



Tianjin Flame New Energy Technology Co., Ltd

Introduce

Add : No.12-307 Room, ChaoYang North Road, ChaoYang
District, BEIJING, P.A . CHINA
Zip Code: 100123 ;
Tel : 13552484068 ;
E-Mail : flame_service@tjflame.com ;
Website : <http://www.tjflame.com>

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1. Flame Profile

1.1 Flame Profile

TianJin Flame New Energy Technology co., LTD. (hereinafter referred to as Flame) was established in March 2014, the registered capital of 100 million yuan, the headquarters is located in TianJin WuQing, is a collection of oilfield construction, oil field oil engineering services as one of professional company, main business oilfield engineering construction (including oil depots and gas stations, pipeline engineering, etc.), oilfield engineering services (drilling engineering technology research, service, directional well drilling tool development, well logging, mud logging, etc.).At the end of 2016, Flame reformed, Everbright International Construction Engineering Corporation (EICEC) holding 60%, and Flame and Everbright jointly strive to establish a broad market in oil clothing and oilfield development.As a high-tech enterprise, the company has provided technical services for many oil fields at home and abroad, and applied directional well technology to oil and gas exploration and production, providing strong support for the development of local enterprises. After many years of accumulation, the company main business is in the order as the main body of the drilling of directional well, drilling and construction services sector, with open hole staged fracturing, cable pumping - bridge plug perforating staged fracturing, drag staged fracturing, etc as the main body of the coiled tubing completion fracturing, by pumping perforation, TCP perforation tubing transmission, TTP through tubing perforation perforation plate, in order to bring pressure operation, overhaul and other special remedial work as the main body of the plate, oil additives, drilling with chemical production and oil displacement agent, acidification, water shutoff, sewage treatment and other services as the main body of the oil field of chemical technology, with packer, bridge plug, hydraulic jetting tool as the main body of the downhole tools such as research and development and technical services,



high h₂s gas well test plate, coiled tubing services such as the eight engineering and technical services.

Company facing Sinopec, Petrochina and other oil companies both at home and abroad, to provide their own products and technology as the core of oilfield production services, business has major oil region cities all around China and Indonesia, Iran, and other overseas regions, major oil region in the country to establish a field service base, overseas business form for the Middle East, central Asia, west Africa and China Taiwan region and other international main oil-producing areas of international business network. Flame is a responsible, passionate and fast developing technology service enterprise which has contributed to the development of oil and gas fields at home and abroad.

1.2 Everbright International Construction Engineering Corporation (EICEC) Profile

Everbright International Construction Engineering Corporation (EICEC), with approval by Construction Ministry of China, was founded in 1994. Its registration assets were RMB133.458 Million. The company consist EIGHT construction enterprises, a few subsidiary companies, and projects department around TEN different provinces all over China. The company is qualified with ‘First Level on Buildings and Municipal Administration Contract’ and ‘First Level on professional Decoration and Fixtures’

EICEC has license for foreign contracting to build turn-key plant, undertake single items of projects as a subcontractor or provide labor services. The quality system of which has been audited to conform to the following quality system standard: GB/T19001-2008idtISO9001:2008 of Quality Manage System Standard, GB/T24001-2004idtISO14001:2004 of Environmental Management System, and GB/T28001idt2001 of Health and Safety Management System Standard.



EICEC has got all talent and qualified engineering, and hard work construction persons. In total, there are 85 high technical qualified engineers, 125 construction engineers, and over 200 advanced people with economic, management, and finance, etc. background. Also, the company has different background professional workers, reasonable working structure, very well equipments, and high technology engineering process. Because of all, the Company gains a lot good public praise and great reputation rather than other construction companies. For example, first of all, the famous port administrative affairs foundation constructions in Shekou, Shenzhen City, because it had been finished in less than contract time, with high quality engineering, and lower costs of construction (40% less than budget price). Secondly, Dongguan Huarun cements industry material system construction. Both extraordinarily ‘drawing water from deep well’, and ‘dredging and drying well’ methods, it was well-known by the world. Thirdly, high quality worked for Shenzhen Mawan cement contribution engineering. All above, they are real reflection of the company spirit with ‘strictly to work, deal with concrete matters relating to work, delicately to work, and conscientiously to work.

Since EICEC was founded, Its profit The company successively has already built over 1,000 excellent projects, including LUBAN prize, Great Wall Prize, and Honors with Civilized Safety Construction Sites. The objectives of the company’s fine management are to build solid produce and safety system, technique and quality guaranteed system, material consume controlling system, operating and accounting system. The company will devote itself to cooperate with all overseas friends, full of confidence, to take any opportunities and challenges.

2. Enterprise qualification

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Chaoyang District, BEIJING, P.A. CHINA

2.1 Enterprise credit certificate.



2.2 ISO 9001 Certificate

CERTIFICATE OF REGISTRATION



Kaixin Certification (Beijing) Co.,Ltd.
Certificate of Registration

Registration No. : 06918QZ0040R0S

This is to certify that

Tianjin Flame new energy technology co.,LTD

Unified Social Credit Code: 911202220937517345

Registration Address: 217-18, No.8, Xingfu Avenue, Dajianchang Town, Wujing, Tianjin, 301706, China.

Business Address: 1002, 10/F, Building A, Hezhong Plaza, Youji North Road, Hexi, Tianjin, 300042, China.

The Management system is in conformity with

GB/T19001-2016 / ISO9001:2015 standard

Scope: Drilling Engineering Technical Service

Issue Date : 2018-03-07
Term of Validity : 2021-03-06

NOTE: The certified organization must accept the surveillance audit duly, and the audit shall be approved as effective before approving that this certificate can maintain as valid. On and by 2019-03-08, this certificate shall be used together with notice of maintaining certification and registration.



General Manager: Ge Kai



KCB Certification

Users can logon www.cnca.gov.cn or www.kcb-china.com to check the certificate status, to confirm by means of kcb@kcb-china.com or scanning the QR code.

Address: Room 706, Xinzhong Building, Xinzhong West Street, Dongcheng District, Beijing 100027, China

Tel: +8610-6553 5910/11/12/13 Fax: +8610-6551 1869



2.3 Company certificates









3. Group construction and construction services.

Everbright International Construction Engineering Corporation is approved by the ministry of construction of industrial and civil construction, decoration, three level qualification, municipal utilities and large state-owned construction enterprise with international contracting qualification.

Since its establishment in 1994, a number of large-scale projects have been built, among which, the pile foundation project of ShenZhen SheKou port company is famous for its short duration, excellent quality and low cost (less than 40% of the budget).The construction project of DongGuan China resources cement factory has achieved remarkable success by using the method of "pumping deep well and draining well", which has enabled us to establish a good reputation and reputation in the engineering industry.

Since 2010, the response country Everbright International Construction Engineering Corporation qualified enterprises "going out", successively in Malaysia, HongKong, Israel, Saudi Arabia,Kazakhstan and other countries set up wholly owned subsidiaries and joint ventures.Company leadership team has with the United States, Russia, Finland, Malaysia, the united Arab emirates, Israel, Saudi Arabia, Kazakhstan, Mongolia, Thailand, Cambodia, Ghana, Vietnam and other countries related leaders for business interviews, reached a consensus, and signed a number of cooperation agreements.

At present, the company has completed the completion of domestic and foreign high-quality projects as follows:

Historical Project Performances

3.1 Housing Constructions



天津市弗雷姆新能源科技有限责任公司

Tianjin Flame New Energy Technology Co.,Ltd



华腾园乙区高层住宅楼 (Residential tower of the



万科家园小区工程 (Wankejiayuan (Wanke Homestead) Housing Estate Project)



电子城小区工程 (Dianzicheng (Electron City) Housing Estate Project)



北辰绿色家园小区工程 (Beichen Lixuejiayuan (Green Homestead) Housing Estate Project)

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新华人寿保险公司大厦
New China Life Insurance Co.,Ltd
park Residential



明珠花园
MingZhu



经贸中心
Economic and Trade Building



平湖明苑住宅楼
Pinghu Mingyuan Residential

3.2 Building



国家博物馆市政工程
National Museum of China



国家公安部市政工程
Ministry of public security



中国人民解放军总医院市政工程
People's Liberation Army General Hospital



毛主席纪念堂改造工程
Chairman Mao Memorial Hall
Improvement Project Municipal
Engineering



北京新世界商场装饰装修工程
Beijing New World Shopping Centre Decoration
Decoration



中国农业银行室内装修工程
Agricultural Bank of China

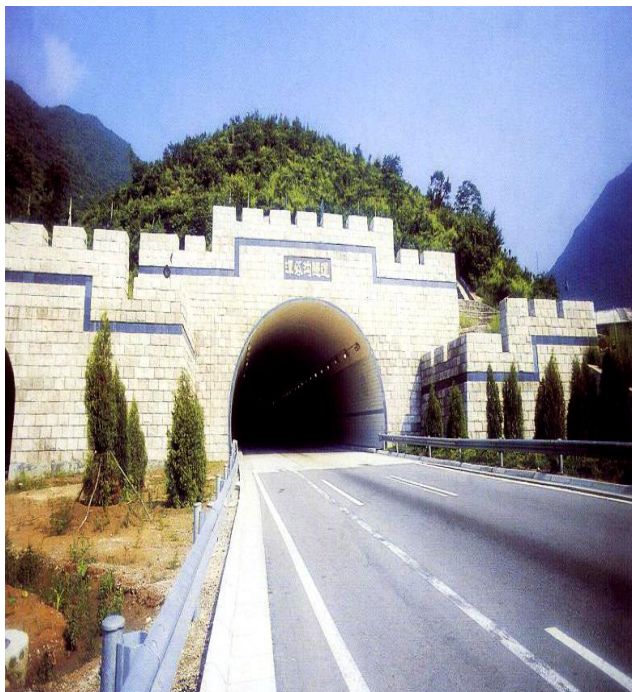


北京凯迪克大酒店装修设计
Beijing Catic Plaza Hotel Decoration



北京儿童福利院装修设计
Beijing Orphanage Decoration

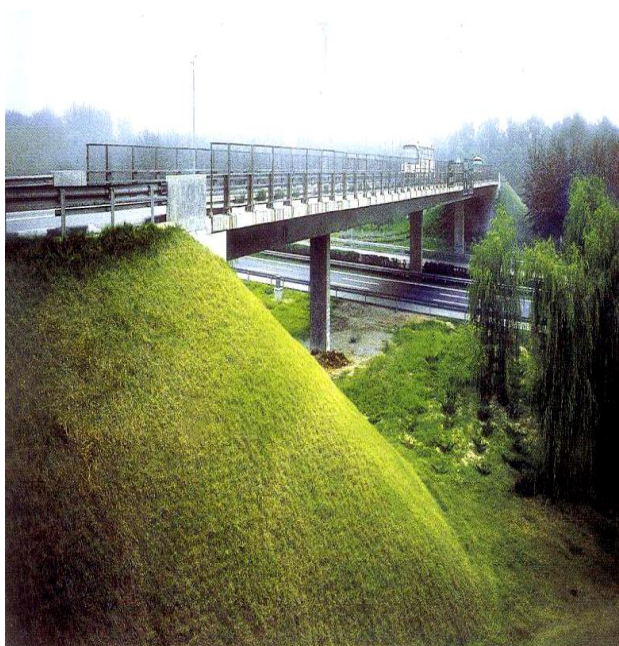
3.3 Bridge & Road Constructions



八达岭高速公路潭峪沟隧道 (Badaling Expressway Tanyugou Tunnel)



八达岭高速公路一期工程 (Badaling Expressway Phase I Project)



首都机场高速公路北皋立交桥 (Capital Airport Expressway Beigao Fly-over Bridge)



八达岭高速公路滚天沟大桥 (Badaling Expressway Guntiangou Bridge)



随岳南高速公路
Sui Zhou-Yue Yang Expressway



唐山曹妃甸工业区市政道路
Tangshan Cao Feidian Industrial
Zone Municipal Roads



福州平潭实验区环岛公路
Fuzhou Pingtan Island Highway



津滨高速公路
Jin-Bing Expressway

3.4 Tank Project



科威特苏埃巴炼油厂储罐管道工程
Oil Storage Tank Pipeline Installation Project of Sueba (Kuwait) Oil Refinery Factory





20 万立方米储罐制安工程
200.000m³ Tank Manufacturing and Installation Project

3.5 Hydropower Station Projects



中国辽宁桓仁水电站
Huanren Hydropower Station in China's Liaoning Province



中朝太平洋湾水电站
Taipingwan Hydropower Station in China's Liaoning Province

3.6 Electrical Power Engineering



上海漕泾电厂 2×1000MW 超临界机组工程

Shanghai Caojing Power Plant

2×1000MW USC units project



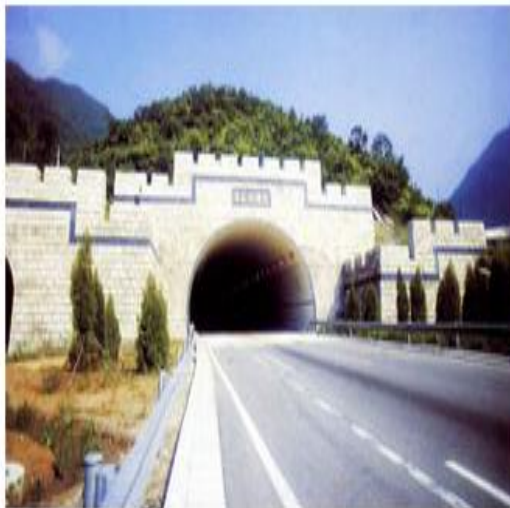
外高桥二期 2×900MW 超临界机组工程

Waigaoqiao second phase

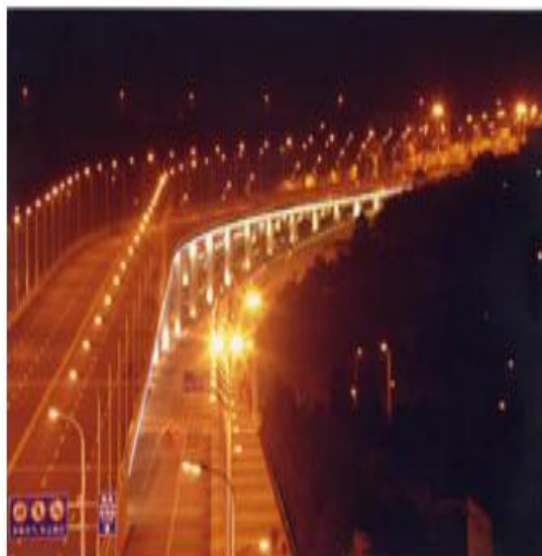
2×900MW SC units project



北京液化石油气公司西郊气罐厂配套工程



八达岭高速公路潭峪沟隧道
badaling Expressway Tanyugou Tunnel



河北武安中山街高架桥
Hebei Wuan Zhongshan Street Viaducty



随岳南高速公路
Suizhou-Yueyang South Expressway



福建LNG站线项目港口工程
Fujian LNG Terminal and Trunk line Port Project



江苏南通货运码头
Jiangsu Nantong Freight Terminal



轨道交通
Rail Transport



国家公安部市政工程
National Ministry of Public Services Municipal Project

4. Flame Oil Service

Flame after several years of development, has formed a comprehensive oilfield exploration and development service system, able to complete from drilling, well logging, mud logging, well cementation, integration of production, testing and other oilfield service mode.

4.1 Achievements of Coiled Tubing

TianJin Flame has finished more than 20 oil wells drag fracturing operation



with one hundred percent successful rate in North China Oil Field during 2013-2014 annual summary. Meanwhile, multiple oil wells in Puguang Gas Field were finished with one hundred percent successful rate by using coiled tubing equipment in this year, including 7 wells flushing de-plugging operation of high sulfur content gas well, 2 wells gas lift operation of high sulfur content gas well, 1 well water plugging operation of high sulfur content gas well. Among above deeds, both of gas lift operation and water plugging operation used in high sulfur content gas wells were implemented for the first time in Puguang gas field area.

4.2 PATHFINDER



PathfinderMWD/LWD consists of four major components :RX4 surface equipment, drilling fluid pulse telemetry system (MOP), MWD system (made up of TCM+HDAS+BATT+UGS) and LWD.

1. The near-bit measuring instrument can provide the real-time borehole, gamma and rotational speed of the drill bit;
2. There are 6.75" and 4.75" size instruments, suitable for 57/8 " ~ 91/2" borehole;
3. The zero length of gamma and well slant is divided into two short sections, which can be used for real-time measurement of borehole deviation and gamma data at the drill bit, so as to enable the engineers. Adjust the track according to the change of stratum;
4. Independent power supply for the upper and lower sections, can be used continuously: 4.75LXM 165hrs/6.75LXM 329hrs/UXM300hrs.
5. Early detection of stratigraphic boundary, detection of the formation and structural changes of the drill bit.
6. Optimize the hole trajectory, reduce or eliminate the lateral drilling demand, so that the well eye can travel through the target layer to improve the drilling rate.

4.3 Technical service class with pressure operation.

The belt pressure operation mainly refers to the belt pressure operation carried out by professional equipment in the wellbore of oil and gas well. Keep the pressure inside the wellbore in the construction, do not need to pressure (wash) well, release pressure. For oil Wells with pressure biggest advantage is that it can protect and maintain the formation of the original capacity, effectively protect the formation pressure, avoid the pollution to the reservoir and reduce the number of acidification and fracturing stimulation, long-term development and stability of oil and gas field production provide a good condition. In the case of high-pressure oil and gas Wells, the construction period can be shortened without stopping the injection pressure before operation. Eliminate the cost of the pressure well and the ground construction equipment, reduce pollution and



protect the environment. For shale gas well belt pressure operation, it is not necessary to kill the well, reduce the pollution of the pressure well to the stratum, and effectively prevent the gas layer from being crushed and crushed.

4.4 Drilling Business service

With a range of 2,000 m to 7000 m series of drilling RIGS, the maximum drilling capacity is over 400000 m, and can be used for drilling Wells, horizontal Wells, cluster Wells and branch Wells within 7000 m.

Suitable for the drilling construction capacity of three low (low pressure, low permeability, low yield), four high (high temperature, high pressure: 105 mpa, high sulfur, high yield);

It can provide regular and featured drilling technology services in all weather conditions such as mountain, plain, desert, marsh and shallow sea.

5. Intelligent City Municipal Street Lamp Project

To select the street light for the entrance is a precision landing, Each city is a few billion to tens of billions of of the project, only need government financial guarantee backing, without government funding, we also give local government 10% shares. Investment, construction, operation of free replacement of street lamps, to achieve more than 70% energy saving, 20 years after the operation of free and unpaid transfer to the government, in the original basis not only save electricity bills, to achieve energy-saving emission reduction purposes. At the same time the company built free wisdom pole. Wisdom pole to solve the basic functions of intelligent City: Skynet Security, wireless network coverage, environmental monitoring, urban public service ads, charging piles. Only the local government approval, all other business by our professional team to complete the city construction of the top floor design. This project greatly enhances the local intelligent city infrastructure level. Is the local government in charge of the leadership are strongly supported by the project, as long as the docking business can be done. We are the government without spending money, we invest in construction and operation for 20 years. Intelligent city street Lamp project, currently 95% of the world's market gaps. Opportunity means business opportunities, but only attempts to gain. County,



signing general a billion or so, county-level 200 million or so, hundred counties 400 million, prefectural level 5-20 billion, even if only 100 million, to the local government to create a tax minimum of 10-17 million. Then we can also develop Smart car parks and smart hospitals and other projects.

This is a resource-sharing era, new projects, new cooperation, a new future, the beginning of forever, I hope that we sincerely cooperate with each other to win the future. Cooperation requires mutual trust: the most scarce thing in society today is trust. Cooperation needs a bosom, pattern, pay: A person to succeed do not be afraid of being used by others, not to mention that before you succeed, how many things can be used by others? The reason why others seek your cooperation, you are used, at least prove that you still have the value of being used. If one day, the others do not seek you, then you really have no value. A drop of water only on the sea will not dry. A person can only join the team will not fail, but also a city. So the biggest difference between winners and losers is that successful people think about working with people every day, the results help others, they are more and more successful, so please find someone to cooperate: willing to accept the cooperation of others!



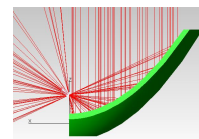
6. Auto Phototaxis Photovoltaic Equipment

The equipment adopts automatic control system, which has the characteristics of phototropism. It will rotate with the rotation of the sun to ensure direct sunlight.

Full spectral reflection to prevent dispersion and high utilization of light.

Concentrated light design, light, electricity, thermal shunt, effective solution to heating

Use of dual reflecting curve reflector with over 92% optical efficiency overcomes the weakness of tradition Fresnel lens which has 82% of optical efficiency.



Technical characteristics

The KWh cost is 50% lower than other CPV products. It is estimated lower than US\$ 0.06 for a 10MW power plant (8 years depreciation).

2000x optical concentration with more than 42.5% of cell efficiency and more than 30% of module efficiency.

Lifespan is 30 years (Chinese standard is 20years), annual decay rate is less than 0.1%.

Power station space will be 30% smaller than other CPV products 20W Module's size is 50% smaller than other CPV products with 2.5Kg in weight and 10.9cm in height.

©High weather resistant and lower maintenance cost than other CPV or PV products.



Products and technical indexes

Concentrator Standard Test Condition (CSTC 1000W/m² DNI, AM=1.5, Cell=25 °C)

Module Efficiency % 30.25

Maximum Power(±10%) P_{mpp}(W) 19.93

Voltage at Maximum Power V_{mpp} (V) 11.88

Current at Maximum Power V_{mpp} (A) 1.68

Open Circuit Voltage V_{oc} (V) 12.88





Short Circuit Current I_{sc} (A) 1.94

Temperature Coefficient of P_{mpp} $\%/^{\circ}\text{C}$ -0.148

Temperature Coefficient of V_{oc} $\%/^{\circ}\text{C}$ -0.144

Temperature Coefficient of I_{sc} $\%/^{\circ}\text{C}$ 0.0

The technical breakthrough

Use of dual reflecting reflector with over 92% optical efficiency overcomes the weakness of tradition Fresnel lens which has 82% of optical efficiency.

As principle of physics, reflecting angle of all spectrum of sunlight is the same we uses reflecting curve reflector which allows system to concentrate all sunlight wavelength into the focal point and utilizing up to 98% of sunlight. It solves problem of Fresnel lens system which has difficulty in concentrating light with different wavelength into one focal point, which only can utilize lower than 85% of sunlight.

We places the solar receiver on either side of module. Consequently, the solar receiver will not create shadow on the reflector lens which reduces the amount of light energy to be collected. This also coincide with the principle of heat going up.

Receiver adopted with high thermal conductive PCB, soldering directly to the heat-sink. It allows faster thermal dissipation and reduce the usage of heat-sink materials.