



China Petroleum Technology and Development Corporation

China Petroleum Technology & Development Corporation (CPTDC), a subsidiary of China National Petroleum Corporation (CNPC), is the largest supplier of Chinese petroleum and petrochemical materials and equipment in the world.

CPTDC has established a mature marketing network, with 67 overseas offices and subsidiaries, 14 warehouses and maintenance centers and 3 marking centers strategically located in 51 countries throughout the world. CPTDC supplies its products to 72 countries and regions, and maintains stable relationships with major oil and service companies globally.

CPTDC possesses a substantial resource system with more than 800 vendors. Most of those vendors are API or ISO certified and some can provide world class products.

CPTDC has a professional technical support system to provide customized complete solutions covering technical plans, quality control, installation, and commissioning and after-sales services. CPTDC has succeeded in the execution of contracts for hundreds of drilling rigs and workover rigs as well as over 5000 Kms of pipe line. With 6 maintenance centers across the globe, the corporation's in-time and professional services have been widely acclaimed by users.

CPTDC's operation principle is "Based on Service, Striving for Excellence". The corporation aims to build the international brand of CNPC petroleum materials and equipment, and is endeavoring to become a leading supplier in the world energy industry. CPTDC commits itself to introducing more Chinese petroleum equipment and technology into the world market, and making a greater contribution to the development of the Chinese petroleum manufacturing industry.

Baoji Oilfield Machinery Co., Ltd.

Baoji Oilfield Machinery Co., Ltd. (BOMCO) is Located in the center of Baoji city and BOMCO enjoys a premium advantage for product transportation as railway line links BOMCO with the national railway network and all major seaports in China.

BOMCO is reorganized in 2002 on the former Baoji Petroleum Machinery Manufacturing Plant (BPMMP) which was founded in 1937. Through more than 70 year's development, BOMCO now is the largest oilfield equipment manufacturer in China and international well-known petroleum drilling equipments manufacturer. BOMCO, with RMB 6,600 million assets, covers an area of over 2,000,000 square meters and has 6,000 staff employees, of whom over 2000 are technical specialists and engineers. It has BOMCO head office, Baoji Baoshi Special Vehicle Co., Ltd., Xianyang-BOMCO Petroleum Steel Tube & Wire Rope Co., Ltd., Chengdu Equipment Manufacturing Company Of BOMCO, Bomay Electric Industries Co., Ltd., Beijing Baoshi-MH Offshore Oil Engineering Technology Co., Ltd., and Liaohe-BOMCO Petroleum Equipment Co., Ltd.

BOMCO produces various landrig and offshore drilling model , sub-sea equipment, and drillingtools ,components and wire rope, precision steel tube, oil-well pumps, slings , drilling fluid manifold and drilling bits etc. The products with nearly 1,000 sizes for over 100 kinds are produced here for onshore, offshore and overseas customers. BOMCO can produce drilling rigs ranging from 1000 meters to 12000 meters in drilling depth , mud pumps from 500 HP to 3000 HP and top drive drilling system etc. With 10 API licenses covering 65 kinds of products, BOMCO is the company with most API Licenses in the world. The output of BOMCO drilling rigs and mud pumps ranked the top one for many years in the world.

BOMCO is a leading worldwide provider of highly engineered drilling and well-servicing equipments, products and services to the exploration and production segments of the oil and gas industry. Its products have been exported to more than 70 countries and regions across six continents.

In addition, BOMCO has established business and technical cooperation with over 100 companies for technology transfer, technical exchange and cooperative production and BOMCO products enjoys good reputation among customers in the world. A great deal of rigs has been taken to different oilfields all over the world and have become to the first choice of international well-known drilling contractors. The production quantity of BOMCO's land rigs and mud pumps is NO.1 in the whole world in recent years.

It is such a delight to have friends coming from afar. BOMCO cordially welcomes friends at home and abroad for mutual benefit and extensive cooperation.

Baoji Petroleum Steel Pipe Co., Ltd.

Baoji Petroleum Steel Pipe Co., Ltd. (hereinafter refers to BSG) is under China National Petroleum Corporation (hereinafter refers to CNPC), its former name was Baoji Petroleum Steel Pipe Works, which was established in 1958 and was one of 156 national key projects during the First Five-Year Plan in China. It was also the first Spiral Submerged Arc Welded Pipe manufacturer in China. Over 50 years development from its establishment, BSG has been the first class national integrated enterprise with scientific research, pipe manufacturing, pipe coating and casing processing and manufacturing of welding wire, welding flux, coating materials for welded pipe. BSG has come into being the China national specialized welded pipe manufacturer.

BSG now consists of six parts: Baoji headquarters is the principal part, and it has two wholly owned subsidiaries: Liaoyang Pipe Mill and Ziyang Pipe Mill, and also owns three share holding Companies: Baoji-SMI Petroleum Steel Pipe Co., Ltd., Shanghai BSW Petro-Pipe Co, Ltd. and Zhongyou BSS(Qinhuangdao) Petro-Pipe Co., Ltd. The annual welded pipe capacity of BSG is more than 1,300,000 tons (products including SSAW pipe, LSAW pipe, ERW pipe, Casing and Tubing, Coiled Tubing as well as pipe fitting and bends), the annual pipe coating capacity is 15,300,000 square meters, welding wire is 3000 tons, PE coating material is 15,000 tons, welding flux is 4,000 tons, pipe ends protector is 450,000 pieces, thread protectors for casing is 100,000 pieces.

With the strong technology strength, BSG owns a Welded Pipe Research Institute which is the center of welded pipe research, test, inspection and technology information in China. BSG's inspection and test center has passed the laboratory accreditation of China National Accreditation Service for Conformity Assessment. Meanwhile, BSG is the drafting unit of the national and petroleum industrial standards for welded pipe.

BSG firstly obtained the right to use the API Monogram, and CSQA, DNV certificates as well as national HSE/OHS/EMS certificates in China. In 2005 and 2006, BSG was awarded "China National Product Exemption from Quality Surveillance Inspection" and "China top brand" certificate by AQSIQ.

BSG always adheres to the business concept "marching forward with pipelines construction and succeeding through superior quality", and constantly explore the international and domestic markets for achieving the business goal of "Where there is oil, there is BSG". BSG has supplied welded pipes to more than 200 key long-distance pipelines and always enjoys the majority of market share in China. During the construction of China West to East Gas Pipeline Project, BSG was awarded the honor of "The Excellent Supplier" and it has made great contribution to China oil and gas Industry development. The products of BSG have been exported to more than 20 countries, such as Pakistan, India, Sudan, Indonesia, USA, Saudi Arabia, Kazakhstan and other Middle Asia Countries etc. In 2006, BSG won the contract of 600,000 tons coated SSAW pipes for Reliance East to West Gas Pipeline Project in India. It's the biggest steel pipe purchase order issued to one company at one time so far.

Today, under the direct leading of CNPC, the dynamic BSG, thoroughly implementing the scientific development concept, and actively conquering all kinds of challenges, seize the new opportunities of oil and gas pipeline construction to build up specialized pipe manufacturer.

CNPC Bohai Equipment Manufacturing Co., Ltd.

CNPC Bohai Equipment Manufacturing Co., Ltd. (BHEM) is founded in April, 2008, as a wholly state-owned company through merging 7 subordinates of China National Petroleum Corporation (CNPC) into one. The seven subordinates are 1st Machinery Works of North China Petroleum, Huabei Petroleum Management Bureau Petroleum Machinery Factory, Hebei Huabei Petroleum Machinery & Chemical Co., Ltd., Zhong cheng Equipment Manufacturing Company, Dagang Oilfield Group Zhongcheng Machinery Manufacturing CO., Ltd., Dagang Oil Field Group New Century Machinery Manufacturing Co., Ltd. and China Chengde Star Petroleum Equipment Company. The new company takes over all their businesses and becomes a company special in manufacturing line pipes, oil country tubular goods, pumping units and subsurface equipment, down hole mud motors, diamond drill bits, mobile drilling rigs, special automobiles pipe bend and providing rig completing service as well.

Its products have been widely used by oilfields home and abroad with a market covering all the main oilfields in China and more than 30 countries and zones in Asia, Africa, Europe and Australia.

The founding of BHEM is a significant step of CNPC in its process of pushing intensive and professional management while heading for an integrated international energy company for the development of equipment manufacturing business.

BHEM is located in Tianjin Binhai New Area, the national key development and open area of the "eleventh five year plan", which favors the development the petroleum equipment manufacturing business by offering more opportunities and grander prospect with its ascendant location and privileged investment environment.

The Company own all serials equipment 7640 sets, and the annual capacity is as following: Line pipes: 15 million Tons; Drill pipes: 20 thousand Tons; Mobile drilling rigs: 150 sets; Rig completing: 60 sets; Down hole motors: 3800 sets; PDC drill bits: 2000 pieces; Sucker rod: 2.5 million meters; Sucker rod pump: 20 thousand sets; Pumping units: 3200 sets; Electric submersible pump: 2 thousand sets; Reciprocating pump: 500 sets; Special automobile: 300 sets.

BHEM has passed the ISO9001 Quality System Certification, ISO10012 Measurement management system certification, HSE/OHS/EMS System certification.

Many products have obtained the authority to use API monogram. Some products have acquired required national announcement and CCC certification.

BHEM has a complete inspection system for receiving, in process and final inspection and testing with high precision test equipment by certified inspection staff independent from production.

Lead by General Manager Zhao Guo and Secretary of the Communist Party Committee Pan Jianquan, the whole staff will seize opportunities, meet challenges and strive to build the Bohai-Bay-Base for the research, development and manufacturing of petroleum equipment through vigorous development and continuous reforming.

CNPC JICHAI POWER COMPLEX

CNPC Jichai Power Complex, which was born in 1920, was one of the earliest diesel engine factories in China. JDEC developed 12V190 diesel engine independently, which filled the gap of oil drilling power units in China. In the year of 1988, the first high power natural gas supercharged engine was born in JDEC.

CNPC Jichai Power Complex, located in Jinan economic development zone of Shandong province. At present, the company has 2100 people. By establishing four major core advantages of "R&D, Market, Manufacture and Supply Chain", JDEC has been continuously keeping a high speed growth trend for the last 10 years and its comprehensive strength greatly improved. In 2009 sales revenue exceeded 2 billion RMB. The core business of JDEC is the R&D and manufacture of medium & large power engines. With annual production capacity of over 5000 units of engines and their packaged sets. Now, the products have formed three major series of land-based, marine and gas engines, capable of operating on multiple fuels and applicable to many fields with power range of 10-6200kW. The extended business include fluid transmission device ,electrical control device and packaging of gas power unit, etc, manufacturing and integration of compressor unit, etc.

Guided by the scientific outlook on development, CNPC Jichai Power Complex adheres to the development road of characteristic and innovation to strive to develop it into an internationalized integrative and diversified power equipment manufacturing enterprise towards the goal of "Leading in domestic, Famous in the world".

Daqing Powerlift Petro-equipment Group

Daqing Powerlift Petro-equipment Group was recombined by the former Daqing Petroleum Equipment Group, Powerlift Pump Industry Co., Ltd. and Perforating Charge Plant in the March 2, 2009. The three enterprises of Daqing Oilfield Materials and Equipment Group—Daqing Hongqi Sucker Rods Co., Ltd. , Daqing Hongyun Steel Pipe Manufacture Co., Ltd. , Daqing Yilangsite Petroleum Special Pipe Co., Ltd. were incorporated into Daqing Powerlift Petro-equipment Group in the November 4, 2009. Daqing Powerlift Petro-equipment Group consists of 13 subsidiary companies, and it is one of the biggest petroleum machinery manufacturers in CNPC, it is also the backbone in the machinery industry. The group now has 7216 employees including professional technicians 1129 persons. It covers an area of 6,218,600m² and has modern workshops 544,900m². The value of the total assets is 2,930,000,000 RMB Yuan, the original value of fixed assets is 1,250,000,000 RMB Yuan and the net value is 610,000,000 RMB Yuan. It has main production equipments 3,420 sets including 66 sets of large-scale sophisticated equipments and casting & forging machines.

It has many production lines that have the contemporaneous national and international advanced level, namely electrical submersible pump , pumping unit, subsurface sucker rod pump , bucket rod , penetrating charge , rotary screw pump , annulus , vacuum-calefaction stove , cast steel and cast iron. It can manufacture 30 series products such as electrical submersible pump , pumping units , penetrating charge , special vehicle, drilling equipment, vacuum-calefaction stove, wellhead assembly, subsurface sucker rod pump , rotary screw pump , tubing , special pump, underground work tools, bridge crane and trestle crane etc. and the products have more than 600 kinds.

Daqing Powerlift Petro-equipment Group insists on the guideline of "develop group with science and technology, the quality is first ". Now it has the international advanced I-DEAS/UG-CAD/CAE/CAM/CAPP design technique and has set up its own CAD Station. It has 6 production lines that have the domestic advanced level, namely bullets filling, bullet guns processing, powder molds and one production line that introduces complete technologies, namely detonating cord weaving. It has the unique Perforating Equipment Research Institute in China. What's more, it is the first group which passed ISO 9000 quality system authentication in Daqing Oilfield. Passing Environment Management System, Safety Management System and Health Management System authentication. It has built the unique verifying attachment in the Northeast China which can proceed the air tight test for high pressure wellhead. The products such as electrical submersible pump, pumping unit, rotary screw pump, penetrating charge, tubing, van semi-trailer and logging gauge draw works are named well-known brands products in Heilongjiang Province. The casing perforation equipments were chosen as one of the domestic hundred "customer satisfied products" by China Quality Association. With the management target of "Serving centurial oil field, developing external market, achieving self-innovation, creating famous brands, firmly following the market-oriented international operation, standardization management, specialization manufacture, intensified and integrated development, to build the company into a national first-class, international well known ten billion dollars equipment base" Daqing Powerlift Petro-equipment Group regards the markets as the guide, it extends the markets at home and abroad while developing the Daqing Oilfield market. The products have large market share in northeast, northwest and central plains. The products such as electrical submersible pump , pumping unit , subsurface

sucker rod pump , bucket rod , penetrating charge and wellhead assembly etc. have been sold to nineteen countries namely United States , Canada, England, France, Australia, Algeria, India, Kazakhstan, Indonesia, Sudan, Oman , Russia and etc.

Daqing Powerlift Petro-equipment Group will stick to the management philosophy of "the market has given us everything and what we have done is to develop the market" and create the bright future with you.

CNPC Geophysical Company Limited

As the pioneer in the field of oil exploration, CNPC Geophysical Company Limited (BGP) carries the duty of prospecting of oil and gas for China .Being a professional geophysical service company and the largest geophysical prospecting contractor in China, BGP has been greatly concerned about the growth and development of its equipment manufacturing.

BGP has the R&D and production capability of geophysical equipment and has manufactured 6 series products such as seismic instruments, vibrators, drill rigs, geophones, special transportation equipment and auxiliary electronics.

With the state -of -the -art vibrator techniques, BGP has become one of the companies that can independently manufacture vibrators in the world. The research and development level of seismic drills always takes the lead in the world, meeting the requirements of drilling in mountain areas, deserts, swamps, and transition zones. Special transportation equipment has strongly supported the company's exploration activities in complex regions worldwide. The self-developed auxiliary instruments such as refraction seismographs, blasters, and geophone testers are of the world level too.

The main products can be used not only in the industry of oil and gas exploration, but also in coal and minerals mining, detection of earthquake and engineering exploration. Our products are sold to more than 20 countries in the world.

China Petroleum Logging Co., Ltd.

China Petroleum Logging Co., Ltd. is a professional logging subsidiary of CNPC. And it is a technology service corporation which integrates logging technology research and development, logging instruments production and manufacturing and technology services with logging data process and interpretation, and extending and application of new technologies. The company has a logging technical center of CNPC, a logging key laboratory of CNPC, and the instrument calibration and magnitude transfer well groups which are well complied to the international standard so many technical research can be performed such as basic researches and development on well logging technology applications, the integrated instrument and logging software research and development and logging data interpretation and evaluation. Express and Image Logging System (EILog), the Self-made well logging system, has become the main well logging equipment of CNPC. The manufacturing capacity of the EILog is up to 50 sets per year and the imaging logging series composing of " three kinds of resistivity imaging logging tool and two kinds of sonic imaging logging tool and one kind of nuclear magnetic resonance imaging logging tool" (including MIT6530 Multi-Array Induction Logging Tool, MCI6570 Micro Conductivity Imager Logging Tool, HAL6505 High Resolution Array Laterolog Tool, UIT6640 Ultrasonic Imaging Logging Tool and MPAL6620 Multiple array Acoustic tool and Nuclear Magnetic Resonance Imaging Tool) have achieved the international advanced level.

Beijing Petroleum Machinery Factory Co.

Beijing Petroleum Machinery Factory Co. (BPM) was founded in 1955. With good location in the high science and technology center of Zhong Guancun which is rounded by so many universities, colleges and institutes, such as Tsinghua University、Peking University、China University of Geosciences、China University of Petroleum (Graduate school) : Google, Sohu etc., covering the area of 35 thousands square meter. BPM has advanced equipments, modern tests and inspection instruments. BPM mainly produces oil drilling equipments which combines in research, design, marketing and services. It was recognized as the National High-Tech Enterprise in 2009.

BPM is a specialized factory which belongs to the Drilling Engineering and Technical Institute of CNPC. BPM is one of the members of the 1st Grade Oil Drilling Equipment Supplying Net of CNPC, of the members of Spare Parts Resources Market of Sinopec, of the members of Material Resources Exportation Net of CNPC and BOP Control System Determinative Manufacturer of CNPC. BPM has already got the authority of imports and exports. BPM has established a complete quality control system, and is the first one that has passed the certification of ISO9001 and got the monogram use authority of API SPEC 16D and also the API SPEC 7, API SPEC 8A, API SPEC 8C. At the beginning of 2008 BPM has passed the double certifications of ASP (American Society of Petroleum) API Q1/SPEC 7, 16D, 8A and 8C.

BPM has obtained more than 30 National Patents, which guarantees technical advantages and competitive power of BPM's products. Based on the operation idea of "Moral, Quality and Brand", the tenet of "Using Chinese wisdom and global resources to manufacture BPM's products", the development strategy of "Science, Internationalization and Digitalization", the tenet of "To pursue our customers' regretless choice", the scientific and technical progress, developing and innovating.

BPM Top Drive Drilling Equipment, CGDS Series(China Geosteering Drilling System), Down Hole Motor Series (Air/Foam Down Hole Motor), BOP Control System, Drilling Jar and Accelerator Series (Air Drilling Jar), Shock Absorbers (Air Shock Tool), Down Hole PC pump series and other oil drilling equipments have been exported to more than 50 countries and areas, such as America, Canada, Cuba, Saudi Arabian, Iran, Iraq, Kazakhstan, covering continental and ocean oil and gas fields of CNPC, SinoPec and COTC. Up to now, "BPM"

has already become a famous brand both in China and abroad. Many products have gained the titles of high grade products, prize of scientific technical progress, and prize of scientific outcome, prize of scientific innovation of China, Peking and CNPC.

BOP Control system has gained the honors of "National Clients Satisfying Products" and "Satisfying Enterprise in the Oil Industry" in 2004 and 2006 continuously. DQ Top Drive Drilling System has gained the honor of "Satisfying Enterprise in the Oil Industry" in 2008. Both projects of "Top Drive Drilling System Developed" and "Under Balanced Drilling Technology Research" were given "CNPC Technology Innovation First Prize" in 2005.

DQ120BSC Top Drive Drilling Equipment, Long Life and High Temperature-Resistant Down Hole Motor have created three new records of "National Enterprises" in 2007, DQ70BSC Top Drive, FKDQ1200-9 BOP Control System and C5LZ172 × 7.0 II-G high-temperature-resistant and long life DHM were included in the programs for state key new products in 2007 and 2008 respectively. "Variable-speed AC Top Drive" won the second prize of Science and Technology of Machinery Industry in 2008. Digital BOP Control System has gain the third prize of CNPC Scientific and Technological Progress in 2009.

BPM offers the best products and satisfying services. Based on research idea of "Manufacturing advanced equipments with science and technology", we sincerely hope to cooperate with friends in China and the world, develop communally and reach the goal of win-win in our cooperation.

BGP Introduction

In 2002, BGP became a liability-limited company after merging with six other Chinese geophysical companies. The new company is located in Zhuozhou city, Hebei province, sixty kilometers south of Beijing.

BGP currently has 101 land seismic crews, 8 shallow water and transition zone crews, 7 VSP crews and 20 non-seismic crews operating in 29 countries on 4 continents. The operations are conducted in a wide variety of terrain conditions, such as gravel plains, mountains, deserts, jungles, swamps, marshes, shallow water and transition zones. In 2006, BGP launched its offshore seismic program. At present, BGP owns two 2D vessels, a 6-streamer 3D vessel, and a 4C OBC vessel.

Since 1961, BGP has provided quality services for more than 90 energy companies at home and abroad, including CNPC, Shell, ExxonMobil, BP, Total, ENI, Repsol YPF, OXY, GNPOC, Saudi Aramco, Pemex, PDO and Remsa.

BGP strictly follows the international guidelines for Health, Safety and Environmental Protection set forth by the International Association of Geophysical Contractors and the International Association of Oil and Gas Producers.

We also understand that it is geo-talent that makes it possible for BGP to maintain a sustainable development. Therefore, BGP has as always attached great importance to technology advances. Our recent R&D is focused on high-density seismic surveys, wide-azimuth acquisition, complex structure imaging, 3C/3D VSP, 3C/3D seismic, and stratigraphic reservoir studies. BGP released its "PAI" Technological Package in Rome during EAGE 2008, developed by BGP with 40-plus years of hands-on experience and in-depth expertise from worldwide operations. PAI provides advanced solutions for challenging issues in different surface conditions. We also have started to develop our own seismic recording systems to provide better services for our clients.

Mission and Commitment

BGP, as a member of the International Association of Geophysical Contractors, is dedicated to ensuring the standards contained in this organization. In addition, in seeking contract with energy companies, we consistently makes every effort to apply and adhere to the guidelines of the International Association of Oil and Gas Producers in the development and application of its Health, Safety and Environmental Management System.

BGP fully understands that the most important resources on the earth for mankind are the mankind itself and the natural resources it depends upon for existing. Therefore, there is nothing more important in the world than our health and safety, and it is a long-term and fundamental policy for BGP to be human-oriented, attach primary importance to safety, take a road of sustainable development, and devote itself to worldwide environmental protection.

BGP is committed to:

- Providing quality services to clients at all times and in all places
- Following industrial standards in operations
- Meeting all requirements set by clients and helping them succeed by all means possible
- Abiding by local laws and regulations
- Respecting local people, religions and customs
- Minimizing the impact on environment
- Ensuring health and safety of its employees, contractors and people affected or associated with
- Doing whatever others are unable to do and doing well whatever others may fail to do

The main business of BGP:

- Onshore seismic data acquisition

- Deep water seismic survey
- Shallow water and transition zone seismic surveys
- Seismic data processing, interpretation and reservoir studies
- Borehole seismic surveys
- Geophysical research and software development
- GME and geo-chemical surveys
- Geophysical equipment manufacturing
- Multi-client services