Mission of the created structure is to concentrate the best resources with regard to their specialization in Customer Projects with centralization of accumulated experience in implementation of large-scale Projects in industry.

Strategy of Orgneftekhim-Holding Group of companies is to integrate resources which are separated at the moment and successfully operating in the Russian Federation in their businesses under a single coordination or centralized management, which will create a large-sized engineering and construction resource, capable of forming project structures that are optimized for implementation of Projects on modernization or construction of new refineries and other facilities of petrochemical complex in the whole chain of Project implementation - from development of concepts and financing arrangement to engineering, construction and commissioning.

Such an organizational construct will combine competent forces operating in industry that will allow for the entire structure as a whole to ensure maximum market competitiveness and minimum execution time of large-scale projects.
Affiliate and associated companies

- INKO-TEK
- Orgneftekhimproekt
- Tekhnologiya
- ServisTeleKom
- Kama-Avtomatika
- Insight
- Kama

Parent Company and Group Leader—Orgneftekhim-Holding

Companies and partners (strategic partnership agreements have been signed)

- NPF EITEK
- Salavatneftekhimremstroy
- Salavatneftemash
### SPECIALIZATION OF ORGNEFTEKHIM-HOLDING GROUP OF COMPANIES IN TERMS OF REFINERY CONSTRUCTION AND MODERNIZATION PROJECT IMPLEMENTATION STAGES

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<td><strong>9</strong></td>
<td>Technical and economic optimization</td>
<td>OOO INKO-TEK</td>
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• **Pre-project investigation** - analysis of current situation and conceptual selection of preliminary development options
• **Development of a feasibility study (FS)** - modeling options for Project development as a whole based on data of technology licensors, closing feedstock and product balance sheets, closing energy balances, preliminary comprehensive identification of emission and discharge sources, logistics calculation for feedstock supply and sales of products, research of feedstock and product market, calculation of economic indicators
• **Determination of feasibility** - conducting meteorological and hydrologic surveys, development of EIA (environmental impact assessment), holding of public hearings
• **Organization of financing structure** - identification of possible funding sources, optimization of Project phasing in terms of funding and economic returns of each phase, financial modeling based on data of basic design and feasibility studies, obtaining conclusions of legal, financial, industrial (technical) and marketing experts, work with banks and export credit agencies, preparation and maintenance of credit contracts

**KEY CUSTOMERS AND SITES:**

**ОАО Нижнекамск Недра**

**development of a feasibility study for:**

- CDU/VDU-7
- Visbreaker Unit
- Pre-project investigation– analysis of current situation and conceptual selection of preliminary development options
- Hydrogen Production Unit
- Diesel and kerosene Hydrotreatment Unit (Middle Distillates Hydrotreatment Unit)
- Elementary Sulphur Recovery Unit
- Unoxidized Road Bitumen Unit
- Jet fuels compounding, storage and shipment farm
- Low-viscosity marine fuel storage and shipment farm
TAIF-NK PSC
Pre-project investigation, development of a feasibility study:
♦ Vacuum Gas Oil Block (Catalytic Cracking Unit)
♦ Gas Condensate Processing Unit
♦ Liquified Gas Desulphurization Unit (Catalytic Cracking Unit) – Merox Process
♦ Gasoil high-octane components (MTBE, TAME) unit (gasoline high-octane components production)

OJSC TANECO
Pre-project investigation, preparation of the plant development scheme:
♦ Combined Hydrocracking Unit
♦ Combined Elementary Sulphur Recovery Unit
♦ Heavy Coker Gasoil Hydrotreating Unit

OAO Gazprom neftekhim Salavat
Pre-project investigation:
♦ CDU/VDU-6
♦ Refinery Catalytic Cracking Unit

OOO Tomskneftepererabotka
Preparation of master-plan for Refinery development
**OJSC Gazprom**

**pre-project investigation and development of detailed documentation:**
- for the 1-st train of telemetry system for gas metering units of Automated gas fiscal metering system for OOO Gazprom mezhregiongaz Vologda

**development of design and estimate documentation**
- for the 2-nd train of telemetry system for gas metering units, equipment supply, construction and installation works for OOO Gazprom mezhregiongaz Vologda

**development of sections:**
- “Power supply systems”
- “Heating, ventilation and air conditioning” at automatic process control system facilities of Gazprom Transgaz Ekaterinburg and OOO Gazprom Transgaz Yugorsk

**development of design documentation:**
- for modernization of OOO Gazprom Transgaz Moscow and OOO Gazprom Transgaz Nizhniy Novgorod data transmittal network
• Development of Technical Assignments
• Licensors selection
• Preparation of contracts for licensing and basic engineering with definition of need to allocate FEED stage
• Contracting, holding kick-off meeting with definition of design basis
• Basic Engineering stages acceptance

KEY CUSTOMERS AND TYPES OF WORKS:

OOO Afipskiy Refinery
Basic engineering:
♦ Design documentation for Combined vacuum distillation and visbreaker unit

TAIF-NK PSC
Basic engineering:
♦ Catalytic Cracking Unit
♦ Gas Condensate Processing Unit
♦ Gasoline high-octane components (MTBE, TAME) Unit (gasoline high-octane components production)
♦ Complex for production of motor fuels meeting international standards
♦ Loading and unloading railway rack
♦ Fuel-oil residue storage and shipment of workshop No.7

OJSC TANECO
Development of Technical Assignments:
♦ Hydroconversion Pilot Unit
♦ Heavy Coker Gasoil Hydrotreating Unit of Oil Refining and Petrochemical Plants Complex
Development of the electrical part of detailed documentation for hydrogen production (title 3100) with backup hydrogen storage:
♦ Combined Hydrocracking Unit
SPECIALISTS EXPERTISE OF ORGNEFTEKHIM GROUP OF COMPANIES

**OAO Nizhnekamskneftekhim**

- Fractionator of Divinyl & Hydrocarbon Feed Plant
- Polyether production plant
  *architectural and construction solutions:*
  - Ethylene oxide production plant

**OAO Gazprom neftekhim Salavat**

Revision of Basic design documentation:
- Refinery Catalytic Cracking Unit

**OOO Freudenberg Politex**

*Engineering of nonwoven fabric plant*

**OAO Orgkhim**

*architectural and construction solutions:*
- Extracts normalizing Unit

**OAO Metafraks**

- Railway vehicles maintenance building

**OAO Sayanskkhimplast**

*architectural and construction solutions:*
- Ethylene Direct Chlorination and Cycle Dichloroethane Unit

**OOO Lukoil-Nizhegorodnefteorgsintez**

- Water supply, water disposal and waste water treatment systems
OOO NZMP
Development of Electric Power Supply section:
◆ Isodewaxing Unit (IDW)

OJSC Gazprom
Engineering works for major overhaul:
◆ OOO Gazprom transgaz Ukhta

Development of Technical Assignment, design and design documentation in terms of interlevel integration and bumpless switching:
◆ Project: “Reconstruction of OOO Gazprom transgaz Ukhta plant supervisory control system”

Development of design documentation for gas-main pipeline Automatic Process Control System (APCS):
◆ In the area of OOO Gazprom transgas Stavropol in terms of industrial system of gas flow metering
◆ In the area of OOO Gazprom transgas Ekaterinburg» (1-st train)

Development of detailed engineering:
◆ APCS Integration of Sindor CS of SRTO –Torzhok in Sindor LPU MG (Line production Department of Main Pipelines) for “Gas-main pipeline SRTO –Torzhok. Sindor KS(Compressor station)” project

Pilot project development for linear production department and field control room APCS of regional gas companies

Detailed design development for APCS (Siemens-based) major overhaul of gasoline plant, including ESD system:
◆ Sosnogorsk Refinery for needs of OOO Gasprom Pererabotka

Detailed documentation sections development for Operational dispatch management system (ODMS):
◆ Backup control center, Amur LPU MG , Khabarovsk LPU MG , Primorsk LPU MG for LPU MG Bases, site of wrecking train of Amursk CS 4, base stations of Line Operations Groups (LOG) of De-Kastri CS 2 and Dalnerechensk KS 9 as part of investment project: Gas-main Pipeline Sakhalin-Khabarovsk-Vladivostok
• **Obtaining permit for construction** – design documentation stage development, obtaining any necessary technical specifications for connection, development of power, gas and water supply schematic diagrams, transportation solution working-out, execution of government expert review, industrial safety expert review, work with state bodies on obtaining permits for preparatory construction works and directly for construction

• **Organization of Detailed Engineering** – Technical Assignments setup, contracts development, selection of design institutes, site distribution and coordination of their activities, identification of project staging, analysis and acceptance of design documentation

**KEY CUSTOMERS AND TYPES OF WORKS:**

**OOO Afipskiy Refinery**  
*Organization of detailed engineering*  
♦ Combined vacuum distillation and visbreaker unit

**OOAO Nizhnekamsk Refinery**  
*Organization of detailed engineering*  
♦ Unoxidized Road Bitumen Unit

**TAIF-NK PSC**  
*Organization of detailed engineering*  
♦ Complex for production engine fuels meeting international standards Euro-4

**OJSC TANECO**  
*Detailed Engineering*  
♦ Heavy Coker Gasoil Hydrotreating Unit  
♦ Hydroconversion Unit
**Detailed Engineering**

- **OAO Gazprom neftekhim Salavat**
  *Detailed Engineering:*
  - CDU/VDU-6
  - Diesel Hydrotreating Unit
  - Sulphide-caustic wastes Treatment Unit of Monomer and Oil Refinery Plants, Off-site facilities of Catcracking Complex
  - Acrylic Acid Production Unit

- **OOO Tobolsk Polymer**
  *Development of design and estimate documentation for communications and alarm system for off-site facilities*

- **OJSC Gazprom**
  *development, creating and implementation of projects*
  - Automated Gas Fiscal Metering System (AGFMS):
    - Major overhaul of line telemechanics system for gas-pipelines-outlets of Gas Separation Station, maintenance of back-up supply system for OOO Gazprom transgaz Nizhny Novgorod
  - Electric power supply of main pipelines APCS in the area of OOO Gazprom transgaz Tomsk
  - Major overhaul of buildings, Emergency Response and Restoration Operations base and Pereslavl LPU of OOO Gazprom transgaz Ukhta
• Equipment procurement arrangement - development of tender documentation and holding tenders for procurement, arrangement of procurement process
• Arrangement of equipment manufacturing supervision
• Arrangement of equipment logistics
• Arrangement of equipment incoming acceptance
• Arrangement of equipment completing and release

KEY CUSTOMERS AND SITES:

OAO Nizhnekamsk Refinery
♦ CDU/VDU-7
♦ Kerosene cut Hydrotreatment Unit
♦ Visbreaker Unit
♦ Middle Distillates Hydrotreatment Complex
♦ Unoxidized Road Bitumen Unit

TAIF-NK PSC
♦ CDU/VDU-7
♦ Catalytic Cracking Unit
♦ Gas Condensate Processing Unit
♦ Gasoline high-octane components production
♦ Kerosene cut Hydrotreatment Unit
♦ Visbreaker Unit
♦ Middle Distillates Hydrotreatment Complex
♦ Unoxidized Road Bitumen Unit
• Selection, distribution to areas and coordination of commissioning contractors
• Building the system of interconnected control of commissioning works
• Acceptance of performed works and required as-built documentation
• Development of passports, holding separate tests

KEY CUSTOMERS AND SITES:

**OAO Nizhnekamsk Refinery**
*Construction and commissioning:*
- Unoxidized Road Bitumen Unit
- Oxidized Road Bitumen Unit
- Kerosene Cut Hydrotreating Unit
- Gas Oil Hydrotreating Unit (Diesel Fuel Hydrotreating unit)
- Elementary Sulphur Recovery Unit
- Hydrogen Generation Unit
- Sulphur crude cracking and petroleum products production (Visbreaker)

**TAIF-NK PSC**
*Construction:*
- Catalytic Cracking Unit
- Gas Condensate Processing Unit
- High-octane gasoline components (MTBE, TAME) unit (production of high-octane components of gasoline)

*Modernization:*
- Catalytic Cracking Unit
- Vacuum section of CDU/VDU-7
- Middle Distillates Hydrotreatment Complex

*Modernization in cooperation with Shell to produce diesel fuel meeting Euro-4 standards:*
- Sulphurous petrochemical products hydrotreatment unit

*Instrument installation, electrical works*
- Taif-NK Gasoline Plant
OJSC TANECO

*Supervision on the construction site:*
- Heavy Coker Gasoil Hydrotreating Unit

*Energy and heat distributing companies of the Republic of Tatarstan*

*construction:*
- Transforming sub-station-2x1000kVA with routing cable line 10kV 5.1 km in KOD MZ RT Kazan
- Substation - 110/10 kV Novaya Tura in Zelenodolsk region of the Republic of Tatarstan
- Block-modular boiler-houses in Almetyevsk, Laishevo, Bavly, Petrovsky, Komsomolets township in Tukaev region
- Areas of Zakiev, Komonavt, Chuykov, Zorge sub-main stations
- Optical main in Elabuga, Zelenodolsk
- Heavy Coker Gasoil Hydrotreating Unit

*modernization:*
- Power supply system modernization of Khimgrad Technopolis and existing GPP 110/10 kV Magnit with increase of power transformers capacity up to 80 MW
- Modernization of BMK FGUP (Federal State Unitary Enterprise) Kombinat Mezhdurechye
- Modernization of ОАО Osinovo utility networks utilities. Construction of heat pipeline dia.700 mm from Kazan TPP-3 to Osinovo village.

*Construction and modernization:*
- Construction and modernization of electric power supply and lighting grids of Kazan, Kamskoye Ustye township, Tenki settlement, Bogatyre Saby village and RT Leshoz, Krasnaya Polyana settlement of Kirovsk region, Almetyevsk
OAO NTEK
*Construction and installation works*

OOO Penzaregiongas
*Construction and installation works*

OOO Komiregiongas
*Construction and installation works*

OOO Mariyskregiongas
*Construction and installation works*

OOO Udmurtregiongas
*Construction and installation works*

OOO Omskregiongas
*Construction and installation works*
• **Building the facility management system** – development of regulations, emergency response plan, instructions, rules and other local documents, job descriptions, quality management system, safety management system.

**KEY CUSTOMERS AND SITES:**

**TAIF-NK PSC**

*Building the facility management system:*
- CDU/VDU-7
- Catalytic Cracking Unit
- Gas Condensate Processing Unit
- Gasoline high-octane components production
- Engine fuels production complex meeting international standards Euro-4
- Kerosene cut Hydrotreatment Unit
- Visbreaker Unit
- Middle Distillates Hydrotreatment Complex
- Unoxidized Road Bitumens Units
- Gas oil Hydrotreatment Unit

*Development of design and estimate documentation for ACS:*
- Loading and unloading railway rack
- Fuel-oil residue storage and shipment of workshop No.7

*Process Distributed Control Systems:*
- Unoxidized Road Bitumen Unit
- Visbreaker Unit
- Fluid Catalytic Cracking Unit
- CDU/VDU-7
- off-site facilities
- Jet fuel tank farm
- Middle Distillates Hydrotreatment Complex
- Sulphur Recovery and Granulation Unit
OJSC TANECO

Building of facility management system:
- CDU/VDU-7
- Naphta stabilization block
- Visbreaker Unit
- Hydrogen Generation Unit
- Amine Regeneration Unit
- Hydrocracking Package
- Combined Elementary Sulphur Recovery Unit

APCS commissioning works:
- Nitrogen and oxygen plant
- Flare system
- Naphta stabilization block
- CDU/VDU-7

OAO Zarubezhneft

Building of corporate management system for activities of Downstream segment including Refinery, filling station chain and petroleum wholeseller company.

OJSC Gazprom

Development of special and application software for multilevel integrated APCS
Modernization of Process IPCS and replacement of control system VS350 with Repas SCADA system RESY-PMC
Modernization of supervisory control systems
Development and introduction of software environment for integration of control systems based on standard OPS
OOO Gazprom transgas Ukhta
Introduction of telemetry system on the base of Moscad controllers for Regional Gas Companies (RGC) as per ООО Mezhrregiongaz Automated Gas Fiscal Metering program (16 regions)
Development of data transmission facilities to the level of CDCP (Central Dispatcher Control Panel) OAO Gazprom
Building a control center for ООО Gazprom mezhrregiongaz Kirov powered by PI System
Development of software for data transmission on natural gas consumption from SCADA system to enterprise APCS -natural gas user
**SPECIALISTS EXPERTISE OF ORGNEFTEKHM GROUP OF COMPANIES**

**OOO Gazprom Transgaz Ukhta**
*Development of system software download modules set SCADA Process IPCS*

**OOO Severgazprom**
*Commissioning works, integrating testing and start-up of Process IPCS start-up package:*
- Compressor shop
- Compressor station
- Central control room

**OOAO Nizhnekamskneftekhim**
*Participation in APCS commissioning works:*
- Oligomers Plant
- Divinyl & Hydrocarbon Feed Plant
- Styrene & Polyether Resin Plant
- Synthetic Rubber Plant
- Butyl Rubber Plant

*Organization of material flows metering systems:*
- Machinery and repair plant

**OOAO Kazanorgsintez**
*Process Distributed Control Systems:*
- HDPE Production and Processing Plant
- Bisphenol-A production Plant
- Polycarbonate production Plant
OOO LUKOIL – Ukhtapererabotka

*Process Distributed Control Systems:*
- Hydrodewaxing Unit (HDW)
- Compressor Unit
- Sulphur Recovery Unit
- Catalytic reformer L-35-11/300-95
- Oil, dark petroleum products handling railroad overpass complex
- Visbreaker Unit
- Isomerization Unit
- Units 35-11/300-95 and Automation and communication system unit

OOO LUKOIL—Volgogradneftepererabotka, Volgograd

*Process Distributed Control Systems:*
- Compressor Unit
- Water Treatment Plant
- Flare Unit

RPK LUKOIL-2, Vysotsk

*Process Distributed Control Systems:*
- Crude, fuel-oil residue handling control
- Tank Farm

OOO Elastokam

*Process Distributed Control Systems:*
- Tank Farm
- Operator rooms integration
- Equipment mileage metering system
- Material flows metering systems
ZAO Polymatiz

*Development of technical documentation for APCS, maintenance service:*
- Nonwoven fabric production plant based on integrated equipment for extruded polypropylene processing

**Crude Oil Refinery, the Republic of Mariy-El**

*APCS commissioning works:*
- Allen Bradley process automatic control systems for crude distillation process

**OAO Tatnefteotdacha, Almetyevsk**

*APCS commissioning works:*
- Crude fiscal metering unit
- Metering and recording systems with the use of TREI systems

**ZAO Sever-TEK, Haryaga**

*Process Distributed Control System:*
- Haryaga Terminal
- Crude fiscal metering unit
- Alderley metering and recording systems

**OOO Tatneft-NKNK-Oil, Nizhnekamsk**

*Process Distributed Control System Delta-V:*
- Synthetic oils production plant
- Oligomerization unit
- Hydration unit
- Compounding unit
SPECIALISTS EXPERTISE OF ORGNEFTEKHM GROUP OF COMPANIES

**OAO Permnefteorgsintez, Perm**  
*Process Distributed Control Systems:*  
- Hydrocracking and Hydrodearomatization Units  
- Sulphur Recovery Unit

**OOO Orenburggasprom, Orenburg**  
*Process Distributed Control Systems:*  
- booster pump station for condensate and crude

*Electrical installation and commissioning works within the framework of AUTOMATED SYSTEM OF FISCAL GAS METERING program at the facilities:*  
- Gas metering unit of OAO Zavolzhsk engine plant  
- Gas metering unit of OAO Vyksa Metallurgical Plant  
- Gas metering unit of OAO Dzerzhinskoye Orgsteklo  
- Gas metering unit of OAO Teploobmennik, Nizhny Novgorod  
- Gas metering unit of OAO Sibur-Neftekhim  
- Gas metering unit of OAO Dzerzhinskikhimmash  
- Gas metering unit of OAO Setka, Dzerzhinsk  
- Gas metering unit of OOO Pochinsk construction materials production department  
- Gas metering unit of Nizhny Novgorod GRES  
- Gas metering unit of OAO Bogorodsk machinery plant  
- Gas metering unit of OAO Nizhny Novgorod Oil and Fat Plant, Nizhny Novgorod  
- Gas metering unit of OAO Nizhny Novgorod aircraft plant Sokol  
- Gas metering unit of OAO Gorky machinery plant  
- Gas metering unit of FSUE Scientific Industrial Enterprise Polyet, Nizhny Novgorod  
- Gas metering unit of OAO International Airport Nizhny Novgorod
Electrical installation and commissioning works within the framework of AUTOMATED SYSTEM OF FISCAL GAS METERING program at the facilities:

- Gas metering unit of Arzamas Instrument Plant JSC, Arzamas
- Gas metering unit of ООО Coca-Cola HBC Eurasia, Nizhniy Novgorod
- Gas metering unit of ОАО Nizhegorodskiy vodokanal (autocenter), Nizhniy Novgorod
- Gas metering unit of ОАО Sintez (1-st site), Dzerzhinsk
- JSC Bor manufacturing plant, Bor
- FSUE Ya.M.Sverdlov Plant, Dzerzhinsk
- ОАО Arzamas Machine-building Plant, Arzamas
- ОАО Lukoil-Nizhegorodnfteorgsintez, Kstovo
- ОАО Drobmash, Vyksa 1
- ООО Knauf-Gips Dzerzhinsk, Dzerzhinsk
- ОАО Pavlovskiy avtobus, Pavlovo
- ОАО DPO Plastik (steam boiler station), Dzerzhinsk
- ОАО Zavod Nizhegorodskiy teplokhod, Bor
- ОАО Nitel, Nizhniy Novgorod
- ОАО AVIABOR, Dzerzhinsk
- Brewing company Volga
- FSUE RFYaTs-VNIIEF, Sarov
- ОАО Zavod Polyet, Chkalovsk
- ООО Avtozavodsk Central Heating and Power Plant
- ОАО Popov GZAS, Nizhniy Novgorod
- ОАО ZSA, Nizhniy Novgorod
- Dzerzhinsk TPP(Central Heating and Power Plant), ОАО TGK-6
- Sormovo TPP, ОАО TGK-6
- Igumnovo TPP, ОАО TGK-6
Key Customers and Sites:

**TAIF-NK PSC**

*Building the system of personnel selection and training:*
- CDU/VDU-7
- Fluid Catalytic Cracking Unit
- Gas Condensate Processing Unit
- Automobile gasoline high-octane number components production
- Motor fuels production complex, meeting international standards Euro-4
- Kerosene cut Hydrotreatment Unit
- Visbreaker Unit
- Middle Distillates Hydrotreatment Complex
- Unoxidized Road Bitumen Unit
- Gas oil Hydrocracking Unit

**OJSC TANECO**

*Building the system of personnel selection and training:*
- CDU/VDU-7
- Naptha stabilization block
- Visbreaker Unit
- Hydrogen Generation Unit
- Hydrocracking Package
- Combined Elementary Sulphur Recovery Unit

**OJSC Gazprom**

*Software development for training working places of Gazprom transgas Ukhta*
SPECIALISTS EXPERTISE OF ORGNEFTEKHIM GROUP OF COMPANIES

• Identification of start-up stage-by-stage approach
• Selection, area-wise distribution and coordination of commissioning contractors
• Organization of comprehensive testing
• Optimization of process parameters
• Personnel on-site training

KEY CUSTOMERS AND SITES:

OAO Nizhnekamsk Refinery
Preparation to start-up and commissioning works:
♦ Vacuum section of CDU/VDU-7
♦ VR Visbreaking Unit
♦ Hydrogen Generation Unit
♦ Diesel and Kerosene Hydrotreating Unit
♦ Elementary Sulphur Recovery Unit
♦ Unoxidized Road Bitumen Unit

TAIF-NK PSC
Preparation to start-up and commissioning works:
♦ Catalytic Cracking Unit
♦ Gas Condensate Processing Unit
♦ Liquefied gas desulphurization block at Catcracking Unit - Merox Process
♦ Automobile gasoline high-octane number components (MTBE, TAME) production units (high-octane number gasoline components production)

OJSC TANECO
participation in commissioning works:
♦ Hydrocracking Package
♦ Visbreaker Unit
♦ Combined Sulphur Recovery Unit

OAO Gazprom neftekhim Salavat
Coordination and participation in commissioning works:
♦ CDU/VDU-6
OAO NTEK
Commissioning works

OOO Penzaregiongas
Commissioning works

OOO Komiregiongas
commissioning works

OOO Mariyskregiongas
commissioning works

OOO Udmurtregiongas
commissioning works

OOO Omskregiongas
commissioning works

• OOO INKO-TEK
• OOO Kama-Avtomatika
• OOO EA Insight
technical and economic optimization of operating facility in cooperation with other Refinery facilities to improve energy efficiency, production flexibility and maximizing enterprise earning power as a whole

KEY CUSTOMERS AND SITES:

**OAO Nizhnekamsk Refinery**
*technical and economic optimization:*
- Unoxidized Road Bitumen Unit
- Jet fuel compounding, storage and shipment farm
- Bunker fuel storage and shipment farm

**TAIF-NK PSC**
*technical and economic optimization:*
- Catalytic Cracking Unit
- Gas Condensate Processing Plant of TAIF-NK PSC
- Automobile gasoline high-octane number components (MTBE, TAME) production units (high-octane number gasoline components production)
- Euro-4 fuel production unit (Catcracker)
- Vacuum section of CDU/VDU-7
- Kerosene cut Hydrotreatment Unit
- Gas oil Hydrotreatment Unit
- Sulphurous petroleum product Hydrotreatment Unit – in cooperation with Shell to produce diesel fuel meeting Euro-4 standard.

**OJSC TANECO**
*Technical and economic optimization:*
- Heavy Coker Gasoil Hydrotreating Unit
- Visbreaker Unit
- CDU/VDU -7
SPECIALISTS EXPERTISE OF ORGNEFTEKHIM GROUP OF COMPANIES

**OAO Gazprom neftekhim Salavat**

*technical and economic optimization:*
- CDU/VDU-6

**OOO Tomskneftepererabotka**

*technical and economic optimization:*
- CDU-1
- CDU -2

**OAO Novokuybyshevsk Refinery**

*development of actions and technical solutions list aimed at improvement of operation efficiency:*
- Atmospheric Vacuum Distillation Unit, Parex, Delayed Cocker
- Benzol bearing fraction recovery from stable catalysts
- MEA blocks – gas treatment
- Petroleum products alkalization blocks

**OAO Zarubezhneft**

*technical and economic optimization*
- CDU/VDU-3
- Gasoline Hydrotreatment and Fractionation Unit;
- Kerosene cut Hydrotreatment Unit
- Diesel fraction Hydrotreatment Unit
- Bitumen Unit
- Fuel Oil Treating Unit
- Liquified petroleum gas treatment Unit
- Catalytic Reforming Unit
- Benzene Recovery Unit
- Suphur Recovery Unit
- Hydrogen Production Unit
- Hydrocracking Unit
ORGNEFTEKHIM-HOLDING TOP MANAGEMENT

Alexander A. BABYNIN
General Director
Honored Chemist of the Republic of Tatarstan
Laureate of the Russian Federation and the Republic of Tatarstan State Prizes in Science and Engineering

Leonid V. MIKHAILOV
Deputy General Director for Corporate Ownership and Investments

Vladislav I. EMEKEEV
Deputy General Director for Construction Organization and Control
Honored Chemist of the Republic of Tatarstan

Dr. Mikhail I. TYUNIN
Deputy General Director – Chief Engineer
Honored Chemist of the Republic of Tatarstan