

BRIEF PRESENTATION

“EAST-WEST ENGINEERING” LLC

Professional services on design and project management in civil and fuel-energy industry



“EAST-WEST ENGINEERING” LLC
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COMPANY OPERATION DESCRIPTION

“East-West Engineering” LLC is one of the leading engineering companies having its business in design of industrial and civil facilities on the territory of CIS. Having dynamic development since 2011 the company is engaged in design and management of the projects for huge customers being realized across all the CIS territory. The main specialization of the company is the design of aboveground oil-and-gas and energy infrastructures, with broad possibilities in design of facilities for natural gas production and processing (such as booster compressor stations, gas processing plants and others). Our experience in design of civil facilities and deep knowledge of local normative documents and standards for design allows us to participate almost in all projects of modern economy.

Among the projects performed by our company there are projects that belong to LUKOIL (Russia), Gazprom (Russia), HYUNDAI Engineering (Republic of Korea), SAMSUNG Engineering (Republic of Korea), NHC “Uzbeneftegaz” (Uzbekistan), SJSC “Uzbekenergo” (Uzbekistan), Technip (Italy), KNM Processing Systems (Malaysia), Tecnoconsult (Venezuela) and Petronas (Malaysia).

The company has almost all required licenses for design works on the territory of the Republic of Uzbekistan.

THE LIST OF CLIENTS



COMPLETED AND ONGOING PROJECTS

EXTERNAL WATER SUPPLY TO ADAMTASH, GUMBULAK AND JARKUDUK - YANGI KIZILCHA FIELDS

The project is implemented under the contract with KNM for technical assistance in front-end engineering design and coordination with the End User of a local working project “External Water Supply System to gas-condensate fields Adamtash, Gumbulak, Dzharkuduk-YangiKyzylcha”

Customer: LUKOIL Uzbekistan Operating Company.

General contractor: KNM PROCESS SYSTEMS SDN. BHD. (Malaysia).

Scope of work:

- Review and provision of written comments in terms of project documentation for the facility “External water supply of Adamtash, Gumbulak and Djarkuduk-Yangi Kyzylcha fields” developed by OJSC “Uzsuvloyiha”.
- Provision of technical and engineering services in order to bring the project documentation in compliance with the customer requirements.
- Provision of technical and engineering services in order to bring the project documentation in compliance with the norms and regulations of the Republic of Uzbekistan, and the requirements of LUKOIL Uzbekistan Operating Company.

Implementation period: 2011-2012

CONSTRUCTION OF BOOSTER COMPRESSOR STATION AT NAVOYI TPP

The first successful application of Project Management solution in Uzbekistan.

Customer: “Uzbekenergo” State Joint Stock Company

General contractor: None

Scope of work:

- Basic design and development of DD: Construction of Gas Booster Compression Station (GBCS) with auxiliary equipment and infrastructure to provide 478MW CCP with fuel gas . Capacity is 90,000 nm3/hour. 2 centrifugal compressor units with electrical drive.
- Project management (EPCM). During the project implementation, the active application of project management scheme allowed the Customer to refrain from the scheme of project transferring to a single general contractor, as well as significantly reduce project cycle. Considering the average duration of similar projects in Uzbekistan of 24 months, “Uzbekenergo” completed the whole project in 8 months from the date of our engagement in the project.

Implementation period: 2011-2012

PROJECT: “UTILIZATION OF LOW-PRESSURE GASES OF SOUTH KEMACHI, KRUK, WESTERN KRUK, NORTHERN URTABULAK, UMID FIELDS” WITH CONSTRUCTION OF A BOOSTER COMPRESSOR STATION “SOUTH KEMACHI”

Customer: JV “Kokdumalakgas” (between GAZPROM and Uzbekneftegaz)

General contractor: “ENTER Engineering PTE” Ltd. (Singapore)

Project purpose: Construction of low-pressure gases’ gathering system and booster compressor station (BCS) for utilization of associated petroleum gases in the volume of 2.6 million m³/day (0.955 billion m³/year), extracted from the active flare systems of oil and condensate degassing on Western Kruk, Kruk, Northern Urtabulak, Umid fields and separated gas of CGPU Southern Kemachi followed by supply of compressed gas to CGPU Southern Kemachi to treat it for further transport to CPF for processing.

Scope of work:

- Development of Main Design Solutions for the construction of the facility “Utilization of low-pressure associated gases on South Kemachi, Kruk, Western Kruk, Northern Urtabulak, Umid fields” on “turn key” basis.
- Development of TEO and support during endorsement with State bodies.
- Development of the basic project.
- Development of detailed design documentation in complete set and in the volume, required for the implementation of the facility construction.
- Field supervision on construction works.
- Development of EIS

Implementation period: 2013-2015.

CONSTRUCTION OF BOOSTER COMPRESSOR STATION AT NORTHERN NISHAN FIELD

Customer: JV “Gissarneftegaz” (between GAZPROM and Uzbekneftegaz)

General contractor: “ENTER Engineering PTE” Ltd. (Singapore)

Project purpose: Construction of the booster-compressor station at “Northern Nishan” field under the “turnkey” basis for maintenance of required pressure at the inlet to the Low Temperature Separation Unit of GS Shurtan during depletion of the formation energy at the operated fields. The BCS will provide compression of the gas supplied from the gas-condensate fields in the volume of 6.02 mln.m3 per day with the inlet pressure of 31.5 bar(g) at the beginning of the operation (2014) and 1.6 mln.m3 per day with the inlet pressure 5.0 bar(g) at the end of operation period (2033). Gas outlet pressure of BCS is 80.0 bar.

Scope of work:

- Development of TEO and support during endorsement with State bodies.
- The elaboration of the Basic design of BCS, including issuance of basic design solutions. At this stage the main technical solutions on all project disciplines were provided including technological calculations and diagrams, data sheets, bills and the list of equipment.

Implementation period: 2013-2015

CONSTRUCTION OF A PLANT FOR THE PRODUCTION OF SYNTHETIC FUEL (GAS-TO-LIQUID) GTL IN UZBEKISTAN

End Customer: "Oltin Yo'l GTL", Uzbekistan

General contractor: Technip, (Italy)

Project purpose: Development of FEED2

Scope of work:

- Conceptual design of main buildings, as well as detail engineering of structures for the process equipment and the pipe racks.

Implementation period: 2012-2012

General Contractor: «Hyundai Engineering Co., Ltd.» (Republic of Korea)

Scope of work:

- Inspection of the design documentation for firefighting safety for compliance with the requirements of the normative documentation effective on the territory of the Republic of Uzbekistan within the frames of the UzGTL project;
- Rendering consultative services on fire safety with in the frame of the project on production of liquefied synthetic fuel GTL (GAS-TO-LIQUID) in the Republic of Uzbekistan;
- Revision of design documentation of fire protection for the compliance with norms and rules effective on the territory of the Republic of Uzbekistan;
- Performance of category calculations of premises, buildings and external installations of CPF and Kandym group of fields on explosion and fire safety as per ShNK 2.01.19 in the frame of the project “Construction of a plant on production of liquefied synthetic fuel GTL (GAS-TO-LIQUID) in Uzbekistan.
- Design of peripheral systems: gas supply system methane-rich; raw water supply system; reserve water supply system; ethylene supply system; waste water drainage system; access road; ESD/DCS communication system.

Implementation period: 2015-2020

CONSTRUCTION OF CPF COMPLEX AND DEVELOPMENT OF KANDYM GROUP OF FIELDS

Customer: “LUKOIL Uzbekistan Operating Company” LLC

General Contractor: «Hyundai Engineering Co., Ltd.» (Republic of Korea)

Project purpose: Development of gas fields (Kandym, Accum, Parsankul, Hodge and Western Hodge) located in Karakul area, Bukhara region, the Republic of Uzbekistan.

The plans on development of the Kandym group of fields provide the complex of works on development of a unique production facility that will include:

- more than 100 gas production wells;
- gas gathering system with pipeline length more than 400 km;
- gas processing plant of 8.1 billn. m3/year gas production;
- export gas pipeline of more than 70 km length;
- railroad of 56 km length;
- external motor roads of 120 km length;
- water supply facilities including 90 km length pipelines;
- external power electric supply facilities (OHL 220kV, s/s 220/110/35 kV);
- gas turbine power plant of more than 80 MW;
- shift camp for 1380 people;
- central support base;

- commodity park and goods loading terminal;
- treatment facilities;
- booster compressor stations.

Scope of works for 2013:

- FEED, adaptation of the design documentation as per the norms and rules effective on the territory of the Republic of Uzbekistan, as well as support during obtaining of the required permissive documents and approvals during realization of the project.

Scope of works in 2014:

- Performance of category calculations of premises, buildings and external installations of CPF and Kandym group of fields on explosion and fire safety as per ShNK 2.01.19 in the frame of the project “Construction of CPF complex and development of Kandym group of fields”;
- Revision of design documentation for the compliance with (existing) norms effective on the territory of the Republic of Uzbekistan;
- Development of the industrial safety declaration of the hazardous production facility “Construction of CPF complex and development of Kandym group of fields” of project documentation developed at FEED stage.

Scope of works for 2015:

- Development of DD for the gas gathering system, including linear gas pipelines, motor roads, overhead lines 10kV-35kV, fiber optic cable, external water supply and so on.

Scope of works for 2016-2018:

- Development of local resource registry and estimation part
- Development of the detailed design documentation for supply of electric energy to PIG RECEIVER AREA of the export gas pipeline
- Development of the detailed design documentation (rack, condensate loading system, diesel fuel and methanol receiving area)
- Designer supervision

“EARLY GAS OF KANDYM GROUP OF FIELDS AND DEVELOPMENT OF THE NORTHERN PART OF SHADY AREA.” KUVACHI ALAT FIELD. 1ST START-UP COMPLEX.

End Customer: “LUKOIL Uzbekistan Operating Company” LLC

General contractor: “HYUNDAI Engineering” LLC” (Republic of Korea)

Scope of works:

- Development of FEED design documentation.
- Development of wells;
- Gas flow lines from wells to the gas gathering station;
- Gas collector from GGS to PGPU;
- Metered gas collector from GGS to PGPU;
- Overhead line 10 kVa;
- Cathodic protection and power supply system for ECP means and gas flow lines;

- 55 km gas pipeline from Kuvachi Alat PGPU to Northern Shadi PGPU;
- Automobile road with total length of 100 km;
- Development of plot plans for wells, GGS, water intake facility and PGPT;
- Development of buildings and structures at the PGPT area.
- Calculation and determination of explosion and fire safety of buildings and units
- Development of industrial safety declaration
- Local resource registry and estimations

Work performance deadlines: 2014-2015

DEVELOPMENT AND ADAPTATION OF THE DETAIL DESIGN DOCUMENTATION FOR THE FACILITY “FIELD SUPPORT BASE AT DJARKUDUK-YANGI KIZILCHA FIELDS”

End Customer: “LUKOIL Uzbekistan Operating Company” LLC

General Contractor: “ENTER Engineering PTE” Ltd. (Singapore)

Scope of works:

- Development of DD for Administrative buildings
- Local resource registry and estimations

Work performance deadlines: 2014

CONSTRUCTION OF BOOSTER COMPRESSOR STATION ON ALAN FIELD

End Customer: “Mubarekneftegaz” Unitary Subsidiary Enterprise

General Contractor: KMPO Motor Ltd (Russia)

Scope of work: Development of the basic project and DD

- Development of main technical solutions for all disciplines, process calculations, development of process diagrams (P&ID), data sheets.
- Development of RD
- Development of industrial safety declaration
- Calculation and determination of explosion and fire safety categories
- Development of SEC (statement of environmental consequences)
- Local resource registry and estimations
- Field supervision on construction works.

Work performance deadlines: 2014-2015

CONSTRUCTION OF THE BOOSTER COMPRESSOR STATION – 2 ON SHURTAN FIELD

End Customer: “Shurtanneftegaz” LLC.

General contractor: KMPO Motor Ltd. (Russia)

Scope of work:

- Development of main technical solutions for all disciplines, process calculations, development of process diagrams (P&ID), data sheets.
- Development of RD
- Development of industrial safety declaration
- Calculation and determination of explosion and fire safety categories
- Development of SEC (statement of environmental consequences)
- Local resource registry and estimations
- Field supervision on construction works.

Work performance deadlines: 2014-2015

CONSTRUCTION OF USTYURTSKIY PETROCHEMICAL COMPLEX

End Customer: JV “Uz-Kor Gas Chemical” LLC

General contractor: Samsung Engineering Co.Ltd., Hyundai Engineering Co.Ltd., GS E&C

Scope of works, basic design and DD:

- Modernization of Nitrogen generation unit by installation of atmospheric evaporizer
- Construction of methanol dosing system with injection into gas pipeline of CGTU Surgil - UGCC and tank battery of 100m³ for methanol storing at the field of CGTU Surgil
- Correction of P&ID
- Design of a warehouse
- Hydrogen cylinders filling station for utility needs of UGCC
- Design of a shed for protection from atmospheric precipitation at unit S-5201 on UGCC polypropylene territory
- Design of the aboveground passage over the insite motor road for the I&C cables and electric power supply for the hydrogen cartridge storage area at the UGCC site
- Design of a shed for clarifiers (X-8701-S10A/B) at the territory of UGCC
- Construction of a Pump station
- Installation of an HDPE granules packing line “Big-Bag”
- Construction of a bypass lintel between the gas pipeline CGTU Surgil-UGCC and UGCC-CS Akchalak
- Construction and installation of the chemical injection system 20Y3449 GE in the ethylene shop
- Installation of additional heat exchanger on the inlet line of a feed gas UGCC
- Nitrogen cylinders filling station for utility needs of UGCC

Implementation period: 2013-2023

CONSTRUCTION OF THE ALKALI DISSOLVING UNIT AT USTURT GCC

End Customer: JV “Uz-Kor Gas Chemical” LLC

General contractor: Bernet LTD.

Scope of work:

- Design documentation adaptation,
- Development of the design documentation, provision of technological solutions,
- Designer supervision

Implementation period: 2018

CONSTRUCTION OF CCPP-2 NAVOIY of 450 MW

End Customer: State Joint Stock Enterprise “Uzbekenergo”

General contractor: Mitsubishi Corporation and Mitsubishi Hitachi Power Systems (MHPS)

Customer: Çalık Enerji A.Ş.

Scope of work:

- The works on calculation of the category on explosion and fire safety of the premises, buildings and external installations as per the ShNK 2.01.19-09 and their approval with the relevant state bodies of RUz;
- Revision of the detail design documentation for the compliance with the norms and requirements of the legislation of RUz and provision of the recommendations;
- Development and approval of the detail design documentation for installation of an additional pipeline-receiver in the fuel gas supply line of CCPP-2 at Navoiy TPP;

Implementation period: 2016 – 2020.

CONSTRUCTION OF CCPP TURAKURGAN of 2x450 MW

End Customer: State Joint Stock Enterprise “Uzbekenergo”

General contractor: Mitsubishi Corporation

Customer: Çalık Enerji A.Ş.

Scope of work:

- The works on calculation of the category on explosion and fire safety of the premises, buildings and external installations as per the ShNK 2.01.19-09 and their approval with the relevant state bodies of RUz;
- Revision of the detail design documentation for the compliance with the norms and requirements of the legislation of RUz and provision of the recommendations;

Works commencement period: 2016 – 2019

CONSTRUCTION OF THE AMMONIA AND UREA PLANT NAVOIYAZOT

End Customer: State Joint Stock Enterprise “Navoyiazot”

General contractor: Mitsubishi Heavy Industries

Scope of work:

- Detailed design adaptation;
- Technical consultation during mounting of the firefighting system;
- Installation and technical maintenance of the video surveillance system;
- Delivery and mounting of the illumination devices;
- Delivery and mounting of the HVAC electric power supply system;
- Development of self-contained video surveillance system;
- Fire extinguishing system start-up and commissioning.

Works commencement period: 2017 – 2020

OUTSIDE DESIGN LIMITS FOR CONSTRUCTION OF A PLANT FOR THE PRODUCTION OF SYNTHETIC FUEL (GAS-TO-LIQUID) GTL IN UZBEKISTAN

End Customer: OLTIN YO'L GTL

General contractor: Hyundai Engineering & Construction Co., Ltd.

Customer: Hyundai Engineering & Construction Co., Ltd.

Scope of work:

- External Battery Limits (EBL),
- Technical support during approval of the design in state agencies.
- ID-OBL-EBL-005 Ethylene supply system
- ID-OBL-EBL-006 Waste water line
- ID-OBL-EBL-012 emergency exit and access road
- ID-OBL-EBL-016/017 Communication system to SHGCC (ESD/DCS)

Works commencement period: 2017 – 2019

CONSTRUCTION OF BOOSTER COMPRESSOR STATION AT SURGIL FIELD

End Customer: JV “Uz Kor Gas Chemical” LLC

General contractor: JV “Uz Kor Gas Chemical” LLC

Scope of work:

- Development of the technical part of the tender documentation for selection of the EPC contractor within the frames of construction of the BCS at Sugil field.

Works commencement period: 2019 – 2021

CONSTRUCTION OF THE FACILITIES FOR THE PROJECT “INSTALLATION OF THE STABILIZED CONDENSATE LOCADING UNIT INTO THE RAILROAD TANKS AT KANDYM CPF. POL AND METHANOL RECEIVING AND STORAGE AREA AT THE UTILITIES AREA”

End customer: Lukoil Uzbekistan Operating Company LLC.

General contractor: JV “Kashkadaryo Neft-Gaz Qurilish va Tamirlash”

Scope of work:

- Development of detailed design documentation;
- Copyright supervision after the construction

Works commencement period: 2019 – 2020

CONSTRUCTION OF A MULTIFUNCTION COMPLEX NEST ONE ON THE TERRITORY OF IBC TASHKENT CITY

End Customer: MURAD BUILDINGS

General contractor: OZGUVEN TASARIM MIMARLIK INSAAT SANAYI VE TICARET A.S.

Scope of work:

- Development of the Special technical conditions (STC) and approval and technical support of the Customer during the process of endourcement;
- Development of additional calculations for the STC, if required;
- Revision of the detail design documentation for the compliance with the norms and requirements of the legislation of RUz and provision of the recommendations to the developed detail design documentation in the form of comments in English;
- Support during development of detailed design and analysis of design solutions used by the Customer;
- Support during expert review of detailed design developed under the Project in Ministry;
- Design of all the connections to the external communications (connection to the gas, water and electric supply networks, etc.).

Works commencement period: 2019 – 2021

CONSTRUCTION OF THE COMBINED CYCLE POWER PLANT IN SYRDARYA PROVINCE, SHIRIN CITY OF 2868 MW

End Customer: ACWA POWER

General contractor: China Energy Engineering Corporation Co., LTD

Scope of work:

- Support during development and adaptation of the General layout plan.
- Adaptation of the basic project and the detail design;
- Consulting support of the Customer.
- Development of industrial safety declaration (local analogue of HAZOP).

Implementation period: 2021-2023.

CONSTRUCTION OF TPP IN TASHKENT OF 64 MW. COGENERATION PROJECT.

End Customer: State Joint Stock Enterprise “Uzbekenergo”

General contractor: Çalik Enerji

Scope of work:

- Adaptation of the basic project and the detail design;
- Development of the OSY 110kV part
- Development of industrial safety declaration (local analogue of HAZOP).
- Development of the Environmental impact assessment / Environmental Impact statement
- Development of the Category Calculation

Implementation period: 2022-2023.

CONSTRUCTION OF 2 CCPP AT TALIMARJAN TPP OF NOT LESS THAN 900 MW

End Customer: State Joint Stock Enterprise “Uzbekenergo”

General contractor: Çalik Enerji

Scope of work:

- Adaptation of the basic project and the detail design;
- Development of industrial safety declaration (local analogue of HAZOP).
- Development of the Environmental impact assessment / Conclusions.
- Development of the Category Calculation.
- Development of Fire extinguishing and fire alarm systems

Implementation period: 2023-2026

CONSTRUCTION OF WASTE WATER TREATMENT STATION IN ANGREN TOWN (100 000 M³/DAY)

End Customer: JV “Uzsuvtaminot”

General contractor: Alkatas Insaat Ve Taahhut A.S. and MESMER-VOSTOK, JV

Scope of works:

- Development of RD

Implementation period: 2023-2026

CONSTRUCTION OF TREATMENT FACILITIES IN BEKABAD CITY (60 000M³/DAY)

End Customer: JV “Uzsuvtaminot”

General contractor: Alkatas Insaat Ve Taahhut A.S. and MESMER-VOSTOK, JV

Scope of works:

- Development of RD

Implementation period: 2023-2026

“PLASMA HAEMATOLOGICAL CENTER” AND “CENTRAL PHARM FREEZER-WAREHOUSE”

End Customer: “HAEMALOGIC” LLC

Scope of works:

- Development of RD
- Plot plan and transport,
- Utilities,
- Process solutions,
- Architectural and construction solutions,
- Instrumentation and control,
- Electrical part, other sections of the project,
- Firefighting automatics, security, fire and security-fire annunciation system

Work implementation period: 2022-2024

CONSTRUCTION OF CENTRAL PROCESSING FACILITY (CPF) COMPLEX AND DEVELOPMENT OF KANDYM GROUP OF FIELDS. STAGE II

End Customer: LUKOIL

General contractor: PU NIPI HG “PETON”

Scope of works:

- Development of DD;
- Designer supervision;

Work implementation period: 2023-2025

PROJECT ON INTEGRATED ECOLOGICAL HYDROGEN (3000 tonnes per year) AND WIND POWER PROJECT IN UZBEKISTAN (GH2) AT THE MAXAM-CHIRCHIQ PLANT, CHIRCHIK CITY, TASHKENT REGION.

End Customer: ACWA POWER

General contractor: “SINOHYDRO TASHKENT” LLC.

Scope of works:

- Adaptation of the Fire alarm and fire extinguishing system (automatic and fire-ring type),
- Fire alarm and extinguishing system (automatic and fire-ring type) and Heating, Ventilation, and air conditioning under “turn key”.

Work implementation period: 2024-2025

NAVOI THERMAL POWER PLANT MODERNIZATION PROJECT (PHASE 3)

General contractor: 3AB Energy

Scope of work:

- Adaptation of project documentation
- Detailed design development (optional)

- Assistance during expert review by host authorities.

Work implementation period: 2024-2025

INTELLIGENT TRANSPORT SYSTEM FOR THE ROAD SECTION ON 100 KM ROAD SECTION (K183 TO K283) OF A373 HIGHWAY ROUTE (KAMCHIK ITS) PROJECT

General contractor: « CHINA MACHINERY ENGINEERING CORPORATION» PE

Scope of work:

- Adaptation
- Administrative and technical support during Expertise in Ministry of Construction
- Design of the civil part, electrical supply, FOCL, Fire alarm, Fire Fighting and Fire protection system, existing building interior design
- Engineering-geodetic surveys
- Author's supervision

Work implementation period: 2024-2025

DEVELOPMENT OF DESIGN OF PROVISION OF ADDITIONAL SOURCES OF POWER SUPPLY TO FACILITIES OF COMPRESSOR STATION UCS3 AND BMGMC OF UZBEKISTAN-CHINA GAS PIPELINE.

General contractor: “Asia Trans Gas” JV LLC

Scope of work:

- Basic Design
- Feasibility study
- Detailed Design for construction
- Development of the Industrial Safety Chapter
- Fire safety
- Environmental Impact Assessment (EIA), Environmental Impact Statement (EIS)
- Topographic & Geotechnical survey (if required)
- Construction works organizational plan
- Cost estimate
- Technical support during expert review of the Design Documentation by authorized bodies (MOC, Industrial Safety Expert review, State Nature Protection Expert review, Institute of Seismology Expert review)
- Designer’s site supervision

Work implementation period: 2024-2025

DEVELOPMENT OF THE DETAILED DESIGN «COLLECTING OF VENTED NATURAL GAS FROM THE DISCONNECTED SECTION OF THE MAIN GAS PIPELINE»

General contractor: “Asia Trans Gas” JV LLC

Scope of work:

- Basic Design
- Feasibility study
- Detailed Design for construction
- Development of the Industrial Safety Chapter
- Fire safety
- Environmental Impact Assessment (EIA), Environmental Impact Statement (EIS)
- Topographic & Geotechnical survey (if required)
- Construction works organizational plan
- Cost estimate
- Technical support during expert review of the Design Documentation by authorized bodies (MOC, Industrial Safety Expert review, State Nature Protection Expert review, Institute of Seismology Expert review)
- Designer's site supervision

Work implementation period: 2024-2025

CONSTRUCTION OF HOTEL, AN APARTMENT BUILDING WITH RETAIL FACILITIES, CONSUMER SERVICES AND A RESTAURANT ON ITS OWN LAND PLOT, "TASHKENT RITZ-CARLTON" PROJECT, TASHKENT CITY.

General contractor: "PD ESTATES" FE LLC

Scope of work:

- Adaptation of project documentation
- Development of the Special technical conditions (STC) and approval and technical support of the Customer during the process of endorsement;
- Designer's site supervision

Work implementation period: 2024-2027

**ANDAKLI AND TAILAK NEW WELL SITE LOCATIONS (BUKHARA REGION)
"EXPANSION OF THE TAYLAK-48 AND ANDAKLI-16 FIELDS"**

General contractor: FE LLC "CONDOR ENERGY DEVELOPMENT"

Scope of work:

- Topographic & Geotechnical survey
- Development of the Electrical part (Construction of overhead line-6 kV, Installation of complete transformer substation-6/0.4kV and on-site networks of 0.4kV)
- Technical support during expert review of the design documentation by authorized bodies.
- Designer's site supervision

Work implementation period: 2025-2026

CONSTRUCTION OF THE NEW UZBEKISTAN UNIVERSITY

General contractor: OZGUVEN TASARIM MIMARLIK INSAAT SANAYIVE TICARET ANONIM SIRKETI (Turkey)

Scope of work:

- Adaptation of project documentation
- Design of the civil part, electrical supply, FOCL, Fire alarm, Fire Fighting and Fire protection system, existing building interior design
- Development of Special Technical Specifications (STC), if necessary, as well as coordination and technical support of the Customer during the approval process;
- Designer's site supervision

Work implementation period: 2025-2026

500 KV DOUBLE CIRCUIT KARAKUL-NURABAD OHL PROJECT (260KM)

General contractor: "UET CONSTRUCTION" LLC

Scope of work:

- Adaptation of project documentation
- Technical support during expert review of the design documentation by authorized bodies.
- Development of the Construction Organization Plan
- Designer's site supervision

Work implementation period: 2025-2026

POST-CONSTRUCTION BIRD AND BAT FATALITY MONITORING FOR ONSHORE WIND ENERGY FACILITIES FOR THE 500 MW BASH WIND POWER PROJECT IN UZBEKISTAN (RESEARCH ON METHODS TO REDUCE THE IMPACT OF WIND TURBINES ON BIRD POPULATIONS)

General contractor: ACWA POWER BASH WIND LLC

Scope of work:

- Study of bird mortality after the completion of the Wind Farm

Work implementation period: 2025-2026

100 MW GAS PISTON ENGINE DRIVEN ELECTRICITY GENERATOR AND HEAT EXCHANGER POWER PLANT (TC-4)

General contractor: "UET CONSTRUCTION" LLC

Scope of work:

- Development Detailed Design
- Technical support during expert review of the design documentation by authorized bodies.
- Author's supervision

Work implementation period: 2025-2026

THE DZHANKELDY 500 MW WIND FARM-GREENFIELD INDEPENDENT POWER PROJECT IPP

General contractor: ACWA POWER DZHAKELDY WIND FE LLC

Scope of work:

- Construction Management services
- State acceptance coordination for the project

Work implementation period: 2025-2026

THE BASH 500 MW WIND FARM-GREENFIELD INDEPENDENT POWER PROJECT IPP

General contractor: ACWA POWER BASH WIND FE LLC

Scope of work:

- Construction Management services
- State acceptance coordination for the project

Work implementation period: 2025-2026

CONSTRUCTION OF A 20 MW /100MW/120MW SOLAR POWER PLANT ON ADJACENT TERRITORIES OF THE FERGANA/TURAKURGAN/MUBAREK THERMAL POWER PLANTS

Customer: JSC 'THERMAL POWER PLANTS' (Uzbekistan)
 CONSORTIUM OF CHINA MACHINERY ENGINEERING CORPORATION "CMEC" (China) and
 TAŞYAPI İNŞAAT TAAHHUT SANAYİ VE TİCARET A.Ş." (Turkey)

Scope of work:

- Development of a feasibility study (FS) and a Grid Impact Study (GIS)

Work implementation period: 2025-2026

«AIR SEPARATION UNIT AT “NAVOIYAZOT” JSC»

Customer: «JV «LINDE-NAVOIY» LLC»

Scope of work:

- Local engineering
- Adaptation of project documentation
- Technical support during expert review of the design documentation by authorized bodies.
- Author's supervision

Work implementation period: 2025-2027

NEW WELL SITE KUMLI GAS FIELD PROJECT "EXPANSION OF THE KUMLI FIELD IN THE KARAKUL DISTRICT OF THE BUKHARA REGION"

General contractor: FE LLC "CONDOR ENERGY DEVELOPMENT"

Scope of work:

- Topographic & Geotechnical survey
- Development of project documentation
- Detailed design documentation package
- Technical support during expert review of the design documentation by authorized bodies.
- Designer's site supervision

Work implementation period: 2026y.

SAZAGAN SOLAR 1 CONSTRUCTION OF A 500 MW SOLAR PHOTOVOLTAIC POWER PLANT, A 334 MW BATTERY ENERGY STORAGE SYSTEM, AND A SUBSTATION FACILITATING ITS OPERATION IN NURABAD DISTRICT, SAMARKAND REGION

General contractor: "LARSEN AND TOUBRO CIS" FE LLC

Scope of work:

- Engineering Design Services
Common Pooling Station (SS Control building, Pumphouse, Guardhouse-1, Substation)
- Engineering Design Services
500 MWh BESS – 1 (SS Control building, Pumphouse, Guardhouse-1 & 2, Warehouse, Substation)
- Technical support during expert review of the design documentation by authorized bodies.

Work implementation period: 2026-2027

SAZAGAN SOLAR 2 CONSTRUCTION OF A 500 MW SOLAR PHOTOVOLTAIC POWER PLANT, A 334 MW BATTERY ENERGY STORAGE SYSTEM, AND A SUBSTATION FACILITATING ITS OPERATION IN NURABAD DISTRICT, SAMARKAND REGION

General contractor: "LARSEN AND TOUBRO CIS" FE LLC

Scope of work:

- Engineering Design Services
500 MW PV (SS Control building, Pumphouse, Guardhouse-1 & 2, Warehouse, Substation)
- Engineering Design Services
500 MWh BESS – II (SS Control building, Pumphouse, Guardhouse-1 & 2, Warehouse, Substation)
- Technical support during expert review of the design documentation by authorized bodies.

Work implementation period: 2026-2027

NEW WELL SITE KUSHIMCHA KSH-11 KSH-12 GAS FIELD PROJECT "EXPANSION OF THE KUMLI FIELD IN THE KARAKUL DISTRICT OF THE BUKHARA REGION "

General contractor: FE LLC "CONDOR ENERGY DEVELOPMENT"

Scope of work:

- Topographic & Geotechnical survey
- Development of project documentation
- Detailed design documentation package
- Technical support during expert review of the design documentation by authorized bodies.
- Designer's site supervision

Work implementation period: 2026y.

1000MW SOLAR PV PROJECT LOCATED IN SAMARKAND (SAMARKAND-1&2 – PV + BESS PLANT)

General contractor: "LARSEN AND TOUBRO CIS" FE LLC

Scope of work:

- Fire alarm and extinguishing system (automatic and fire-ring type) and Heating, Ventilation, and air conditioning under “turn key” (Design, supply, installation, testing and commissioning of complete firefighting systems such as fire hydrant, sprinkler, water spray, FM200 gas suppression, fire extinguishers, Fire Detection & Alarm systems).
- Technical support during expert review of the design documentation by authorized bodies.

Work implementation period: 2026-2027

CONSTRUCTION OF A BOOSTER COMPRESSOR STATION AT THE KUMLI FIELD IN BUKHARA REGION

General contractor: HIMILE MECHANICAL MANUFACTURING (SHANDONG) CO., LTD.

Scope of work:

- Topographic & Geotechnical survey
- Technical support during expert review of the design documentation by authorized bodies.

Work implementation period: 2026-2027