THE ACTIVITIES

- Water resource investigation and survey
- Water supply for energy, industry and mining
- Ground water level lowering system and water treatment pond
- Geodesy, mapping and geotechnical investigation
- Urban water supply, sewerage and waste water treatment
- Livestock watering and agricultural irrigation
- Flood control and coastal engineering
- Solar, wind, and hydro energy
- Water treatment and purification technology
- Water fountain and water park

WORKS & SERVICES

- Project and Feasibility study Development
- Design & Technical solutions
- Construction
- Water resource investigation
- Equipment selection & Supply
- SCADA for Water Supply Systems
- Water Equipment Installation & Supervision
- Water Equipment Testing & Adjustment
- Water Equipment Repairing & Maintenance
- Water Equipment Trade & Distribution
- Consulting & Training

1993 onд үүсгэн байгуулагасан

Established in 1993
• To introduce new technology to Mongolia for water engineering based on cooperation and establishing dealer relationships with world leading companies in the field.
• To widely utilize modern technology, equipment, and advanced software for computer aided design and hydraulic analysis.
• To apply and advance the latest developments in Information Technology, including the Internet, to access worldwide sources of trade and technical information.
• To develop efficient cooperation with government, non-government, scientific and business organizations which are active in water-related fields.
PRESTIGE GROUP

GRUNDFOS, Denmark
A Leader of Pumps technology and manufacturer of a wide range of high quality pumps for industry, water supply, waste water and dosing.

NOV Fiber Glass Systems is the leading worldwide manufacturer of fiberglass reinforced epoxy pipe products used primarily for onshore and offshore corrosion control in a variety of low to high pressure applications. Bringing over 60 years of time tested composite pipe experience to the Oil and Gas, Chemical and Industrial, Marine, Offshore and Fuel Handling markets. Our broad range of temperatures, pressures and corrosion barriers

SAINT-GOBAIN PAM, France
The World leading manufacturer and exporter of ductile iron pipe systems, including pipes, fittings, hydrants, valves, couplings and street fixtures.

FLOWSERVE, U.S.A
Flowserve moves, controls and projects the flow of materials in some of the world’s most critical industries to help customers exceed their business goals.

CLA-VAL, U.S.A
A wide range of automatic control valves used for control of water levels in reservoirs, pressure reducing, rate of flow control, booster pump control, pressure relief and pressure sustaining applications.

Milton Roy, U.S.A
Various kinds of liquid metering and dosage pumps and accessories for uses such as water chlorinating and chemical dosing.
PRESTIGE GROUP

CHINAUST, China-Austria
PE and HDPE water and gas transmission pipes, fitting and accessories extruded from high quality raw materials.

WIKA, Germany
Pressure and temperature measurement solutions and hightech production in modern production facilities in many countries worldwide.

KRÖHNE, Germany
KRÖHNE offers a wide variety of process measurement instruments as magnetic, ultrasonic, mass and vortex flow meters, level meters temperature and pressure meters.

DANFOSS, Denmark
It offers to customers worldwide the most comprehensive range of self acting and actuated valves for selected applications.

BEIJING BERGEY WINDPOWER, U.S.A-China Bergey Windpower is one of the world’s leading suppliers of small wind turbines, it takes pride in offering advanced technology products for clean energy.

ITT FLYEYGT, U.S.A
The global Wastewater transport campaign is about to position ITT and Flygt products as the undisputed leader in wastewater handling.

SMEC, Australia
SMEC provides multidisciplinary consulting services in engineering, project management, environmental science and development activities, SMEC has been engaged in assignments throughout the world for 30 years.

CTI ENGINEERING, Japan
CTI Engineering has experienced in such a fields as flood control, water resources development, dams, water supply and sewerage, port and coastal engineering, environmental assessment, geotechnical engineering and waste treatment.

SCHNEIDER ELECTRIC, France
Schneider Electric, the global specialist in energy management offers integrated solutions to make energy safe, reliable, efficient and productive for the Energy & Infrastructure, Industry, Data Centres & Networks, Buildings and Residential markets.
WATER RESOURCES AND UTILIZATION OF MONGOLIA

It is estimated that the total water resources of Mongolia are 609.5 km³, comprised of 597.5 km³ of surface water and 12 km³ of underground water. Surface water is made up 500 km³ (83.3%) in lakes, 62.9 km³ (10.5%) in glaciers and ice caps and the remaining 34.6 km³ (5.8%) in rivers, streams and other small sources.

60% to 70% of annual average river flows cross national borders, and the rest penetrates to the ground and feeds underground water, or it evaporates. Evaporation has increased in the last few years and now exceeds the annual precipitation.

Annual average resources of the rivers accumulated in Mongolia are 30.6 km³, however it would be 34.6 km³ if the flow of rivers to the Russian Federation and Peoples Republic of China could be included. Only 22% of water resource accumulation is in the arid and steppe areas that have a deficit of surface water, which occupy 70% of the total land area. 78% of total water resource accumulation is in the remaining 30% of the land, which consists of humid and mountainous areas.

In the steppe and Gobi areas, underground water resources are scarce, and they require a long time for replenishment, which makes them less desirable for exploitation. Therefore to meet the consumers’ water demand, there is a need to develop surface water resources that recover quickly, as is done in other developed countries.

Presently Mongolia supplies 90% of total water demands from underground water resources that are ecologically vulnerable, and recover slowly. It is highly desirable to set a goal to reduce supply from underground sources to 55% to 65% of water demand in 2010 to 2015, and to 50% in 2015 to 2025.

It is possible to built dams and reservoirs to regulate flow on the Orkhon, Kherlen, Tuul, Onon, Zavkhan, Khalkh, Kharkhiraa, Turgen, and Khovd Rivers for the appropriate and economical and economic use of water resources, and restoring the natural balance by supplying surface water to large water consumers, such as energy, mining and other industries, and agricultural uses for crop irrigation and livestock watering.
LONG DISTANCE PIPELINE PROJECT

TUUL-ULAANBAATAR PROJECT

Tuul gõlõn ékolõgjûn uraçgõń bûrdãlúb hõl tûsðhch ñûchûlûs ñûçgîlûs hâlômõjûk. Ulaanbaatar hõtûn ñû hângâmg tûnûhûn dûtor gãr hõrõõlõlõn shûnõñ teññövleñtûlûs bûs, DCS-5, shinçõr bårìdrâh Xoçhítûtûn hõndûtnõh nîsîc hùðûd, tûnûhûn dàgàsh “uññãllât” hõtûn hângâmgjûn ñûçgûlûs ñûñûylûs; Nuûsénm hõtût yûrûlûs ñûçgûlûs hâmgûlûs;

Uûsân sànd hùrmîmûltûsd sàns ñûchûg nûshûlûg hâçhîllã hûrûmûlûs ñûçgûlûs; Ñûd ñûchûg ñûsàn hângâmgjûs yûlûyçûlûs hûsàn hângâmgjûtûs tûsåd nû shûnûylûsûlûsûlûs yûlûyçûlûs õhûgûjûs tûlûtûg hûrûd. Ñûsên tûûlûn, ñûsàn sànd hûûmûlûs 80 km, 2-ðhûsàn sûnd nû 63 km ñûçgûlûs bûyûllûn.

1-ðhûsàn sàngûhûs ñûd ñûchûg hûrûmûltûsûg “måsh çàvûr” ñûsûg, 2-ðhûsàn sàngûhûs yûlûyçûlûs hûrûmûltûsûg “çâvûr” ñûsûg tûs “Shîlûå hûçhîtûsèn hûwûçtûn hûlûlûs” ñûçgûlûn ñû dâmûuûlûs õhûs shûguhûsûr Ulaanbaatar hõtûn hûyd hûstûn hûnûrûlûsûg õûlûs ëngûlûs bûyûllûlûlûs 2 ñûsàn sànd hûûrûs.

TUUL ULAANBAATAR PROJECT

Forming ecological run off of the Tuul River and prevent from danger of river disappearance. Solving water supply issues for the Ulaanbaatar City, in particularly the region for the new ger area planning, Heating Power Station –5, New airport at the “Hoshigiin Hodii” and its “Smart city”; Protect Municipal city from floods; Produce electricity using the collected water in the reservoir; Separate solution for potable water and industrial water supply shall form pleasant condition for industry development; Develop tourism and water sport; Improve air quality by suppressing smoke and dusting from the evaporation from reservoir at the upper side of the Ulaanbaatar City.

Technical indicators of the project

Volume of the 1st reservoir to collect maximum flood water is 274 million m³, dam height is 40m, volume for the 2nd reservoir is 405 million m³, height of the dam is 37m. The first reservoir is located at 80 km and the second one is at 63 km from Ulaanbaatar City.

Pure water will be supplied from the first reservoir for potable and domestic water use and clean water will be supplied from the second reservoir for industrial water use through double Glass Fiber Reinforced Epoxy pipeline to two water reservoirs located at the north crest of the Ulaanbaatar city.
“ОРХОН-ГОВЬ” WATER SUPPLY PROJECT

We have been undertaking following works for the “Orkhon-Gobi” project by the order of Mongolian National Water Center:

- Geotechnical surveys
- Topogeodesy surveys
- Geophysical investigations and surveys
- Completed hydro-technical investigations and surveys
- Developed general technical solutions
- Implemented pre-feasibility study

Following works are proposed to be done under the “Orkhon-Gobi” project:

- 730 million m³ water reservoir by regulating Orkhon river flow;
- 25 mW hydropower station, 70 m high and 300 m long concrete dam, water intake structure and fish ladder;
- Seven or eight pump stations and 920 km long main and distribution pipeline with 200 mm to 1500 mm diameter which passes through two large cities and ten more soums and supplies water to 50 farms;
- 7 to 8 pump stations;

We implemented Terms of reference of feasibility study for this project financed from World bank in 2014.
The objective of the this project is to divert water from the
Herlen River to regulate flow and to build hydro dam in order
to collect water in reservoir volume of 300-350 million m³ and
supply it to users by means of a pipeline network. Main water
transmission pipeline routes have several alternatives conducted
on geography, infrastructure and location of water users and
5 to 6 pump stations.

The hydro technical facilities include such plants with
each purposes water reservoir with earth and stone dam, hydro
power plant, water collector, bottom water outlet, automated
water outlet, fish transporting plant and etc. This multi-purpose
dam project would provide regular surface water usage and
protection. Especially, above arrangement is significant to
increase water resource except regular usage and protection,
and supply water to users.
“ТАЙШИР-АЛТАЙ” УС ХАНГАМЖИЙН ТЕСӨЛ

Алтай хотын одоо ашиглаж байгаа ус хангамжийн усны төсөл байгуулагч, малгийн харьцаа алдагдсан, хүний зруул мэндэд мугаар нөлөөлж байгаагаас гадна усны төсөл хэмжээ ар нөөцийн хэмжээнд дагаад хандагийн байна. Урд омнон газрын дундаж усны өрчлөлтүүл нь толгой бөгөөд хөрөнгөөгүүнүн төсөл хэргжүүлж, ирээ болно. Хөрөнгөөгүүнүн төсөл, чанарын шаардлагыг хангах эк үүсвэр тогтоож чадахгүй байсан аюул хүрсэн.

Дээрх асуудлыг шийдвэрлэхийн тулд нэг энэт баригддаг ашиглаж байгаа Тайширын УЦС-ын усан сангаас зэрэгчийн далд байгууламж байгуулж авч 53 өрчим км үрт 250мм голчтой далд ёлдан хоолойгүүр дамжуулж, Алтай хотод хэрэгтэй байсан усны өрчлөлтийн гэрчлээгүүнүн төсөл нь 2030 оны түвшинд 47.8 л/сек, 2040 оны түвшинд 70.8 л/сек болуу 1.26 сая.м³/жил, 2040 оны түвшинд 7.8 л/сек болуу 1.86 сая.м³/жил болно.

Үүний Завхан голын өлөгийн дундаж усны устаг хэрэглэх нь Тайширын УЦС-ын усан сангааны ашиглалтын загварын 0.3% нь, усны сангааны байна гэдэг усан сангааны өлөгийн хэмжээн харьцуулахад 0.13% болж байгаа нь үрд авч усан сангааны усны сангааны зэрэгчийн ашиглалтын загварын 20-30 дахин бага байгаа нь хэрэглэх нь усан сангааны тодорхойлийн зэрэгчийн үрд байна вэ гэдэг нь тодорхой юм.

“ТАЙШИР-АЛТАЙ” WATER SUPPLY PROJECT

Present water source of Altai city is not meeting the standards of the public potable water supply, the ratio of calcium and magnesium is improper and the amount of water resource is unable to meet present requirements. Thus it has adverse impact on human health. Though many survey and investigation projects for underground water were held over the past years have not found any resources meeting the water quality standard. In order to resolve the question it was decided to pump water from the Taishir water reservoir by the coastal water intake structure and transmit it to Altai city through 52.8 km long underground pipeline.

In order to solve the above mentioned issues, proposing to build coastal intake structure to filtering water from the existing Taishir Hydro Power Station and transfer water to Altai city through underground pipeline.

Demands of the water points along the Altai city and pipeline alignment will be 47.8 l/sec or 1.26 million m³/year in the year 2030 and 70.8 l/sec or 1.86 million m³/year in the year 2040. As the average flow of many years is 12.0 m³/sec, the total project consumption will be respectively 0.4 % and 0.59% of the flow, 0.3% and 0.44 % of the utilisable volume of Taishir hydro-power plant reservoir, 0.13% and 0.19% of the total volume of the reservoir which will not affect the amount of water in Taishir reservoir.

Also, the yearly evaporation from Taishir reservoir is 700 mm which is 20 to 30 times lesser than 36.4 million m³/year.
Our company implemented a Water Supply project for the Boroo Gold ore processing factory including project design, procurement of equipment, pipelines and equipment installation and subsequent commissioning. This system consist of 5 deep wells of 28-50l/s yield, 12.5km water transmission pipeline, an intermediate water reservoir of 200m3, a booster pump station having a head of 280m and a flow of 430m3/h and SCADA control system operating in full automatic mode.

We have been succesfully implemented following Projects:

• Equipment supply to the Ground Water Lowering Project of Shivee-Ovoo Coal Mine
• Construction of industrial water supply system for “APU” factory.
• Ground Water Lowering Project of “Togrog Nuur” Coal Mine.
“ОЮУ ТОЛГОЙ” ТЕСЛИЙН УС ХАНГАМЖ

• Оюу Толгой нийслэлийн уг хангамжийн ТЭЗҮ, яндад хоолойн теслийн үнэлгээ
• Австралийн СМЭК компаниийн хамт түүх Oyu Tolgoi уг хангамжийн систем, яндад хоолойн техникийн теслэл
• БНХАУ-ын Инжиниринг, зураг теслийн YREC компаниийн хамт Oyu Tolgoi уг хангамжийн систем, яндад хоолойн ажлын зураг теслэл
• Дэлхийд амдартай Данийн Грунфос фирмийн насос төрлүүлүүлэх систем, амдартай төвөг төрөл, сервис угсрах уул уурхайн үйлдвэр

WATER SUPPLY OF “OYU TOLGOI” PROJECT

• Oyu Tolgoi feasibility study of Water Plant and Pipeline Design Assessment
• Oyu Tolgoi Raw Water Pipeline Basic Engineering Design, in co-operation with SMEC International, Australia
• Oyu Tolgoi Raw Water Pipeline Detail Design, in co-operation with Yellow River Engineering and Consulting Co., Ltd, China
• Supply, Installation and Service for pump and equipment of Grundfos, Denmark

ОЮУ-ТОЛГОЙ УУЛ УУРХАЙН УЙЛДВЭРЭРІЙН УС ХАНГАМЖИЙН СИСТЕМ

RAW WATER SUPPLY SYSTEM FOR OYU-TOLGOI PROJECT
THE WATER SUPPLY FOR STAFF CAMPUS IN EREEN COAL MINE

A company implemented and commissioned water supply system of staff campus in Ereem coal mine located in Bayanjargalan soum, Dundgobi province including detail design and construction. This system includes:

- Two borewell, capacity of 4 m³/h
- Water transmission pipeline - 9.2 km. Herein, OD90 PN16 pipes are 2.4 km long and OD110 PN16 pipes are 6.8 km long.
- Cast concrete water tank has capacity of 250 m³
- 10kV power transmission line - 9.2 km and 30kVA substation for Borewells
- Water treatment plant has capacity of 8 m³/h which includes quarts sand filter, activated carbon filter, protection filter, RO system and UV disinfection equipment and Raw water tank volume is 48 m³

PRESTIGE GROUP 13
Mардайн ураны уурхайн ус тунгаагурын ажлын зураг төсөл, барилга үгсэрлэлт

• Ураны уурхайн ус тунгаагурын зураг төсөл
• Гео-текстиль, гео-мембран зэрэг орчин уейин технологи ашиглан уйлдвэрлэйн бокир усыг тунгаан дахин ашиглах, харсийн бокирдоос хамгаалах тунгаагурыг барых байгуулсан болно.

DETIAL DESIGN AND CONSTRUCTION OF WATER TREATMENT POND OF MARDAI URANIUM MINE

Detailed design and installation of Water treatment Pond for Mardai Uranium Mine

• Design of the water treatment pond
• Construction of the waste water treatment pond using modern technology as geo-textile and geo-membrane specially designed for industrial water treatment, recirculation and prevent the land pollution.

Петрохайна Дачин Тамсаг XXK-ийн талбайн цэвэрлэх байгууламжийн зураг төсөл, барилга үгсэрлэлт

• Петрочайна Дачин Тамсаг (Монгол) XXK-ийн захийлгаар Тамсагийн XIX талбайн кемпийн ахуйн бокир усыг цэвэрлэх байгууламжийн зураг төсөл болохсурлуулж, барых байгуулж байдна.

Design and construction of treatment plant in the site of Petrochina Dachin Tamsag Co., Ltd

• Design of treatment plant for domestic wastewater in the site camping and execute the construction in the Tamsag site 19 by the order of Petrochina Dachin Tamsag (Mongolia) Co., Ltd.
PRESTIGE ENGINEERING Co., Ltd has collected advanced experiences in Urban Water Supply and below are a few selected projects:

- Design, equipment procurement, installation, supervision and operator training for drinking water projects in Nisekh-Yarmag, Sharkhad, Khailaast and Denjiin 1000, Tolgoit and Bayankhoshuu ger areas of Ulaanbaatar.
- Control equipment for a main potable water pipeline of Ulaanbaatar.

- Улаанбаатар хотын Ус хангамжийн системийн Завсрын усан сангийн ус хлоржуулалтын систем.
- Баганuur хотын ус хангамжийн гол шугам дээр сурилцолын ус хлоржуулах системийн зураг төсөл, тоног төхөөрөмж угсралт.
- Chlorination system for the Intermediate Reservoir of the Ulaanbaatar Water Supply System
- Design and Installation Chlorinating System at Baganuur city’s drinking water distribution mains.

- Дервэн урилрьн цэцэрлэг орон суушны хорооллын ус хангамж, ариуутах татуургын сулжээ болон борооны ус заилуулах системийн зураг төсөл.
- A design of potable water supply, waste water and flood water drainage pipe network for Four Seasons Garden area.
• Улаанбаатар хотын шинээр барилгажих талбай I хороолол - Орбитын орон суушны хорооллын унд ахуйн усан хангамж, бохир ус зайлуулах шугам, усан сан, ерөнгийн насос станцийн зураг төсөл.

• Design of a Main Potable and Sewerage Pipeline, Booster Pump Station, Water Reservoir of the I district - Orbit of Ulaanbaatar city.

Монгол улсын Засгийн газрын үйл ажиллагааны үйлдвөрт тусгагдсан 40000 орон сууц хотолборийн хэрэгжилтэй "Улаанбаатар хотын I хороолол - Орбитын чиглэлээр цөөрөгч бөхир усны шугам, ерөнгийн насос станци, усан сангийн зураг төсөл”, "Улаанбаатар хотын Баянголын амнаас Найрмадан зуслан хуртын цөөрөгч бөхир ус, дураны шугамын угсартлын ажлын зураг төсөл хийж үйлдвөртэй юм."

Уг зураг төсөл 75600 мянган үсэн ам оршин сууц хорооллын ус хангамж, ариутгах татуургын шугам сулжээ, ерөнгийн насос станци, усан сангийн барилга байгуулагчийг шийдвэрлэсэн юм.

• Азийн хөгжлийн банкны "Орон нутагийн хотуудын нийтийн аж ахуйн хөгжүүлэх" төсөлön үүрэнд манай улсын 10 томоохон аймгийн төвүүдийн, тухайлбал, БАРУУН-УРТ, БУЛГАН, ЧОЙБАЛСАН, ДАЛАНzagad, МАНДАЛГОВь, ОНДОРХААН, САЙНШАНД, ЧЭцЭРЛЯГ, АЛТАЙ, БАЙНХОНГОР хотуудын ус хангамжийн систем, бөхир усын болон ус ариутгах системийн төөнөө технолог, технологийн шинэчлэлийг үйлдвөртэй байлна.

• The Integrated Development of Basic Urban Services in Provincial Towns Project has been covered ten provincial capitals of Mongolia named BARUUN-URT, BULGAN, CHOIBALSAN, DALANDZAGAD, MANDALGOBI, ONDORHAAN, SAINSHAND, TSETSERLEG, ALTAI, BAYANKHONGOR and Prestige Engineering renovated technology for Water Supply, Sanitation & Waste Management of above provincial towns.
Water Supply, Sewerage and Solid Waste Management Improvement in Ger district of Erdenet City

The project consultancy covers:

- Improvement of water supply
- Improvement of the Sewage Network
- Improvement of solid waste management for Ger district of Erdenet city.
- Water Supply and Sewerage system Altai City

ЭРДЭНЭТ ХОТЫН ГЭР ХОРООЛЛЫН УС ХАНГАМЖ, АРИУТГАХ ТАТУУРГА, ХУУРАЙ ХОГ ХАЯГДЛЫН МЕНЕЖМЕНТИЙГ САЙЖРУУЛАХАД ТӨСӨЛ

Энэ төслөр

- Эрдэнэт хотын гар хорооллын ус хангамжийг сайжруулах
- Ариутгах татуургын сулжээг татууруулах
- Хуурай хох хаяалын менежментийг сэргийлэн татууруулах арга замыг тодорхойлоход зөвлөх үйлчилгээг зууулах.
- Говь-Алтай аймгийн Алтай хотын ус хангамж, ариутгах татуургын системийн зураг төсөл

Дэлхийн банкны санхүүжилтээр Улаанбаатар хотын нийтийн ж. а. ахуйт хорооллын 2-р төслийн хүрээнд Хайлаастын насос станцын шинэчлэлийн ажил хийж гүйцэтгэс байна.

Үнд:

- Насос станцын ажлын зураг
- Насос станцын төхөөрөмж, дагалдах холбох хэрэгтэй хэрэгсэл нийлүүлэт, уг ырын
- Насос станцын барилга болон цахилгаан холбогдох ажил
- Цахилгааны дэд өрөөний шинэчлэлийн ажил
- Сургалт, зоологөө

"Rehabilitation of the Khailaast pump station" project under the "Second project for Ulaanbaatar city service improvement", invested by the World Bank:

- Shop drawing for pump station
- Supply and installation of the pumps, equipments and the fittings;
- Construction and electricity connection for the pump station
- Rehabilitation of the power sub-station
- Consulting and training
In accordance with “THE PROJECT FOR IMPROVEMENT OF WATER SUPPLY FACILITIES IN DARKHAN CITY”, we are executing following works on the wells of 1st booster pump station of water supply system in Darkhan city.

- Design for the pipeline of borewells
- Supply of Grundfos submersible pumps, valves, fittings and pipe etc.
- Installation work of submersible pumps, control panel and indoor pipings

In accordance with “THE PROJECT FOR IMPROVEMENT OF WATER SUPPLY FACILITIES IN DARKHAN CITY”, we are executing following works on the wells of 1st booster pump station of water supply system in Darkhan city.

- Design for the pipeline of borewells
- Supply of Grundfos submersible pumps, valves, fittings and pipe etc.
- Installation work of submersible pumps, control panel and indoor pipings
Water resource investigation and Design of the Zamiin-Uud Water supply system consists of:

- An investigation of the water resources
- Water exploration and pumping
- Water purification
- Distribution network
- Water treatment and re-circulation.
DETAIL DESIGN FOR WATER SUPPLY AND SEWERAGE SYSTEM IN ZUUN MOD CITY

The term of references for detail design of rehabilitation of Pump station 1 and 3 and recycling water technology is performed. The work included detail design for water transmission pipeline of 94-96% treated recycling water uses for thermal plant and half coked coal processing plant, pump station, related equipment and plants in Zuunmod city and old water transmission pipeline of potable water.

DETAIL DESIGN FOR WATER SUPPLY AND SEWERAGE SYSTEM IN SUKHBAATAR CITY, SELENGE PROVINCE

The detail design of rehabilitation of Pump station 1 and 2 and water transmission pipeline. The work included detail design of rehabilitation of water resource plant, pump station, related plants, water network and connection of water kiosk to water transmission system and power transmission line.
The Prestige Engineering Co., Ltd has been performed the Feasibility Study of Chargait Hydropower Plant in co-operation with National Center of Renewable Energy
The Power Plant shall be established at Delgermoron river, Khovsgol Province, Mongolia, and connected to Electricity grid of Central Energy System.

Dam height – approx. 60m, Reservoir area – 43 km2, Installed capacity – 24MW

The work is executed basing on the Design order No. 6 issued by the Ministry of Construction and Urban Development on 09 January, 2014 and also the contract C/PRoF /14/005 between UNDP and Prestige Engineering Co., Ltd for “Conducting Feasibility Study and Develop Detailed Design Drawings of the Outdoor Water Supply, Sewerage Pipeline System, Wastewater Treatment Options and Indoor Water Supply, Sewerage Pipeline System for the Public Buildings in Bayangol and Sant soums of Uvurhangai aimag”.

The project includes rehabilitation of water source for the Bayangol, Sant soum centers in Ovorhangai aimag and design of water supply and sewerage pipeline system inside of the social services buildings and outside water and sewerage engineering pipeline and waste water treatment plant.
The Prestige Engineering Co., Ltd. has been implemented successfully some projects directed to livestock water supply:

- “Sustainable Grassland Management Project” (UNDP)
- “Agriculture Sector Development Project” (Ministry of Food and Agriculture and ADB)
- “Rural Poverty Alleviation Project” (International Fund of Agriculture Development)
- “The Improvement Plan of Livestock Farming System in Rural Areas” (JICA)

AGRICULTURAL IRRIGATION  ГАЗАР ТАРИАЛАНГИЙН УСЖУУЛАЛТ

- ТАСИС хотелберт Усжуулах, ХАА-н тоног төхөөрөмж нийлүүлэх төсөл
- ХХААХ онгоон Хувьсгал хотелберг бага оврын бороо жуулал төхөөрөмж нийлүүлэх төсөл
- Орхон голын хөндийд усаангаа газар тариалан эрхжүүлэх хэрс, усны үнэлэгээ хийх судалгааны ажил
- Хэрлэн голын хөндийд усаангаа газар тариалан эрхжүүлэх хэрс, усны үнэлэгээ хийх судалгааны ажил
- Supply of Irrigation and Farm Equipment Project
- Green Revolution Project of the MOFA
- A research work directed to estimate soil and water for developing irrigated harvesting in Orkhon river basin.
- A research work directed to estimate soil and water for developing irrigated harvesting in Herlen river basin.
The main scope of the Project is solution of a key problems of electrification and water supply for remotely located farmers household based on renewable energy systems. We selected 1000 wells located in places remote from Central electrical supply grid, having enough solar radiation and wind resources, having good grace and animal feed resources named and constructed as farmers’ wells, and proposed to equip 500 wells by Wind power system and another 500 wells – by Solar power systems.

Wind Power Station

Prestige Engineering Co., Ltd established 80 kWt Wind Power Station at Mandakh sum center of the Dornogobi Province. The wind resources of place has been studied by Renewable Energy Center of Mongolia and all equipment selected from Beijing Bergey Windpower Company.
A Leader of Pump Technology
Дэлхийн шилдэг усны насос

Pumps from FLOWSERVE

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- Solar chargers
- Batteries
- DC-AC Inverters
- 1 kWt Wind Turbine
- 10 kWt Wind Turbine
- Wind Chargers
- Towers for Wind turbines
- Inverters
- Power Distribution Panel
- Battery

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