Group’s Projects
COMPLETED PROJECTS
Reconstruction of second line of main pipeline on Zirabulak-Galliaral 105-148km (length of 43 km)

Type of contract: PC  
Client: Uztransgaz JSC  
Production capacity: Construction of gas pipeline with the length of 43 km.

The following works were implemented:

- Procurement of piping materials. Welding materials. Valves and fittings, insulation materials, pig launchers and etc  
- Construction of main pipeline with length of 43km, diameter of 1220x12-14 mm (with operational capacity of 44 atm)  
- Demounting works for nonoperational line of main gas pipeline with length of 16km, transportation to destination point  
- Erection of linear cranes with two-sided blowdown and pig launcher  
- Civil works (earth works, excavation and backfilling of trenches, demounting works)

There were the following types of pipes used during the execution of project.

- LSAW Pipe 1220x12-14mm. With corrosion resistant coating  
- Pipe 426x12mm Steel 09G2S  
- Pipe 325x10 mm Steel 20  
- Pipe 57x5 mm Steel. 09G2S  
- Pipe 159x6 mm Steel. 09G2S  
- Pipe 219x8 mm Steel. 09G2S  
- Pipe 22x3 mm Steel. 09G2S

More than 250 people and more than 89 units of specialized equipment and machinery involved in execution.
**Development of Shady and Khauzak site of Dengizkul field**

**Type of contract:** PCC  
**Client:** Lukoil Uzbekistan Operating Company LLC  
**Production capacity:** Production of natural gas and condensate in the amount of 1.57 bln. cu m/year  
**Project aim:** Development of Shady and Khauzak site of Dengizkul field. Construction of Preliminary Gas Treatment Plant.

**The following works were implemented:**

- Procurement of equipment and materials
- Construction, testing and commissioning of:
  - well-pad K1 and K2;
  - flow lines from 14 wells towards well-pad K1/K2;
  - Gas collectors (D 406mm) from well-pad K1/K2 towards preliminary gas treatment plant Khauzak (21 km);
  - Fuel pipeline from well-pad 9 towards well-pad K1/K2 (12.75 km);
  - Roads from well-pad towards well-pad K1/K2 and well (28.6 km);
  - Optic fibre from well-pad 9 towards well-pad K1 and K2 (14 km);
  - External electric power lines (ВЛ-10kW) from well-pad 9 towards well-pad K1 and K2;
  - Electrical and chemical protection of pipelines (15 km).
  - Crossing pass through Dengizkul lake with the construction of bridge for automobiles.
Development of gas-condensate field
Djarkuduk – Yangi Kizilcha. Phase: Early Gas

Type of contract: PC
Client: Lukoil Uzbekistan Operating Company LLC
Production capacity: Production of natural gas In the amount of 1.1 bln. cu m/year
Project aim: Construction of optimal system for collection and transportation of hydrocarbons produced in Dengizkul – Yangi Kizilcha gas condensate field.

The following works were implemented:

• Procurement of equipment and materials
• Construction, testing and commissioning of facility and:
  • Wellhead connection (5 wells)
  • Gas pipelines – wellheads (D 114.3x13,5mm)
  • Electric lightning and grounding
  • Gas gathering station (N-1)
  • Pipeline-collector “Gas gathering station №1 Djarkuduk – Preliminary gas treatment plant Djarkuduk” – gather station ”Yuzhnaya Tandyrcha” (D323), length -29 km) including pig launcher, pig receiver, compressor station
• Roads
• Optic fibre
Type of contract: EPCC
Client: Petronas Charigali Operating Company
Production capacity: Production of 1.45mln. cu m. of gas a day.
Project aim: Construction of Booster Compressor Station and Preliminary Gas Treatment Plant for receipt and refining of unclean gas

The following works were implemented:

- Engineering
- Erection and installation of technological equipment
- Erection of steel-structures
- Erection of pipelines
- Commissioning of sub-facilities (Gas piston electric station, diesel electric station, boiler station, pump station)
- Construction of Booster Compressor Station
- Installation of gas pumping compressors
- Construction of Preliminary Gas Treatment Plant
- Construction of administrative buildings
- Instrumentation and Controls
- Hydro-proofing works
- Testing of compressors
Type of contract: PC
Client: UE “Board of construction and infrastructure of UGCC”
Project aim: Transportation of raw gas from Surgil group of fields to UGCC

The following works are being implemented:

- Construction of raw gas pipeline from UKPG “Surgil” to UGCC (Pipe diameter 1020, pipe length 115 km)
- Construction of condensate pipeline (Pipe diameter 168, pipe length 115km)
- Construction of sales gas pipeline from UGCC to CS “Akcholok” (Pipe diameter 720, pipe length 7km)
- Construction of motor road from UKPG “Surgil” to UGCC
- Power supply (power supply for block-boxes, power equipment and lighting equipment)
- Construction of cathodic protection, FOB, CS, pig launcher and pig receiver
- Construction of linear facilities
Type of contract: PCC
Client: Lukoil Uzbekistan Operating Company LLC
Production capacity: 1.5 mln. cu. m/day
Project aim: Increase of gas production and transportation from "Khauzak" field to "Mubarek" CPF

The following works are being implemented:
Construction of booster compressor station (BCS) which is located in gas field Khauzak-Shady and meant for the provision of gas to the gas pipeline Khauzak-Dengizkul-Mubarek gas processing plant under condition of depletion of reservoir energy and reduction of gas pressure into Preliminary Gas Treatment Plant.
Station consist of high-tech facility (which uses electrically powered compressor/gas compressor unit) and considered to be the first production unit of such type within gas industry of Uzbekistan.
CURRENT PROJECTS
Type of contract: PC - project will be implemented in consortium with Hyundai Engineering Company

Client: Lukoil Uzbekistan Operating Company LLC

Production capacity: 8.1 bln.cu. m/year

Project aim: Production of sale gas, sulfur and gas condensate

The following works will be implemented:

• Construction of export gas pipeline and metering system (length – 68 km, diameter –914 mm)
• Construction of gathering system (77 wells, 6 cluster sites, 2 gathering units, length of flowlines and collecting pipes 243,1 km, diameter 168 mm, 219 mm, 460 mm, 620 mm)
• Construction of external power supply system (construction of HV 220 kV, 35kV, 10 kV. Reconstruction of Kandym substation)
• Construction of roads (Yakatut – CPF – Base Camp – 51 km; along waterline – 8 km, along export gas pipeline – 68 km, field roads – 243,1 km)
• Construction of external water line (from water intake facility to CPF waterline length – 53,12 km; from CPF to Base Camp – 5,40 km). Pipe diameter 250 mm
• Construction of flowlines from wells to cluster sites and gathering units, collecting pipes from cluster sites to gathering units and to CPF
• Construction of Base camp (1150 people) unloading area, fences and non-technical buildings
Type of Contract: EPCC
Client: Lukoil Uzbekistan Operating Company LLC
Production capacity: 2.2 bln. cu. m/year
Project aim: Preliminary preparation and transportation of gas from “Kuvachi Alat” and “Northern Shady” fields to Mubarek CPF.

The following works are being implemented:

• Engineering of linear facilities (roads, pipelines, FOB, HV and others)
• Procurement of KIIS systems, water supply equipment, civil works materials, cable materials, FOB cables, TMS for well head tie-in, drainage tank
• Construction of “Kuvachi Alat” and “Northern Shady” UPPGs
• Construction of pipeline from UPPG “Kuvachi Alat” to UPPG “Northern Shady” and from UPPG “Northern Shady” to pipeline “Dengizkul-MCPF” – Pipe diameter 508mm, Pipe length – 78km
• Construction of fuel gas pipeline from UPPG “Denguzkul” to UPPG “Northern Shady” – Pipe diameter 89mm, pipe length - 23,266km
• Well head tie-in and construction of flowlines (from 21 wells)
• Construction of roads – 151,4km
• Gas collector from gathering station to UPPG “Kuvachi Alat” – Pipe diameter 406x28.6, pipe length 10,53 km
• Gas metering collector from K-2 to UPPG “Kuvachi Alat” – Pipe diameter 219x18.3, pipe length – 10,53km
• External power supply unit – HV35 - 36km; HV10 - 150km, construction of temporary power station Kuvachi – Alat 35/10kW
• Construction of technological connection. FOB – 230km: Upgrade of existing connection system
Type of contract: EPCC
Client: Lukoil Uzbekistan Operating Company LLC
Production capacity: Complex Gas Treatment Plant – 4.4 bln. cu m/year,
Preliminary Gas Treatment Plant 1.8 bln. cu m/year, 2 Booster Compressor Stations – 11 MWt
Project aim: Preliminary raw gas preparation from 3 gas condensate fields and transportation to “Shurtan” SPF

The following works are being implemented:

- Engineering of BCS Adamtash
- Procurement of BCS equipment, reservoir with various capacity, transformer substations and etc.
- Construction of raw gas pipeline (Pipe diameter 457 – Pipe length 43.5 km)
- Construction of unstable condensate pipeline (Pipe diameter 168.3 – Pipe length 43.5 km)
- Construction of dry gas pipeline (Pipe diameter 813 – Pipe length 65 km)
- Construction of stable condensate pipeline (Pipe diameter 168.3 – Pipe length 64.5 km)
- Construction of flowlines (Pipe diameter 168.3; pipe length 26.7 km)
- Construction of collecting pipes (Pipe diameter 328.8 – Pipe length 8km)
- Construction of BCS on Adamtash field
- Construction of waterline fiberglass – 13km
- Construction of UPPG (1.8 bln. st. cub. m/year)
- Construction of UKPG (4.4 bln. st. cu. m/year)
- Construction of gathering unit (5 units)
- Construction of base connection line, pig launcher and pig receiver
- Development of wells
- Construction of FOB (371 km) and external power supply line
Type of contract: EPCC
Client: Gissarneftegaz JV
Production capacity: BCS capacity is equal to 5 mln. cubic meters of gas per day.
Project aim: BCS to hold the level of gas production annually at 2 bln. cubic meters of gas until the end of 2020.
The following works are being implemented:
BCS engineering
• Development of wellhead (17 wells)
• Construction of flowlines with pipe diameter of 168x10mm, 108x8mm and length of 45km
• Construction of collectors with diameter of 219x15-17 and length of 18.3km
• Construction of BCS site (GPU 4 units – 8MW, ACU system, air-nitrogen compressor station, gas compression system and others.)
• Construction of pig launcher, pig receiver,
• Construction FOB and external HV lines
Type of contract: EPCC
Client: Kokdumalakgas JV (Gasprom)
Production capacity: Booster Compressor Station – 2.6 bln. cu. m/day
Project aim: Construction of Booster Compressor Station, transportation of gas from Southern Kemachi field to Mubarek CPF

The following works are being implemented:

- BCS engineering
- Set up of GPU-8 NK/V BCS (2 units) for 1 stage of compression in block-modular construction
- Set up of GPU-18 NK/V BCS (2 units) for 2 stage of compression in block-modular construction with vertical blow off and impulse air-filtering device
- Compression system unit set up
- Cushion and fuel gas preparation unit
- Sulphur treatment unit impulse air, instrumental air, and nitrogen generation treatment unit
- BCS Heating, power supply, oil supply, connection and water supply unit set up
- BCS automated process control system set up
- Technologic gas metering point set up
- Procurement of fabricated materials for pipelines (piping assemblies and supplies package)
- Cable and wiring products (cables, wires, tows) set up
- Erection materials (gaskets, sockets, cable trays, protection pipes and etc.)
- Construction of accommodation building (40 people), canteen and parking area.
**Type of contract:** EPC - project is being implemented in partnership with Hyundai Engineering and Construction  
**Client:** JV LLC «Oltin Y’ol GTL»  
**Production capacity:** 38 000 b/d of liquid fuel including liquid gas, naphtha and diesel  
**Project aim:** Preparatory works for the construction of GTL plant.

**The following works are being implemented:**

- Excavation works  
- Compaction works  
- Procurement, installation and maintenance of wiremesh fence during site preparation works  
- Provision, maintenance and final dismantling of temporary construction facilities  
- Backfill and natural soil compaction  
- Providing of land survey during the work execution  
- Construction of constant slope  
- Construction of drainage system
Client: Severneftegazprom OJSC
Project aim: Comprehensive re-equipment and overhaul of Yuzhno — russkoye Oil&Gas field.

Description:
Yuzhno-Russkoye Oil, Gas, and Condensate Field. Complex gas treatment plant. Compressor department № 1 (stage 2)
The project envisages construction and re-equipment of Gas Treatment Plant, construction of Industrial base with a warm parking area, as well as many other smaller infrastructure objects, comprehensive landscaping, renovation and replacement of existing equipment on a number of facilities of Yuzhno-russkoye Oil&Gas field.

Facilities to be erected:
• Reconstruction of the boiler in GPP and replacement of pumps
• Construction of Accommodation building
• Construction of Sports Hall and related facilities
• Replacement of compressor units, construction of power unit, technological networks and electricity, heating, water supply and sewage systems
The following works are being implemented:
Client: Severneftegazprom OJSC

Project aim: Construction of industrial base, technical re-equipment of production facilities, comprehensive re-equipment and overhaul.

Description:
- Yuzhno-Russkoye Oil, Gas, and Condensate Field. Industrial base. Industrial building with a warm parking area.
- Technical re-equipment of production facilities of the Yuzhno-Russkoye Oil, Gas, and Condensate Field.
- Comprehensive re-equipment and overhaul of Yuzhno—Russkoye Oil&Gas field.

Facilities to be erected:
- Construction of Industrial base with a warm parking area
- Steaming equipment installation
- Various tanks and storage facilities
- Electrical Substation
- Other smaller infrastructure objects and comprehensive landscaping,
- Technological and engineering communications and pipelines
Construction of administrative building in Noviy Urengoy

**Client**: Severneftegazprom OJSC

The project involves the construction of a 5-story building with a ground floor and a helicopter parking field. The total building area is 4500 m². In addition, the hotel-purpose building (Personnel gathering point) is also being constructed as a separate project for temporary accommodation of Severneftegazprom personnel.

**Facilities to be erected:**

- Administrative building
- Accommodation building
- Administrative unit with electrical substation
- Boiler room
- Sewage facilities and Pump Station
- Diesel generator
Oil heating point on km 358. Pipeline Zapolyarye – Purpe oil pumping station

Client: Sibnefteprovod OJSC (Transneft OJSC)

Project aim: Heating and pumping of oil pipeline Zapolyarye – Purpe

Description: Construction, modernization and repair works of the Investment project: «Pipeline system «Zapolyarye – Purpe oil pumping station». Phase 1. Part from Purpe oil pumping station to 358 km. Stage 5. Transit oil heating points at the section of the pipeline from Purpe oil pumping station to 358 km. Oil heating points on 358 km» for “OJSC «SC «Transneft»“.

Objects to be erected:
- Oil heating point
- Operator base
- Warm parking area with repair facilities
- Temporary camp base with warehousing facilities
- Access roads
- Other infrastructure objects
Oil heating point on km 217. Pipeline Zapolyarye – Purpe oil pumping station

**Client:** Sibnefteprovod OJSC (Transneft OJSC)

**Project aim:** Heating and pumping of oil pipeline Zapolyarye – Purpe

**Description:** «Construction, modernization and repair works of the Investment project: «Pipeline system «Zapolyarye – Purpe oil pumping station». Phase 2. Part from Oil pumping station №2 to 358 km. Stage 4. Transit oil heating points at the section of the pipeline from Oil pumping station №2 to 358 km. Oil heating points on 217 km» for “OJSC «SC «Transneft»

**Objects to be erected:**

- Oil heating point
- Operator base
- Warm parking area with repairment facilities
- Temporary camp base with warehousing facilities
- Access roads
- Other infrastructure objects
Client: Sibnefteprovod OJSC (Transneft OJSC)

Project aim: Heating and pumping of oil pipeline Zapolyarye – Purpe

Description: «Construction, modernization and repair works of the Investment project: «Pipeline system «Zapolyarye – Purpe oil pumping station». Phase 2. Part from Oil pumping station №2 to 358 km. Stage 4. Transit oil heating points at the section of the pipeline from Oil pumping station №2 to 358 km. Oil heating points on NPS №2 (285 km)» for "OJSC «SC «Transneft».

Objects to be erected:
- Oil heating point
- Operator base
- Warm parking area with repairment facilities
- Temporary camp base with warehousing facilities
- Access roads
- Other infrastructure objects
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