

www.china-hbp.com





地址:北京市海淀区马甸东路17号金澳国际大厦12层、16层Add: 12th&16th Floor, Jin Ao International Building, No.17 Madian East Road, Haidian District, Beijing, China.

邮编 / Zip: 100088 电话 / Phone: 86-10-82809807 传真 / Fax: 86-10-82809807-811



## 国际油气资源开发及利用综合解决方案服务商

International EPCC Service Provider for Oil & Gas Development and Utilization



# 目 **R** Contents

01	企业简介 Profile
05	企业历程 History
07	企业资质 Qualification
09	市场布局 Market Layout
11	技术创新能力 Technological Innovation Capabilities
13	项目管理体系(HQMS) Project Management System(HQMS)
15	安全环保环境 Health, Safety & Environment
17	核心业务 Core Business
19	油气工程及运营服务(EPCC) Oil-Gas Engineering&Operation Services(EPCC)
21	环境工程及服务 Enviromental Engineering & Services
23	碳中和工程及服务 Carbon Neutrality Engineering & Services
27	油气资源开发及利用一体化服务 Integrated Services for Development & Utilization of Oil and Gas Resources
29	经典案例 Typical Track Records
55	未来展望 Future Prospects



# 北京总部 Headquarters in Beijing

华油惠博普集团(以下简称HBP)成立于1998年,并于 2011年2月25日在深圳证券交易所主板上市(股票代码: 002554),成为中国第一家登陆A股市场的石油石化领域 的工艺技术及设备系统解决方案提供商。

作为一家国有控股的上市集团,HBP拥有40余家全资、 控股及参股公司,在中东、中亚、非洲等地设有分、子 公司及办事处,目前主营业务涵盖油气工程技术服务、 油气管道技术服务、环境工程技术服务等领域,员工总 数2000余人。

"十四五"期间,公司将以高质量发展为主题,聚焦水 务环境、能源服务两大主业,打造国际一流的数智化能 源与水务服务企业。

China Oil HBP Group (hereinafter referred to as HBP) was established in 1998 and listed on the main board of the Shenzhen Stock Exchange on February 25, 2011 (stock code: 002554). HBP is the first provider of process technology and equipment system solutions in the petroleum and petrochemical industry of China to be listed on the stock market.

As a state-controlled listed group, HBP has more than 40 wholly-owned, holding and share-holding companies, with branches, subsidiaries and offices in the Middle East, Central Asia, Africa and other regions and countries. The current main business covers oil and gas engineering technical services, oil and gas pipelines technical services, environmental engineering technical services and other fields, HBP has a total of more than 2,000 employees.

During the "14th Five-Year Plan for economic and social development of the People's Republic of China (2021~2025)" period, HBP will focus on the two main businesses of water environment and energy services with the theme of high-quality development, and is committed to building a world-class digital and intelligent energy and water service company.

## 惠博普三大产业基地

Three Major Industrial Bases of HBP

#### ·油气田装备制造基地

占地70,000m2、厂房面积40,000m2

·Oil and Gas Processing Equipment Manufacturing Base

Coverage 70,000m<sup>2</sup>, Plant Area 40,000m<sup>2</sup>



#### ·环保产业基地

负责环保项目的研发、设计、组装、 调试、人员培训等

· Environmental Protection Industrial Base

Responsible for R & D, Design, Assembly Commissioning and Personnel Training of Environmental Protection Projects



#### •工业智能控制系统产业基地 负责油气田及集输系统数字化信息化

技术的项目研发和工程实施

· Industrial Intelligent Control System Industrial Base

Responsible for Digitization, Information Technology, R&D and Implementation of Oil & Gas Fields and Gathering-Transportation System





## 惠博普愿景 Vision

- -成为国际一流的油气服务提供商
- -To be an international oil and gas service provider

## 惠博普使命 Mission

- -为客户提供满意的油气领域产品和服务
- -To provide customers with satisfactory oil and gas products and services

## 核心价值观 Core Values

- -以客户为中心,以市场为导向
- -诚信、创新、责任、协作、共赢
- -Customer Orientation & Market Orientation
- -Integrity, Innovation, Responsibility,
- Cooperation, Win-win

## 企业品德 Morality

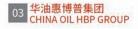
- -坦诚豁达、直面现实、清正廉洁
- -直言不讳、信守承诺、言行一致
- -Frank & Open-minded, Face Reality, Honest and Upright
- -Faithful to Promise, Deeds Accord with Words

## 团队合作 Team Work

- -开放胸怀、积极乐观、互帮互学
- -营建简单信任的快乐团队
- -建立以绩效为导向的团队文化
- -Open minded, Positive & Optimistic, Mutual Learning & Help
- -Build a simple and trusting happy team
- -Establish a performance-oriented team culture







## 企业历程

History



1998

2001

2004

2008

2013

2018

021

惠博普在北京成立 HBP was founded in Beijing 开发出具有国内领先水平的 高效油气水砂四相分离器, 确立了惠博普在中国高效分 离领域的技术领先优势

We developed highly efficient four phase separators of oil, gas, water and sand, establishing our leading position in the field of highly efficient separation technology in China 开发出具有国际先进水平的 高温高压测试装备,打破欧 美垄断该领域的局面

We developed high-temperature and high-pressure testing equipment with international advanced level, breaking the monopoly of Europe and the United States in this field 开发出中国第一台自动热化学机械分离含油污泥处理装备,环保工程业务已逐步成为惠博普业务发展战略的重要内容We developed China's first automatic thermo-chemical-mechanical separation oily sludge treatment equipment, so that environmental protection engineering business became an important part of HBP's business development strategy

惠博普中标伊拉克米桑油田 EPC工程总承包项目,实现了由传统油气田装备业务向 EPC工程总承包商的转型 HBP won the bid for EPC project of Iraqi Missan Oilfield, realizing the transformation from conventional oil and gas field equipment business to EPC

project general contractor

签订乍得ORYX油田地面设备EPCIC 总包项目、中标埃塞俄比亚天然气 集输及处理 EPCC 项目,两个项目 共计40亿合同额

Signed EPCIC general contract of Chad ORYX oilfield surface equipment project, and won the bid of Ethiopian natural gas gathering-transportation and processing EPCC project. These two projects with a total value of nearly 4 billion RMB

签订100万吨/年二氧化碳回收利用项目-液化提纯单元部分的分包合同,为业主提供整套工艺包设计、供货、调试及投产等服务,该项目是我国第一个百万吨级CCUS项目

Signed a subcontract for the liquefaction and purification unit part of 1 million tons/year carbon dioxide recovery and utilization project to provide the owner with a complete set of process package design, supply, commissioning and commissioning services. This project is China`s first million-ton-level CCUS project.

开发出国际领先水平 的三次采油低剪切锥 阀式聚合物流量调节 器,惠博普成功启航 With the development of internationally advanced polymer flow regulator with low shear cone valve for tertiary oil recovery, HBP successfully set sail

油气处理装备成功进 入海洋石油市场,成 为中国海洋石油装备 的核心供应商

Oil and gas processing equipment successfully entered the offshore oil market and became a core supplier of offshore oil equipment in China

承担了非洲某油田中心 处理站(CPF)工程的EP 工作,惠博普进军国际 油气处理工程市场 By undertaking EP work of a central processing station (CPF) project in Africa, HBP entered the international oil and gas treatment engineering market

公司首次公开发行A股在深圳证券交易所成功上市,股票代码"002554" Initial public offering of A shares on Shenzhen Stock Exchange, with the stock code "002554" 惠博普签订巴基斯坦天然气处理项目工程总承包合同,为惠博普进一步开拓前景广阔的东南亚和南亚市场奠定了良好的基础HBP signed a general contract for natural gas treatment project in Pakistan, which laid a good foundation for exploring Southeast Asia and South Asia market

中标哈萨克斯坦卡沙甘油田 10 亿方天然气处理厂建设项目,合同金额约为16.70 亿元,为业主提供详细设计和所有撬装设备供货,并指导现场安装和投产服务

Won the bid for the construction of 1 billion cubic meter natural gas processing plant in Kashagan Oilfield of Kazakhstan, with a contract value of approximately 1.670 billion CNY. We provided the owner with detailed design and supply of all skid-mounted equipment, and instructions of on-site installation and commissioning services.

1999

2003

2005

2011

2015

2020







惠博普的产品和服务已在中国陆上和海上油气田应用,并在全球30多个产油国的近50个油田广泛应用。其中国际市场以中东、中亚、非洲、南亚为核心,在阿联酋、哈萨克斯坦、非洲设有区域管理中心。

HBP's products and services have been used in onshore and offshore oil and gas fields in China, and also widely used in nearly 50 oil fields in more than 30 oil producing countries worldwide. Among them, HBP takes the Middle East, Central Asia, Africa and South Asia as the core international markets, and regional management centers have been set up in the United Arab Emirates, Kazakhstan and Africa.



## 技术创新能力

Technological Innovation Capabilities



- 坚持技术创新的可持续发展之路,立足于为石油行业客户提供高效、节能、环保的一体化解决方案和成套设备
- 与国际知名专业化公司、科研机构及石油院校合作
- 拥有一支专业、敬业创新、富有经验的人才队伍
- 拥有雄厚的软硬件实力和一流的研发人员
- 目前,惠博普已拥有30余项发明专利,60项实用新型专利、100余项软件著作权、50余项专有技术,形成了完备的核心技术体系
- Adhering to the sustainable development path of technological innovation, dedicated to providing efficient, energy-saving, environmental protection integrated solutions and complete equipment for petroleum industry customers
- Collaborating with internationally renowned specialized companies, scientific research institutes and petroleum universities
- Professional, dedicated, innovative and experienced talent team
- Strong hardware and software strength and first-class R & D personnel
- At present, HBP is owner of more than 30 invention patents, 60 new utility model patents, 100 software copyrights, 50 proprietary technologies, forming a complete core technology system













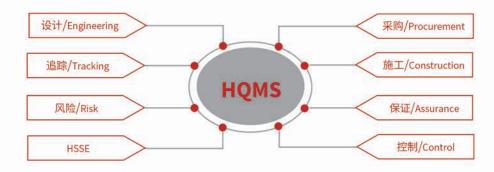
## 项目管理体系(HQMS)

Project Management System(HQMS)



惠博普已建立了,自项目追踪、设计、采购、施工、项目控制保证至项目结束及运营的完整HQMS体系,满足国际极具挑战性和竞争性的油气行业全生命周期项目管理的实践需求。

HBP has established a complete Project Management System (HQMS), from project tracking, engineering, procurement, construction, project control & assurance to completion & operation, meeting the requirements of international highly challenging and competitive oil & gas industry practice for the full-life cycle project management.

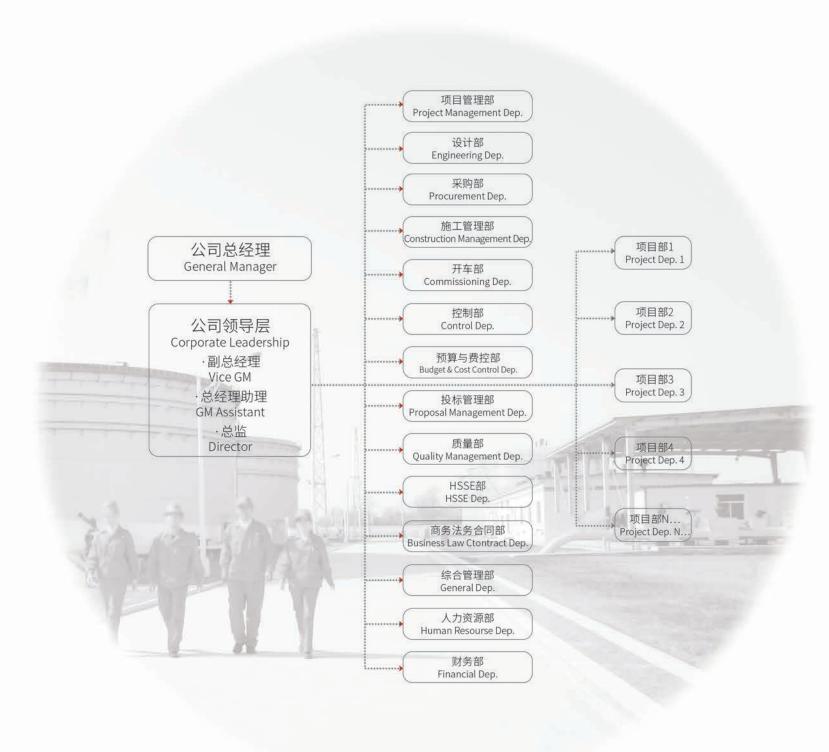


HQMS是基于风险控制的项目管理系统,覆盖了全生命周期项目管理中的项目概念研究、FEED设计、EPCC及运营管理的完整过程。基于HQMS体系,惠博普形成了专业的项目组织架构管理国内外EPCC项目,实现了将公司强有力支持与客户具体项目需求相结合的"公司+项目"双引擎管理系统。

HQMS, as a risk based sophisticated project management system, has covered the whole process of project from concept study, FEED, EPC to Operation Management for the full-life cycle project management. Based on HQMS, HBP has formed a professional project management organization to manage domestic & overseas EPCC projects, realizing the "Company + Project" dual engine management system with the combination of the strong support from HBP and Client`s project specific requirements.







## 安全环保环境

Health, Safety & Environment



- 惠博普认为每一个HSE事件都是可以预防的,安全是第一位
- 从高层管理人员到员工的安全承诺
- 零 HSE 事故和零伤害
- 自 2016 年以来的安全小时数, 48,006,153
- 合格的 HSE 专业人员
- 全面的HSE培训计划
- 必须遵守安全程序并严格监控
- 安全奖励
- 严格的安全工时规定
- HBP believes that each HSE incident is preventable and safety is the first
- Commitment to safety from top management to staff
- Zero HSE incident and zero injury
- Safety Hours since 2016, 42,967,637
- Competent HSE professionals
- Comprehensive HSE training program
- Safety procedures must be complied + monitored
- Safety incentives
- Strict safety hours regulation



近三年累计安全工时: 16,836,926

Accumulated Safety Hours of Recent Three Years: 16,836,926





#### HSE Objective HSE 目标

- Rate of three-level education for staffs reaches 100%; 员工三级教育率100%;
- Zero safety accident;
   安全零事故;
- Ensure HSE devices qualified 100%;
   衛保HSE设施100%合格;
- Eliminate great environmental pollution and ecology incidents 社總重大环境污染和生态事件:
- ➤ Eliminate food poisoning and epidemic infectious diseases; 社经食物中毒事件和流行性传染病事件。





# Health Safety Enviroment



















## 油气工程及运营服务(EPCC)

Oil-Gas Engineering and Operation Services (EPCC)



油气工程及服务(EPCC),是公司的主营及优势业务,在该领域,惠博普已形成了完备的技术产品及管理体系,能够向客户提供高效、节能、环保的油、气、水处理装备及工程EPCC总承包服务。

原油处理 Crude Oil Treatment 天然气处理 Natural Gas Treatment 油气开采 Oil-Gas Development







- ·油气分离 Oil Gas Separation
- ·油水分离 Oil Water Separation ·油砂分离
- Oil Sand Separation ·加热分离一体化
- Integration of Heating & Separation
- ·原油高效电脱 Electrical Dehydration of Crude Oil

- ·天然气脱水 Natural Gas Dehydration
- ·天然气脱硫/脱碳 Natural GasDesulfurization / Decarburization
- ·LNG液化 LNG Liquefaction
- ·LPG回收 LPG Recycling
- ·硫磺回收 Sulfur Recycling

#### 三次采油技术:

Tertiary Oil Recovery Technique:

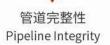
- · 锥阀式低剪切流量控制系统 Low Shear Taper Valve Type Flow Control System
- 油气井测试技术:

Oil & Gas Well Testing Technique:

- · 地面橇装测试装备 Skid-Mounted Surface Test Equipment
- 车载移动测试装备 Vehicle-Mounted Surface Test Equipment

Oil & Gas Engineering and Services (EPCC) is our main business with competitive strength. In this field, HBP has formed a complete technology and product system, which could provide customers with highly efficient, energy conservation, environment friendly oil, gas, water treatment equipment and general contracting service of EPCC project.













- · DCS和安全系统 DCS and Security System
- ·SCADA系统 SCADA System
- ·数字化生产管理平台 Digital Production Management Platform
- 管道完整性检测 Pipeline Integrity Testing 管道、站场信息数据采集及智能化
- 管道建设 Pipeline, Station Information Data Collection and Intelligent
- Pipeline Construction ·高后果区识别及安全风险评价风险 减缓与缺陷修复
- High Consequence Area Identification and Safety Risk Assessment Risk Mitigation and Defect Repair
- ·工程测量、航拍航摄、无人机巡线、 管道运营管理 Engineering Survey, Aerial Photography, UAV Line Inspection and Pipeline Operation Management

·保运、运行维护服务 Operation & Maintenance Services

## 环境工程及服务

**Environmental Engineering & Services** 

HBP

惠博普环境工程技术有限公司是惠博普集团旗下的全资子公司。公司环保业务涵盖环保技术研发、专业设备生产、环保工程设计与总承包、环保项目投融资与服务运营等全环境产业链过程。

HBP Environment Engineering Technology Co.,Ltd is the wholly-owned subsidiary of HBP Group. HBP's environmental protection business covers the whole environmental industrial chain process, including environmental technology research and development, professional equipment production, environmental engineering design & general contracting, environmental protection project investment & financing and operation service.



长庆油田污泥站 Sludge Station of Changqing Oilfield

# 石油石化环保 Petroleum & Petrochemical Environmental Protection

含油废弃物处理技术、设备及服务: Oily Waste Disposal Technology, Equipment & Services:

- ·油田含油废弃物减量化技术 Oil Field Waste Reduction Technology
- · 含油废弃物深度处理及无害化技术 Advanced Treatment and Innocuous Technology of Oily Waste
- · 储油罐机械清洗技术 Mechanical Cleaning Technology for Oil Tank
- · 石油炼化老化油回收处理技术
  Recovery and Treatment Technology of
  Aging Oil for Petroleum Refining
  工业废水处理技术、设备及服务:
  Industrial Wastewater Treatment Technology,
  Equipment & Service:
- 油田、电厂、药厂等工业废水处理 Oil Fields, Power Plants, Pharmaceutical Factories, and other Industrial Wastewater Treatment 废气处理技术、设备及服务:

Waste Gas Treatment Technology, Equipment & Service:

- ·油气回收处理装备
  Oil & Gas Recovery Treatment Equipment
  · 污染场地修复技术
- · 万采切吧修复技术
  Remediation Technology for Contaminated Sites

市政环保 Municipal Engineering Environmental Protection

- ·城市、乡镇生活污水处理厂 Urban & Township Sewage Treatment Plants 水环境综合治理:
- Water Environment Comprehensive Management:
- ·河道、湖泊、城市水系
  River Channel, Lake, Urban Water System
  大气污染治理:
  Air Pollution Control:
- ·锅炉烟气净化、区域环境降尘 Boiler Smoke Purification, Regional Environment Dust Fall Treatment

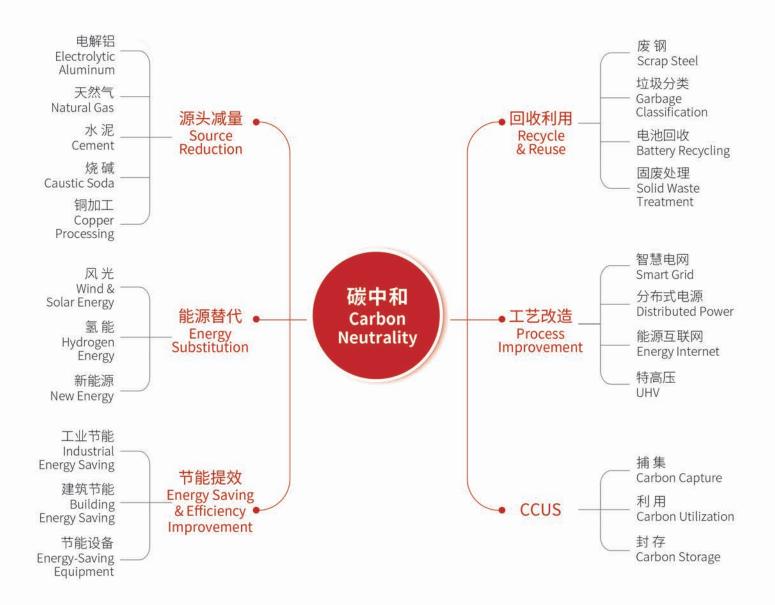




## 碳中和工程及服务

Carbon Neutrality Engineering & Services







#### 天然气 Natural Gas

- ·从事天然气田地面工程EPCC、EP项目20余年;
- ·成功完成全球30+国家和地区数十个EPCC项目。
- Engaged in EPCC and EP projects for gasfield surface engineering for over 20 years;
- · Successfully completed dozens of EPCC projects in 30+ countries and regions all over the World.



#### **CCUS**

- · 10年以上CCUS行业研发和项目经验的行业领导者;
- · 承担国内规模最大的CCUS项目-齐鲁石化百万吨级CO<sub>2</sub>回收利用项目。
- Industry Leader with over 10 years of R&D and project experience in CCUS industry;
- The largest CCUS project in China-Qilu Petrochemical Megaton/a CO, Recovery and Utilization Project.



#### 氢能 Hydrogen Energy

- · 持续开展氢能研发, 专注于绿氢的生产和储运领域;
- 在长沙推进当地第1套利用光伏电解制取绿氢和储氢加氢站项目。
- R&D in H<sub>2</sub> for several years, focusing on green H<sub>2</sub> production, storage & transportation;
- The 1st H<sub>2</sub> refueling station project using photovoltaic power generation for electrolysis of water in Changsha.



## 装备智造 Equipment of Intelligent Manufacturing

- 江苏、潍坊、长沙智能装备制造基地,聚焦油气和新能源;
- · 为全球油气客户提供数智化高端装备。
- Intelligent equipment manufacturing bases in Daqing, Weifang and Changsha, focusing on oil & gas and new energy;
- R&D and manufacturing of high-end facilities for Clients around the World.

## 碳中和工程及服务

Carbon Neutrality Engineering & Services



百万吨级CPF成套高效油气 处理系统:

叙利亚GBB油气中心处理站

Megaton CPF High-Efficiency Oil & Gas Processing System: Syria GBB Oil & Gas Central Processing Station CO,驱油项目:

延长石油靖边采油厂乔家洼油区 CO,驱油项目

CO, Flooding Project:

Qiaojiawa Oil Area Carbon Dioxide Flooding CO<sub>2</sub> Flooding Project for Yanchang Petroleum Jingbian Oil Production Plant 天然气CO<sub>2</sub>脱除及回收利用: 高尚堡油气处理厂天然气脱碳及

CO。回收利用工程项目

Natural Gas CO<sub>2</sub> Removal & Recovery: Natural Gas Decarbonization & CO<sub>2</sub> Recovery Project for Gaoshangpu Oil & Gas Treatment Plant

2016

中国首个百万吨级CCUS项目: 齐鲁石化煤制气装置尾气CO<sub>2</sub> 回收利用项目

The First Megaton CCUS Project in China:

Qilu Petrochemical's Coal-to-gas Plant Tail Gas CO<sub>2</sub> Recovery and Utilization Project

2000 2005

高效节能油气装备:

大港油田小集官二联合站 高效油气水分离器

High-Efficiency Oil & Gas Equipment:

High-Efficiency Oil-Gas-Water Separator for XJGE Joint Station in DaGang Oilfield 2008

2012

·油田CO<sub>2</sub>处理及回注: 大庆呼伦贝尔油田注CO<sub>2</sub>提高采 收率工程项目

·国内首座含油污泥处理站:

大庆油田采油四厂杏北含油污泥处理站

· Oilfield CO<sub>2</sub> Treatment & Reinjection:

Daqing Hulunbeier Oilfield CO<sub>2</sub> Injection Enhanced Oil Recovery Project

· The First Domestic Oily Sludge

Treatment Station:

Xingbei Oily Sludge Treatment Station for Daqing Oilfield No.4 Oil Production Plant

2015

光伏发电站项目:

徐州亿通10MW光伏发电站项目

Photovoltaic Power Station Project: Xuzhou YiTong 10MW Photovoltaic Power Station Project 2020

成立碳中和事业部: 聚焦碳捕集利用和封存(CCUS)、

新能源两大业务

Established Carbon Neutrality Division: Focusing on Carbon Capture, Utilization & Storage (CCUS), and New Energy

.....

2021

## 油气资源开发及利用一体化服务

Integrated Services for Development & Utilization of Oil and Gas Resources

惠博普集团旗下全资子公司,北京华油科思能源管理有限公司是一家专门从事城市燃气、天然气管道运营管理、LNG业务的专业化公司,业务范围覆盖10个省、市自治区和直辖市。近年来先后和中石油、中石化、中海油合作,在东北、华北、华中等地管理运营十几个子公司。本着"正直互信、朝气蓬勃、开拓创新、创造价值"的企业宗旨,为居民、公服、工业用户长期提供稳定、清洁、高效的天然气资源。

Beijing China Oil Kesi Energy Management Co.,Ltd, a wholly owned subsidiary of HBP Group, is a professional company specialized in the operation and management of urban gas, natural gas line, the LNG business, covering 10 provinces, autonomous regions and municipalities directly under the central government. In recent years, we have cooperated with Petro China, SINOPEC and CNOOC to manage more than a dozen subsidiaries in northeast, north China and central China. Adhering to the tenet of "Integrity Mutual Trust, Vigor and Vitality, Exploration and Innovation Value Creation", we provide stable, clean and efficient natural gas resources for residents, public services and industrial users for long time.



■ 勘探与地质研究
Exploitation & Geological Research

油田开发及运营 Oilfield Development & Operation

油井增产服务 Oilfield Production Enhancement Service

油气田地面工程 Oil & Gas Field Surface Engineering

> 石化工程 Petrochemical Engineering

一体化服务根据客户实际需要,为客户提供量身定 做的全方位服务

HBP

HBP can provide customized comprehensive integrated services for clients according to their requirements

服务内容既可以是新油田从开发到产品加工,也可以老油田的挖潜增效

Services range from greenfield development to oil & gas product processing , and also the brownfield oil recovery enhancement

业务形态以产量管理、产品分成等形式存在 Business in the forms of production management, product sharing and so on



#### 巴基斯坦NASHPA天然气处理EPCC工程

#### Natural Gas Treatment EPCC Project for NASHPA Oil Field in Pakistan

巴基斯坦NASHPA-1247凝析油气处理厂,年处理伴生气10亿方,日生产凝析油2600方;主工艺系统包括段塞流捕集、油气分离、凝析油稳定、分子筛脱水、DHX工艺回收LPG、LPG储存、商品气增压外输等;辅助系统有丙烷制冷、热媒油系统、空氮站、发电及配电系统、含油污水处理、消防系统、RO系统、LPG及凝析油装车系统等;日产LPG370吨、年产NGL10000吨。

Pakistan`s NASPHA-1247 condensate oil and gas processing and LPG recovery plant, has an annual gas treatment capacity of 1 billion cubic meters, with a daily production of 2,600 cubic meters of condensate oil. The main process system includes a slug flow catcher, oil & gas separation, condensate stabilization, molecular sieve dehydration, DHX process recovery LPG, LPG storage, and commodity gas supercharging external transportation, etc. Auxiliary systems include propane refrigeration, thermal oil system, air nitrogen station, power generation and distribution system, oily sewage treatment system, fire extinguishing system, RO system, LPG and condensate oil truck loading system, etc. Daily production of LPG is 370 Ton, and annual NGL production is 10,000 Ton.

巴基斯坦总理为惠博普颁发卓越贡献奖 ▼ Prime Minister of Pakistan Awarded HBP for its Excellent Contribution









Typical Track Records:International







#### 伊拉克米桑天然气脱酸EPCC工程

Natural Gas Deacidification EPCC Project for Missan Oil field in Iraq

米桑油田位于伊拉克东南部,装置将含 $H_2$ S伴生气( $H_2$ S含量2.3%,  $CO_2$ 含量4.8%)进行脱硫处理,用于发电;脱酸装置2套,进口压力为38~42bar,每套脱酸单元处理量为110x104sm³/d(38mmscf/d)。

Missan oilfield is located in southeast of Iraq. The equipment we supplied can desulfurize the associated gas that contains  $2.3\% \, H_2S$  and  $4.8\% \, CO_2$ . After treatment, the gas is used for power generation. There are two sets of deacidification units with  $38\sim42$  bar inlet pressure, and the treatment capacity of each unit is  $110\times104$  sm<sup>3</sup>/d (38 mmscf/d).





Typical Track Records:International









## 伊拉克米桑水处理EPCC工程 Water Treatment EPCC Project for Missan Oil Field in Iraq

综合水处理EPCC工程位于伊拉克米桑油田BUT南部新区,包括清水处理、含油污水处理和注水站三部分;其中,清水处理规模为11130m³/d,含油污水处理规模为10000m³/d,注水规模为14800m³/d。

The integrated water treatment EPC project is located in BUT southern new district of Iraq Missan oil field, including three parts: clearwater treatment, oily sewage treatment and water injection station. The treatment capacity of clearwater is 11,130m³/d, the treatment capacity of oily water is 10,000m³/d, the water injection capacity is 14,800m³/d.

Typical Track Records:International



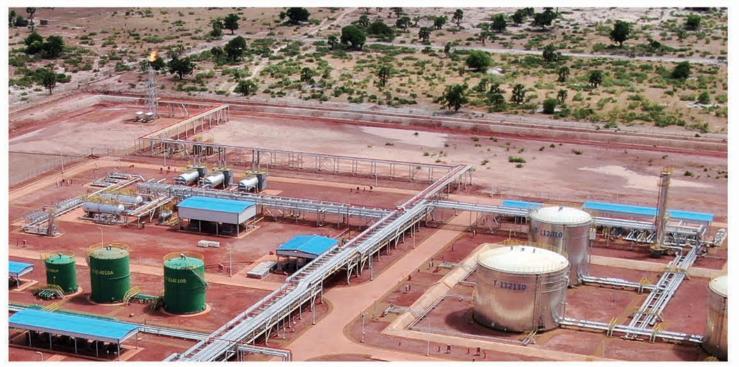




## 乍得BCOIII区块ORYX油田地面工程 Surface Engineering Project in Block BCOIII of ORYX Oilfield in Chad

乍得矿区BCOIII区块ORYX油田地面设备统包工程位于乍得南部贝诺依地区。ORYX油田地面工程包含4个区块: Mouroumar、Benoy、Mbaikoro及Benoy-west。主要工程包括: 1座中心处理站(CPF),1座三相混输泵站(TPPS), CPF与TPPS之间油气混输管线和注水管线,33KV输电线路;15口油井和1口注水井;单井管线等。

The surface equipment turn-key project in Block BCOIII of ORYX oilfield is located in Benoy of southern Chad. The total ORYX oilfield surface engineering project consists of four blocks: Mouroumar, Benoy, Mbaikoro and Benoy-west. The main projects include: 1 center processing facilities (CPF), 1 three-phase mixture pump station (TPPS), oil-gas mixed pipelines and water injection lines between the CPF and the TPPS, 33KV transmission line strings, 15 production wells, 1 injection well, and single well pipelines, etc.



Typical Track Records:International





#### 哈萨克斯坦普罗尔瓦油田伴生气脱硫装置建设工程

Kazakhstan Proval Oilfield Associated Gas Treatment Desulfurization Device Construction Project

该项目是将来自普罗尔瓦油田的石油伴生气,进行脱硫及低温分离,生产合格的商品天然气和凝析油,脱除后的酸气H<sub>2</sub>S经硫磺回收系统,生产出粒状商品硫。

In this project, associated gas from Proval Oilfield undergoes desulfurization and low-temperature separation to produce qualified commercial natural gas and condensate, while granular commercial sulfur is obtained through Sulfur Recovery System from removed  $H_2S$  in acid gas.





Typical Track Records:International



♥ 伊拉克艾哈代布CPF油气处理装备工程 Iraq Ahdab CPF Oil Gas Treatment Equipment Project



▼ 哈萨克斯坦北布扎奇天然气处理站工程 Kazakhstan North Buzachi Natural Gas Treatment Station Project



▼ 伊拉克哈法亚井间管线集输工程 Iraq Interwell Pipeline Gathering and Transmission Project in Halfaya Oilfield



Typical Track Records:International



▼ 阿尔及利亚SBAA油田转油站工程 Algeria SBAA Oilfield Oil Transfer Station Project



▼ 埃塞俄比亚Hilala区块原油试采EPCC工程 Ethiopia Hilala Block Crude Oil Pilot Production EPCC Project



▼ 科威特KOC含油污泥处理站 Kuwait KOC Oily Sludge Treatment Station



▼ 向厄瓜多尔石油公司提供组合式加热分离器 Provide Combined Heating Separator for Ecuador Petroleum Company



▼ 伊拉克米桑原油电脱盐改造工程 Iraq Missan Crude Oil Electro-Desalting Modification Project





▼ 中东MIS工程 Middle East MIS Project



▼ 乍得BABOB油田相变式加热炉 Phase Changing Heat Furnace for Chad BABOB Oil Field





▲ 哈萨克斯坦肯吉亚克盐下分子筛扩建工程 Kazakhstan Kenkiyak Molecule Sieve Project

Typical Track Records:International



▼ 中东GBB油田CPF油气处理工程 GBB Oilfield CPF Oil & Gas Treatment Project in Middle East



▼ 哈萨克斯坦扎那若尔油田4号气举天然气脱水工程 Kazakhstan Zhanazhol Oilfield No.4 Gas Lift Natural Gas Dehydration Project



▼ 科威特WJO测试分离器 Kuwait Well Testing Equipment for WJO



▼ 哈萨克斯坦埃米尔油田油气联合处理站工程 Oil & Gas Combined Treatment Station Project in Emir Oilfield,Kazakhstan



▼ 伊拉克哈法亚测试分离器和多通阀工程 Iraq Halfaya Test Separator and Multi Way Valve Project



Typical Track Records:Domestic



▼ 大庆油田天然气处理装置 Daqing Oilfield Natural Gas Processing Device





▲ 青海油田污泥处理站
Qinghai Oilfield Sludge Treatment Station

Typical Track Records:Domestic



▼ 向中海油113号FPSO提供的高效油气处理设备 Provide High-efficiency Oil-dehydrate Treatment Equipment for CNOOC No.113 FPSO









▲ 向中石化胜利海洋公司海上处理平台提供的高效油气水处理设备
Provide High-efficiency Oil-dehydrate
Treatment Facilities for Sinopec Shengli
Offshore Operation Platform



▲ 大庆油田聚合物分散装置
Daqing Oilfield Polymer Dispersion Device



▲ 大庆油田采油一厂污泥处理现场 Daqing No.1 Oil Production Plant Sludge Treatment Site



▲ 中国第一座三元复合驱配置注入站 China First Alkaline-Surfactant-Polymer (ASP) Flooding Injection Station

Typical Track Records:Domestic



▼ 高尚堡油气处理厂天然气脱碳及CO₂回收利用工程 Gaoshangbao Oil & Gas Treatment Plant Natural Gas Decarbonization and CO₂ Recovery Project



▼ 长沙水质净化厂分布式光伏工程 Distributed Photovoltaic Project of Changsha Water Purification Plant





▲ 高纯度CO<sub>2</sub>(纯度≥99.996%,回收率≥99%)生产装置,可满足工业级和食品级应用要求 High-purity CO2 (Purity ≥99.996%, Recovery Rate ≥99%) Production Device, Meeting The Requirements of Industrial Grade and Food Grade Applications



▲ 大庆化工集团二氧化碳回收利用工程
Daqing Chemical Group CO<sub>2</sub> Recovery and Utilization Project

Typical Track Records:Domestic



▼ 大庆呼伦贝尔油田注CO₂提高采收率开发试验地面工程 Surface Engineering Project of Daqing Hulunbeier Oilfield CO₂ Injection to Enhance Oil Recovery



▲ 徐州亿通10MW渔光互补光伏工程 Xuzhou Yitong 10MW Fishing and Solar Complementary Photovoltaic Project



▲ 齐鲁石化百万吨级二氧化碳回收利用工程 Qilu Petrochemical's Megaton CO₂ Recovery and Utilization Project

▼ 长沙水业集团光伏发电制取绿氢工程

## 未来展望

### **Future Prospects**



- ▲ 惠博普集团立志成为一家国际化的油气资源开发及利用综合解决方案 服务商,致力于为全球客户提供高效、清洁的能源及能源生产方式。
- ▲ 惠博普集团制定了上中下游一体化的发展蓝图。同时通过持续不断的 技术创新、高效服务,积极参与国际市场竞争和国际市场开拓,确立 了国际化发展战略。
- ▲ 惠博普集团不断开拓业务领域,正积极布局海洋油气工程服务市场和 非常规油气开发服务市场。
- ▲ 面对油气行业的新形势,惠博普集团大力推进油气资源开发和利用一体化服务业务,通过项目总包、风险共担的思路为新兴的油气公司提供从资源勘探、开发、地面工程到炼化加工工程的全产业链服务。
- ▲ 受惠于中国政府"一带一路"政策,惠博普集团将持续加大中东、中亚以及非洲等新兴油气资源国的市场开发力度。
- A HBP aims to be an international service provider of integrated solutions for oil and gas resources development and utilization, dedicates to providing global customers with efficient & clean energy and energy production methods.
- ▲ HBP has developed a blueprint of the integrated development through the up, middle and down streams of oil & gas industry. Meanwhile, through our persistent technological innovation and efficient service, HBP actively devotes to international market development, and has established an international development strategy.
- A HBP is keeping to explore the new business areas and laying out the development scheme of the offshore oil and gas engineering services market and unconventional oil and gas development services market.
- In front of the new challenges in the oil and gas industry, HBP vigorously promotes the business of integrated all-in-one service covering the whole industrial chain of oil and gas resources development and utilization.Based on the concept of general contracting and risks sharing, we will provide a full industrial chain service to emerging oil and gas companies, ranging from resources exploration, development, surface engineering to refining and chemical processing engineering.
- Benefited from the Chinese government's "One Belt,One Road" Initiative, HBP will enhance the market development in the Middle East, Central Asia and emerging oil and gas resources areas such as Africa.

