



UNIVERSAL
ENERGY

NEWSLETTER

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HIGHLIGHTS

UE POWERED THE SERVICE STATION FOR PROTECTING THE SOURCE OF THE YANGTZE IN QINGHAI, CHINA

On May 26, 2020, a 30kW off-grid photovoltaic installation with a storage system constructed by UE's EPC company UNIBLU has been put into operation. The project is located in the Tanggula Mountain Town, the hinterland of the Tibetan Plateau lying at an altitude of 4540 meters and was sponsored by Tongwei Group. After completion, the project will power the service station along the Qinghai-Tibet Highway, solving the major operation obstacle of the station while protecting the source of the Yangtze.

As the project is UE's first photovoltaic installation with a storage system in plateau area, the project was executed with highest standards and in rigorous manner. After the project team conducting engineering optimization and equipment procurement in April, the construction work was immediately launched on May 8th.



The lack of oxygen in plateau area, strong ultraviolet radiation as well as unpredictable climate changes had brought multiple challenges to the construction. The air oxygen content is only 60%-70% easily resulted in frequent fatigue of workers, and the harden soil at the project site made the trenching even hard. To overcome these difficulties, the project team adjusted the working schedule tailored for the situation in time and reached out for support from volunteers at the station, eventually completing the construction within 23 days.

Taking the advantage of great solar radiation in plateau area, the photovoltaic installation will provide more than 10 hours of electricity for the station each day, ensuring its normal operation. Through this experience, UNIBLU has accumulated experience of photovoltaic installations in plateau area, laying a foundation for its long-term development in the clean energy industry.

The service station is the second station along the tuotuo river in the source region of the Yangtze founded by Sichuan Greenriver Environmental Protection Promotion Association, and is operated by volunteers who will provide visitors with 'various cute souvenirs as rewards' for recycling and proper waste disposal to cut down on the trash and other waste that tourists leave behind on their journeys.



▲ The Service Station along the tuotuo river

UE GOT 250MIL. YUAN LOAN FROM AGRICULTURAL BANK OF CHINA FOR THE 50MW BAIXIANG WIND FARM

On March 26, Chairman Mr. Nan Yi signed the financing contract for Hebei Baixiang 50MW wind power project with representatives of Agricultural Bank of Hebei Xingtai City at UE's headquarters in Shanghai, indicating UE's capabilities of investment, construction and operation in wind power projects have been highly recognized by domestic major banks. The project financing values 250 million yuan (US\$ 35 mil.) and the loan period is 15 years. And the loan has been fully disbursed in April 2020.



Signing ceremony of the project financing. Chairman Nan Yi (the second from left), and the representative from Agricultural Bank of China (the second from right)



▲ Baixiang 50MW Wind Power Project

SUCCESSFUL TRANSPORT OF THE FIRST BATCH OF WIND TURBINES DURING COVID-19 OUTBREAK FOR WIND POWER PROJECTS OF UE

In April 2020, Universal Energy, Envision and China Power Zhongdian Huayun made joint efforts to deliver the first batch of wind turbines for the Ybrai 50MW wind power project from 4 different provinces in China to the Khorgos gate on the Sino-Kazakh border, showing the determination and confidence of Chinese enterprises to carry out overseas projects during this special period.

Since the outbreak of COVID-19, the China-Kazakhstan gate was once closed along with canceled flights and blocked roads, which caused negative impact on the project including equipment procurement, transportation, and travelling of project staffs. In order to minimize the impact, UE had in-depth cooperation with Envision and Zhongdian Huayun to ensure successful manufacture, delivery, and transport of the first batch of wind turbines.

This is the first time for UE to realize long-distance cross-border road transportation of equipment. The nacelle weighs 86 tons and the blade is 70 meters long each. The project team and procurement department conducted geological survey work in advance and kept close eyes on epidemic situation in Kazakhstan, to ensure the journey safe and smooth.

The project team of Ybrai 50MW WPP has been well prepared for the arrival of the wind turbines. The installation work is expected to commence in July and the grid-connection of the project is aimed to be achieved by the end of this year.



The transport of wind blades passing through Xinjiang China

PROJECT UPDATES

YBYRAI 50MW WIND POWER PROJECT RECEIVES KOSTANAY REGION' S GOVERNOR

On April 28th, the Governor of Kostanay Mr. Arkhimed Mukhambetov, Kazinform with his fellows site visits UE's Ybrai 50MW Wind Power Project. The Plant Manager Almat received them and reported the construction schedule, on-site epidemic prevention solutions to the governor and the accompanied guests. The Governor expressed his best wishes on project's successful commissioning, and is ready to offer his help when Chinese Engineers couldn't come to project site due to COVID-19.

The Ybrai 50MW Project is the first wind power project in Kostanay State, which is also in the list of China-Kazakhstan Production and Investment Cooperation Key Projects. The project officially started construction in September 2019. In late April, with the joint efforts of UE, Envision, Zhongdian Huayun and other companies, the first batch of wind turbines has departed from China to Kazakhstan, overcoming the transport difficulties during epidemic periods.

The wind turbine hoisting work is expected to start in early July and the project aims to connect to the grid by the end of 2020. After the project is completed, the annual power generation will be 190 million kWh, reducing 141,500 tons of carbon dioxide emissions per year.



The governor (left) and his fellows listened to the report at the project site



The foundation construction of the project

UE FIRST SOLAR POWER PLANT ON MOUNTAINS WILL BE PARTIALLY COMMISSIONED IN JUNE

Lingshou (Phase II) 40MWp photovoltaic power station is UE's first mountain photovoltaic project constructed by its EPC company UNIBLU. The project is composed of two parts- Zhonghao 30MW and Shenghui 10MW, locating at the slope of two barren hills to maximize the land use efficiency. The steep slope is up to 60° which made the construction even challenging. UNIBLU team works hard to installing panels at right place and angles to get better panel performance ensuring the energy supply to the local community. The project has launched the construction in December 2019 and aims to be partially commissioned by the end of June.

After its completion, it will not only power the local community with annual energy yield of 63 million kWh, but also it reduces carbon emissions by about 230,000 tons per year, achieving both eco-friendliness and energy sufficient.



UNIBLU team is working hard installing PV panels



The concrete mixing station of Abay 100MW+50MW Wind Power Project

ABAY 100MW+50MW WIND POWER PROJECT BUILT ITS CONCRETE MIXING STATION, BEING FULLY PREPARED FOR THE SUBSEQUENT CONSTRUCTION WORK

Abay 100MW+50MW Wind Power Project has built its concrete mixing station, fully prepared for the subsequent construction work. Overcoming the challenges incurred by the COVID-19, UNIBLU team started its construction work in March and till end of June it has finished site clearance, 20% of turbine foundation construction. In the following months, the UNIBLU team will be finalizing the foundation construction, access road, transmission lines and newly-built substation. The COVID-19 made the construction planning hard but would never stop UNIBLU to move forward.

COMPANY NEWS

CONSUL GENERAL MS. MANORIE MALLIKARATCHY OF SRI LANKA IN SHANGHAI VISITED UNIVERSAL ENERGY

On April 22, the Consul General of Sri Lanka in Shanghai, Ms. Manorie Mallikaratchy and her fellows visited Universal Energy, received by Chairman Nan, Yi. Both parties had a thorough conversation on investment policies, project feasibility, market situation in the field of clean energy of Sri Lanka.

The main purpose of Ms. Manorie's visit to UE is to explore the cooperation opportunities of green energy. Mr. Nan firstly introduced the UE's profile, core competencies and expressed UE's interests in investing in Sri Lanka considering its great solar/wind power potential as well as growing demand for electricity. 'Green energy is well advocated in Sri Lanka, however, the land resource is limited for large-scale ground-mounted Photovoltaic Power Projects and Wind Power Projects' stated by Ms. Manorie. In response to this, Mr. Nan proposed several alternative solutions such as Floating solar, Agrivoltaics, Rooftop solar and Offshore Wind to solve land problem which were highly recognized by Ms. Manorie, and provided basis for further cooperation between two parties to follow up.

Ms. Manorie has been the Consul General of Sri Lanka in Shanghai since June 2019. She is also the director of Ocean Affairs & Climate Change and human resources development at the Ministry of Foreign Affairs of Sri Lanka.



Chairman Nan Yi (front row, left) showing the Consul General of Sri Lanka (front row, right) and her delegations around the company



Chairman Nan Yi introduced UE's profile and investment interests in Sri Lanka

CHAIRMAN NAN, YI SERVES AS A MEMBER OF THE FIRST COUNCIL OF THE YANGTZE DELTA ENTREPRENEUR ALLIANCE

The Yangtze Delta Entrepreneur Alliance was established in Huzhou, Zhejiang on June 5, 2020 during the 2020 Forum of Major Leaders of the Yangtze River Delta. Chairman of UE Nan, Yi as the only entrepreneur of 90s generation sits in the first batch of council members.

The Alliance is non-profit and is composed of leading enterprises from key industries and directors from related commerce and economic associations in the Yangtze Delta region. It aims to promote cooperation among various industrial chains, develop innovations in science and technology, boost international communications and contribute to the economic growth of the region.



▲ Group photo of all council members of the Yangtze Delta Region, Chairman of UE Nan Yi (Last row, the ninth from left) is the only Entrepreneurs born in 90s

The Yangtze Delta region is the starting point of UE, and the company has conducted business in three provinces and one city. The establishment of the Yangtze Delta Entrepreneur Alliance would provide a platform for UE with leading companies in the industry to work together, share resources and complement advantages, and achieve individual success while boosting the development of the Yangtze Delta.

UE(QAZAKHSTAN) WITH LOCAL ENTREPRENEURS DONATED 100 MIL. TENGE OF PROTECTIVE MATERIALS

On April 23, Universal Energy (Qazaqstan) together with local entrepreneurs, donated protective materials worth more than 100 mil. tenge (about USD 240,000) to medical institutions in Almaty to support medical staffs working at the front line fighting COVID-19. This batch of materials, included protective clothing, medical masks, respirators, protective glasses, and infrared thermometers, which comply with IEC standard and are from China. Till now, all materials have been delivered to Almaty by charter flight, and have been distributed to local medical institutions through the Almaty State Government. Local entrepreneurs Askar Alshinbayev, Eugene Feld, Nurzhan Bekshenov, Esengali Baymenov, Raimbek Batalov, also participated in this joint donation.

The spread of COVID-19 has led to a significant reduction in flights between China and Kazakhstan. UE's Chairman Nan Yi with local partners Bulat Abilov and Oraz Zhandosov took the initiative to order the private charter flight to do the transport. Both parties have also jointly invested 50 million tenge under the name of UEQ to purchase protective equipment and donate to local medical workers. UE is always on its road practicing corporate social responsibilities like its initial motion to create a better world through its efforts.



Almaty Deputy Governor Serik Turdaliyev (second from right) and UE's local partner Bulat Abilov (second from left) received the arrival of supplies



Medical supplies arrived by charter flight during epidemic periods



Group photo of participating local entrepreneurs

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