Work package:

- FEED
- Detail Design

Facility: H-Oil HydroCracking Unit Capacity: 1.2 million tn/yr. Duration: 2011-2013



Petroleum product pipeline Pointe-Noire - Loutete -Malouko-Trechot, Republic of the Congo



Client: Societe National Petroleum du Congo Facilities:

- Petroleum product pipeline 500 km, DN 300
- 3 main storage and pumping terminals
 Capacity: 2.4 million cu.m/yr of petroleum products
 Work package:
- Basic and detail design
- Procurement, fabrication and supply of equipment
- Construction and equipment erection
- Pre-commissioning and staff training
- Commissioning and 2 years operation

Duration: 2014 - present

