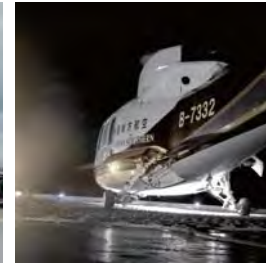
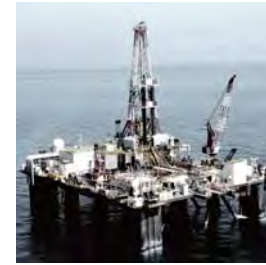




14A, Hanjing International Tower
Dengliang Road, Shekou, Shenzhen, China

Tel: +86 755 8828 7000
Fax: +86 755 2167 0169
Website: www.pdvpower.net
Email: pdv@pdvpower.com

【 勤 奋 务 实 专 业 高 效 】



【 Diligence, Veracity, Professionalism, Efficiency. 】

承载希望，成就梦想！

成功的执行每一个项目，为世界欠发达国家带来电力是我们的使命。

Your vision, our mission!

Our mission is to bring electricity to underdeveloped areas, by following our strongest belief: all the power plant projects we undertake, must be successfully executed promise.

DILIGENCE

Diligence is one of the spirits of unceasing self-improvement and marching forward courageously, and also the most distinctive virtue of PDV.

勤奋

勤奋是一种自强不息、勇往直前的精神，也是勤实人最具魅力的品格！

VERACITY

Veracity, characterizing the PDV, is an attitude and even wisdom.

务实

求真求实是勤实人的风格，是一种为人处事的态度，更是一种智慧！

SPECIALIZATION

Specialization is the strategy for an enterprise to develop itself. PDV focuses itself on the field of the global distribution power plant and offshore platform crude oil power station, spares no effort to set itself apart from the others by creating the advantages in competition.

专业

专业化是企业发展战略，勤实专注于全球分布式电站和海洋平台原油电站领域，不断加深企业差异化，创造竞争优势！

EFFICIENCY

High efficiency & low cost is the key point for an enterprise to survive and maintain its leading position in the fierce market competition.

高效

高效率、低成本是企业赖以生存的根本，在激烈的市场竞争中立于不败之地！

天道酬勤 实至名随

天道酬勤、地道酬善、人道酬诚、商道酬信、业道酬精
谈辞听奋发，仪度看修整，实至名随，有如灯取影。

Heaven rewards **DILIGENCE**, Be diligent when doing all things, be eager to help others and do more good deeds; treat each individual sincerely, do business with trustworthiness, and be proficient in the industry you work in. Every effort will be returned with an equal reward.

The honor is based on actual achievements and **VERACITY**. A person's passion and ideals can be heard from their conversational style. Culture and conduct can be seen from a person's appearance. Reputation will come naturally, only with real knowledge, ability or merit. Just like light and its shadow.

Tenet of Factory: Diligently to do everything, sincerely to treat everyone.

Our Motto: Your vision, our mission.

Our Vision: PDV's vision is to become a world-wide recognized power plant service provider for its outstanding quality.

Our Mission: Our mission is to bring electricity to underdeveloped areas, by following our strongest belief: all the power plant projects, we undertake, must be successfully executed promise.

Brand Promise: PDV's commitment is to find the perfect solution for every power plant project and transform it into reality with professionalism and efficiency.

Brand Position: PDV positions itself on the high-end international power plant market as an enterprise offering only excellent products and impeccable services.

Brand Values: Diligence, Veracity, Professionalism, Efficiency.

厂训: 勤勤恳恳地做事，实实在在地做人。

口号: 承载希望，成就梦想！

企业愿景: 成为全球知名的优质的电站服务商。

企业使命: 成功地执行每一个项目，为世界欠发达地区带来电力。

品牌承诺: 为每一个电站项目寻找完整的解决方案，并专业、高效地实现。

品牌定位: 务实定位于国际高端电站市场，提供高性价比的产品和零缺陷的服务。

品牌价值观: 勤奋，务实，专业，高效。

FOREWORD BY CEO



Since it was established, PDV has been focusing on fields of the global distributed HFO power plants, committed to the exploitation and utilization of renewable energy, all along persisting in it's high-end development course for specialization and elaboration. with years of kind support and cooperation from it's valuable customers; PDV has grown into a international enterprise with sound reputation and impressive brand image in this field.

YOUR VISION, OUR MISSION - our motto means that the customer's vision is our mission. Our success could not be achieved without fulfilling the customer's vision, so, that is why we undertake anything with diligent and pragmatic attitudes and professional & efficient style. We highly value the quality & service, the customer's trust & our credit standing as our most precious wealth. With accumulative days and months, a distinctive PDV's culture highly recognized by our customers is gradually taking shape!

I am constantly reflecting about this question: what is the key point for private enterprise to survive the fierce competition and maintain its leading position? In my opinion, the key point lies in leading technology, normalized management, efficient and low-cost operation, a team with powerful implementation, flexible personnel mechanism, diversified cooperation mode, and distinctive corporate culture.

To establish PDV into an ever-green century enterprise is our vision! I will pilot with all of our power, aspiration, objective, executable plans and unremitting efforts to make it come true!

勤勉自成立以来，专注于重质燃油全球分布发电领域，致力于可再生能源的开发与运用，始终坚持走专业化、精细化的高端发展路线，在广大客户多年以来的关心与支持下，如今已成为行内具有良好口碑、深受客户信赖的国际化企业。

承载希望，成就梦想！是我们的行动口号。客户的梦想就是我们的使命，只有成就了他人，才能成就自己。勤奋、务实的态度，专业、高效的风格，将产品质量与服务视为企业的生命，将客户的信任和企业的信誉视为最具有价值的财富，日积月累中形成了一种能广泛被人接纳和容易得到客户高度认同的勤勉文化！

我常反思，民企的出路究竟在哪里？科技领先、规范管理、高效低成本运作、打造一支执行力强的团队、灵活的用人机制、多元化的合作模式，并在长期实力打拼的过程中形成一种特有的企业文化。我认为这才是出路。

唐江

■ Discovering PDV

- ◆ 公司简介 Company Profile 9 - 10
- ◆ 历史沿革 Historical Milestones 11 - 12
- ◆ 产业布局 Industries Layout 13 - 14
- ◆ 勤实文化 PDV Culture 15 - 18
- ◆ 组织架构 Organization Chart 19
- ◆ 工业园区 Industrial Park 20

■ Understanding PDV

- ◆ 主营业务 Main Business 23 - 24
- ◆ 技术实力 Technical Expertise 25 - 28
- ◆ 技术革新 Technical Innovation 29 - 30
- ◆ 资质证书 Qualifications 31 - 32

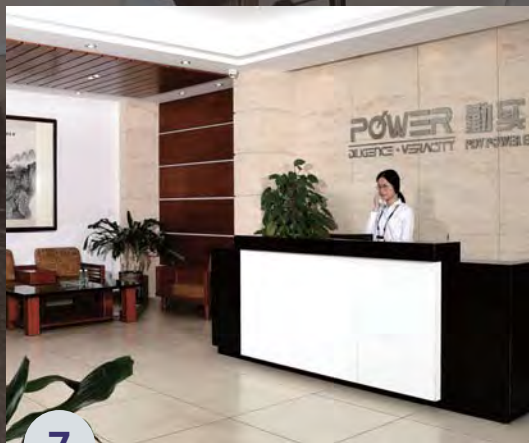
■ Focusing on PDV

- ◆ 产品系列 Showcase of Products 35 - 42
- ◆ 经典项目 Typical Projects 43 - 58





Discovering PDV



- ✦ 公司简介 Company Profile 9 - 10
- ✦ 历史沿革 Historical Milestones 11 - 12
- ✦ 产业布局 Industries Layout 13 - 14
- ✦ 勤实文化 PDV Culture 15 - 16
- ✦ 组织架构 Organization Chart 19
- ✦ 工业园区 Industrial Park 20

COMPANY PROFILE

PDV Power is devoted to the market for crude oil power stations on off-shore drilling platforms and large-scale stationary HFO power plants. PDV specializes in the Full Turnkey Engineering power plant design, equipment manufacturing, complete system and installation engineering, as well as operation and management service. Currently, PDV is the best-performing and most professional Chinese HFO power plant EPC contractor. Presently, we have successfully accomplished more than 160 high rating DG sets with a total installation capacity of approximately 1500MW. In recent years, we focus on Independent Power Plant (IPP) Projects investment, whilst working with large central enterprises in developing EPC+F Power Plants. In Iraq, there are two HFO IPP Projects with capacity of 42MW and 51MW which are invested 100% by PDV.

PDV boasts a powerful technical team, and the working experience of the core technical staff are between 15 to 30 years. Over the years, PDV has been committed in the development of energy saving technologies, large-scale equipment localization, and the research of 3D design. Among them, 3D design is one of our major highlights. PDV owns a self-developed design platform, full digital 3D design, 100% power plant simulations, completely perfect solution, which greatly improves the quality of production and engineering, shortening the duration, increasing efficiency and reducing cost. Currently, it is considered to be a global leader in the industry.

Your Vision, our Mission is our motto! Diligence, Pragmatism, Professionalism and Efficiency is our philosophy. Our mission is to bring electricity to underdeveloped areas, by following our strongest belief: all the power plant projects which we undertake must be successfully executed. PDV positions itself on the high-end international power plant market as an enterprise offering only excellent products and impeccable service. Our promise is to find the perfect solution for every power plant project and transform it into reality with professionalism and efficiency. PDV has long since been gaining the trust and support of our customers, and has established long-term strategic partnerships with many renowned enterprises in the industry! We will, as always, strive to become the world's leading high-quality power plant service



勤实电力专注于海上平台原油主电站和大型陆用重油电站领域，专业从事电站设计、设备制造、系统成套及安装等完整的“交钥匙”工程，包括后期的运维管理服务。是目前业绩最好、最专业的重油电站EPC中国承包商。已成功完成了一百六十多台大功率发电机组，总装机容量超过一百五十万千瓦。近年来，公司将重心转为独立投资IPP项目，同时与大央企联合开发EPC+F的电站，目前在伊拉克已有两座装机容量分别为42MW和51MW属于勤实100%独立投资的IPP电站。

公司拥有一支强大的技术队伍，核心团队成员的工作经验均在十五年至三十年。多年来致力于节能技术、大型装备国产化技术、电站三维设计的研究，其中三维设计是公司的其中一大亮点，自主研发的协同设计及合图平台、数字化三维设计、100%电站模拟、完整的解决方案，大大提高了产品及工程的质量，缩短了工期，提高了效率，节约了成本。到目前为止，在行业内处于全球领先地位。

承载希望，成就梦想！是我们的行动口号。勤实、务实、专业、高效是我们的理念。成功地执行每一个项目，为世界欠发达地区带来电力，是我们的使命。勤实定位于国际高端电站市场，提供高性价比的产品和零缺陷的服务。承诺为每一个电站项目寻找完整的解决方案，并专业、高效地实现。长期以来赢得广大客户的信赖与支持，与业内多家名企具有长期的战略合作关系！我们将一如既往地努力，力争成为全球知名的优质的电站服务商！

POWER
DILIGENCE
VERACITY

HISTORICAL MILESTONES



Company Founded

Entered Overseas Market

Obtain GKO EPC+O Project

Entered CNOOC Offshore

Win the bidding of three Island Power Plant Projects financed by the World Bank

Obtain qualification as Contractor of CNOOC

Obtain qualification as Supplier of CNOOC

Purchase old Power Plant

Purchase Conbao Power Plant

Win the bidding of three HFO Power Plant Project with total Installation capacity of 400MW

Founded Engineering Base

Dongguan Engineering Base Founded

Take Over the O&M of Antigua-Barbuda Power Plant Assisted by Chinese-Government

Power Plant Investment

Purchase all the four Power Plant in HuaDu

Win the First Localization Main FPS Crude Oil Power Plant in CNOOC Offshore Platform

Win the bidding of Comoro Power Plant

Win BOP 100MW Power Plant In Ecuador

Invest 60 MW Power Plant In Karbala of Iraq

Win Fiji Power Plant Project

Win 40MW Power Plant In South Australia

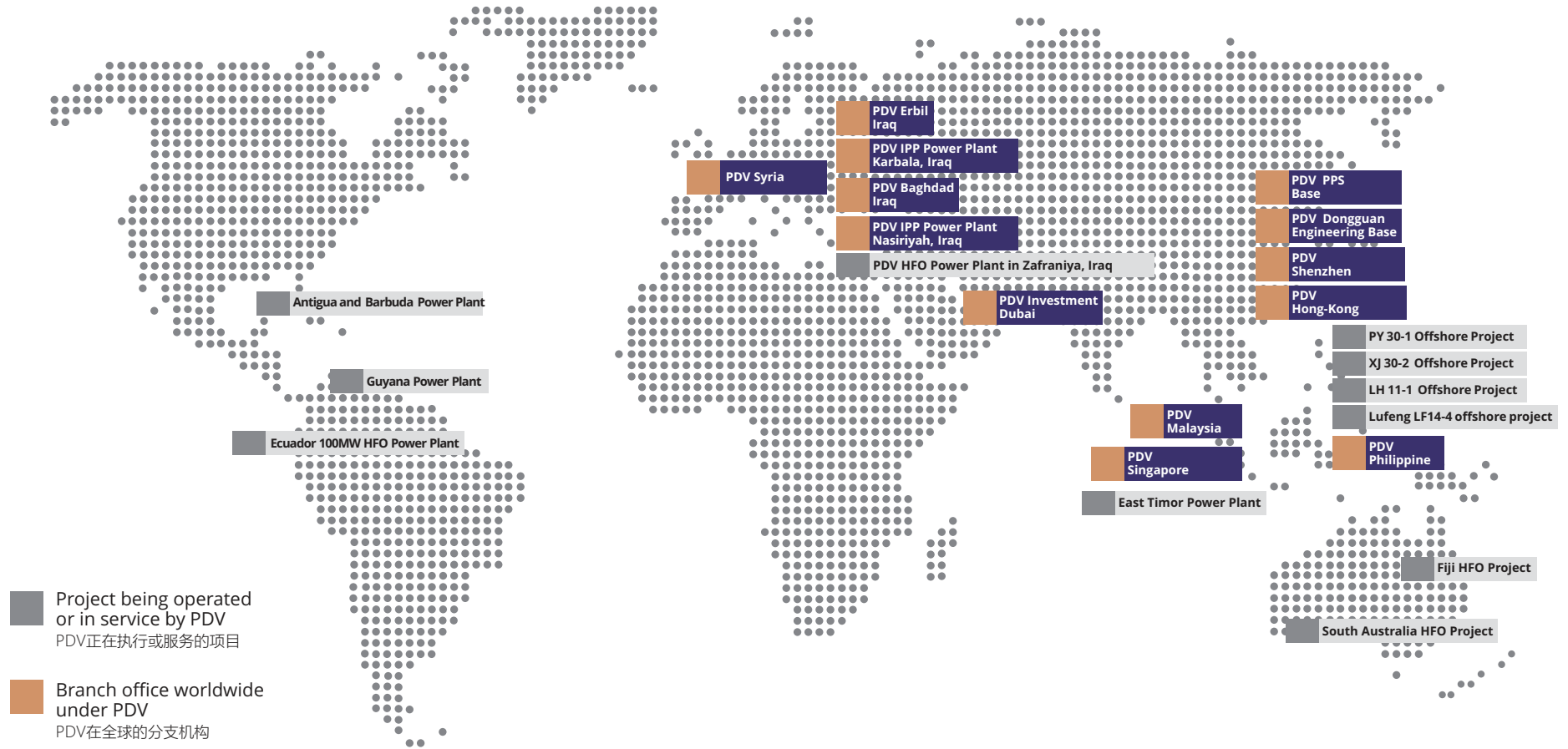
Invest 51 MW Power Plant In Nasiriyah of Iraq

PPS Production Base Founded

Factory upgrade modification plan set in motion



INDUSTRIES LAYOUT



PDV PHILIPPINE



PDV IRAQ



ENGINEERING BASE



PDV SHEN ZHEN



PDV MALAYSIA



PPS BASE



PDV HEAD OFFICE

PDV CULTURE

PDV is where our dreams begin...
勤实是我们梦开始的地方... ..



Youth blooms in strive and ideal flies in struggle!
青春在奋斗中绽放，理想在拼搏中飞扬



OUR MOTTO

Your vision, our mission!



METICULOUS MANAGEMENT

精细化管理

Employing Toyota Japan experts, with more than 30 years of factory management experience, to lead the improvements of the factory, improve the production environment, production efficiency and introduce a visual management system. 聘用日本丰田具有三十多年工厂管理经验的专家负责指导工厂改善，改善生产环境、提升生产效率，优化工艺流程，导入可视化管理系统。



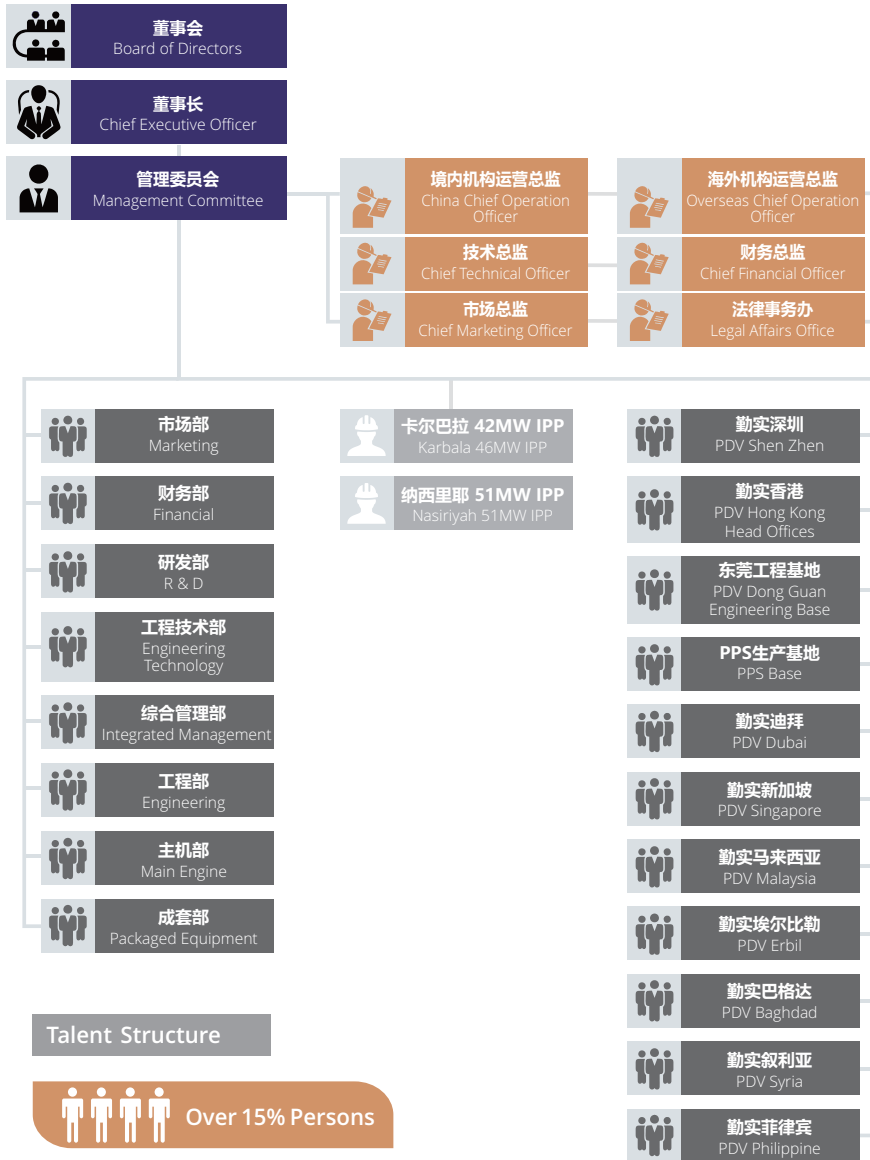
The CEO personally participated in all the consultations and supervised the implementation of the recommendations. 董事长亲自参与培训并监督工厂改善的实施。



Diesel engine maintenance technicians engaging in advance studies at the German MAK facility. 柴油机维修技师们在德国MAK工厂进修



ORGANIZATION CHART



Talent Structure

Over 15% Persons

15-30 years (and above) of relative working experience

Over 30% Persons

Over 10 years of working experience concerned

INDUSTRIAL PARK

工业园区

PPS BASE

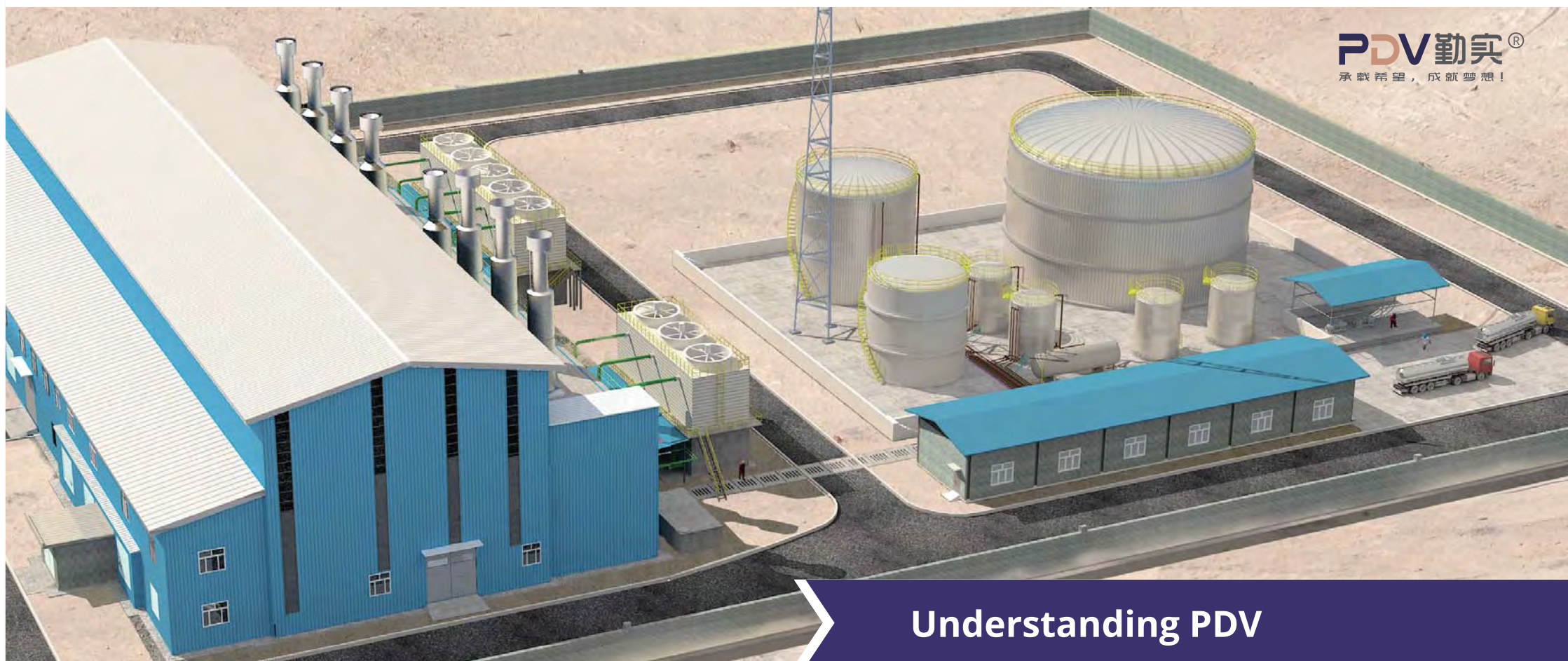


ENGINEERING BASE



- Auxiliary Plant
- Maintenance Plant
- Electrical Plant
- Sheet Metal Plant
- Electric Panel Plant
- Machining Plant
- Spare Parts & Material Warehouse





Understanding PDV



- ◆ 主营业务 Main Business 23 - 24
- ◆ 技术实力 Technical Expertise 25 - 28
- ◆ 技术革新 Technical Innovation 29 - 30
- ◆ 资质证书 Qualifications 31 - 32

MAIN BUSINESS

1 / 5

Crude Oil Power Plant on Offshore Platform [海上平台原油电站]

- Power Plant Design
- Engineering Consultant
- Equipment in Skid
- Maintenance of System Equipment
- Overhaul of Crude Oil Generating Sets
- Power Plant Project on Full Turnkey Basis



3 / 5

Upgrading and Modification of Power Plants [电站的升级改造]

- Engineering Design
- Equipment Dismantle and Transportation
- Maintaining and Adjusting
- Installation and Commissioning



2 / 5

HFO Power Plant and Combined Cycle [重油电站联合循环]

- Engineering Design
- Auxiliaries Units Manufacturing
- Electrical Panels Manufacturing
- EPC Engineering



4 / 5

Investment and Financing and HFO Power Plant [重油电站投融资]

- IPP Project investment
- Large-scale HFO Power Plant investment
- EPC+ Financing for HFO Power Plant



5 / 5



Development and Application of New Energy Technology [新能源技术开发及运用]

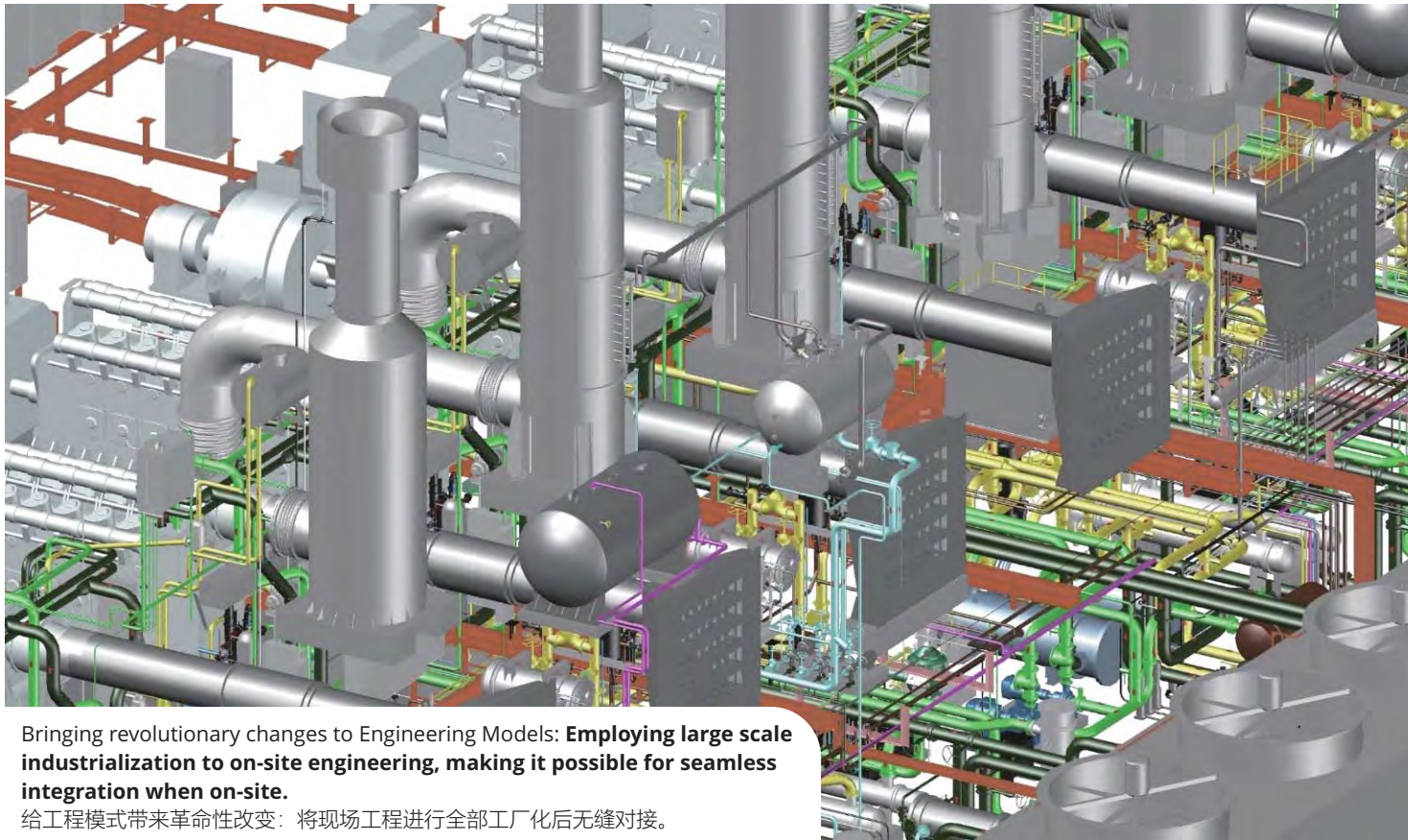
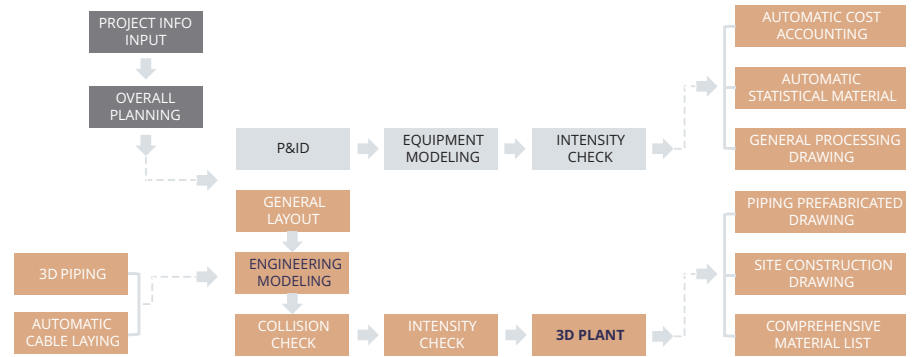
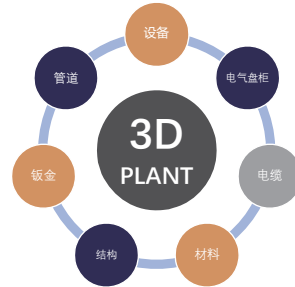
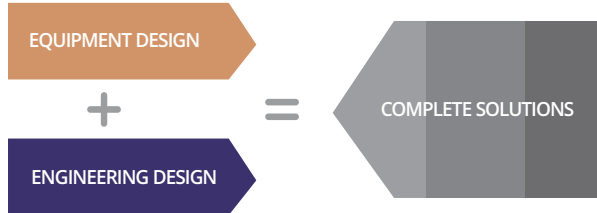
- CPO
- Biodiesel
- Biofuel
- Hybrid Power

TECHNICAL EXPERTISE

FULL 3D DIGITAL DESIGN



Equipment Design Combined With Engineering Design Perfectly



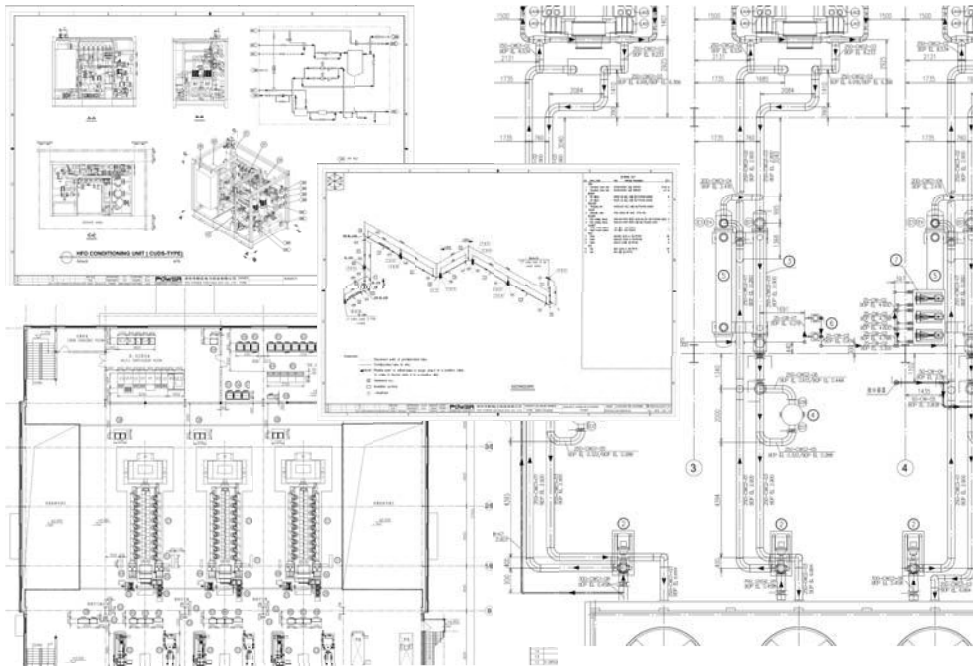
Bringing revolutionary changes to the manufacturing of non-standard conventional equipment:
Allowing for assembly line operations and standardization to be possible.
 给非标设备制造带来革命性的改变：
 流水线作业和标准生产化成为可能。



Bringing revolutionary changes to Engineering Models: **Employing large scale industrialization to on-site engineering, making it possible for seamless integration when on-site.**

给工程模式带来革命性改变：将现场工程进行全部工厂化后无缝对接。

AUTOMATIC GENERATED ENGINEERING DRAWINGS



3D LIGHTWEIGHT MODELS SUITABLE FOR DIFFERENT MULTIMEDIA



3D RENDERING



EQUIPMENT 3D MODELING



TECHNICAL INNOVATION

Research in Localization of Main Power Plants at The CNOOC Offshore Platforms

Participation in the scientific research projects relating the field of offshore oil to make contribution to the deep-sea oil exploitation strategy of China's 12th Five-Year Plan for National Economic and Social Development



Achievements From Patented Technologies

Intensify the extent of R & D, follow the self-reliant innovative course, and obtain multiple patents.



NO.	PATENT NAME		PATENT NO.
1	一种排压防爆的75MVA变压器	75MVA transformer with pressure discharge & explosion proof	ZL201520810695.X
2	一种新型消声器	A new type of muffler	ZL201620317303.0
3	三通管	Tee pipe	ZL201420718634.6
4	一种石油分离装置	A Petroleum separation unit	ZL201621007219.5
5	一种方便型配电柜	Convenient power distribution cabinet	ZL201410543783.8
6	一种新型板式换热器	A new plate type of heat exchanger	ZL201620857313.3
7	一种新型高低压开关柜	A new type of high and low voltage switchgear	ZL201620395292.8
8	一种具有过滤结构的分油器	Oil separator with filter composition	ZL201620532931.0
9	重油分离模块	HFO Separator Module	ZL201320244636.1
10	燃油单元	Fuel unit	ZL201320244554.7
11	集装箱电站	Packaged Power Station (PPS)	ZL201320244646.5
12	滑油分离模块	LO Separator Module	ZL201320244675.1
13	大功率柴油发电机组用组合模块	Combined Module	ZL201921587971.1
14	一种用于柴油发电机组的空气过滤装置	Air filter Device for Diesel Engine	ZL201921587972.1
15	一种用于柴油发电机组的废气消音装置	Exhaust Gas Silencer Device	ZL201921587973.1
16	大功率柴油发电机组用燃油循环装置	HFO Conditioning Device	ZL201921587974.1
17	大功率柴油发电机组用空气减压装置	Air reducing Device	ZL201921587975.1
18	大功率柴油发电机组用蒸汽冷凝器装置	Steam Condenser Devcice	ZL201921587976.1
19	一种多环境因素可用的移动式柴油厢式电站	Mobile Diesel Package Power Station	ZL201810184450.9

QUALIFICATION



QUALIFICATION AS CONTRACTOR FOR CNOOC



TECHNICAL GRADING CERTIFICATE



ABB AUTHORIZED DISTRIBUTOR CERTIFICATE



CONSTRUCTION ENTERPRISE QUALIFICATION CERTIFICATE



INTELLECTUAL PROPERTY MANAGEMENT SYSTEM CERTIFICATION



ISO 14001:2015 THE MANAGEMENT SYSTEM OF ENVIRONMENT



ISO 14001:2015 THE MANAGEMENT SYSTEM OF ENVIRONMENT



NEW HIGH-TECH ENTERPRISE CERTIFICATION OF CHINA



NEW HIGH-TECH ENTERPRISE CERTIFICATION OF SHENZHEN



COC OF A.C. SWITCHGEAR



CCC OF CONTROL PANEL



CCC OF POWER DISTRIBUTION CABINET



OHSAS 18001:2007 THE MANAGEMENT SYSTEM OF OCCUPATIONAL HEALTH & SAFETY



OHSAS 18001:2007 THE MANAGEMENT SYSTEM OF OCCUPATIONAL HEALTH & SAFETY



RADIOGRAPHY TESTING



RADIOGRAPHY TESTING



COC OF LV SWITCHGEAR ASSEMBLIES



CCC OF MNS CABINET



CCC OF GCS CABINET



ISO 9001:2015 THE MANAGEMENT SYSTEM OF QUALITY CHN



ISO 9001:2015 THE MANAGEMENT SYSTEM OF QUALITY ENG



QUALIFICATION CERTIFICATE OF ENGINEERING DESIGN



INSURANCE CERTIFICATE OF RESPONSIBLE FOR RECONNAISSANCE & DESIGN



QUALIFICATION CERTIFICATE OF ENGINEERING DESIGN



DESIGN LICENSE OF SPECIAL EQUIPMENT



WORK SAFETY STANDARDIZATION CERTIFICATE



CCC OF DISTRIBUTION BOARDS



CCC OF MNS CABINET



CCC OF GCS CABINET



CCC OF LV SWITCHGEAR ASSEMBLIES

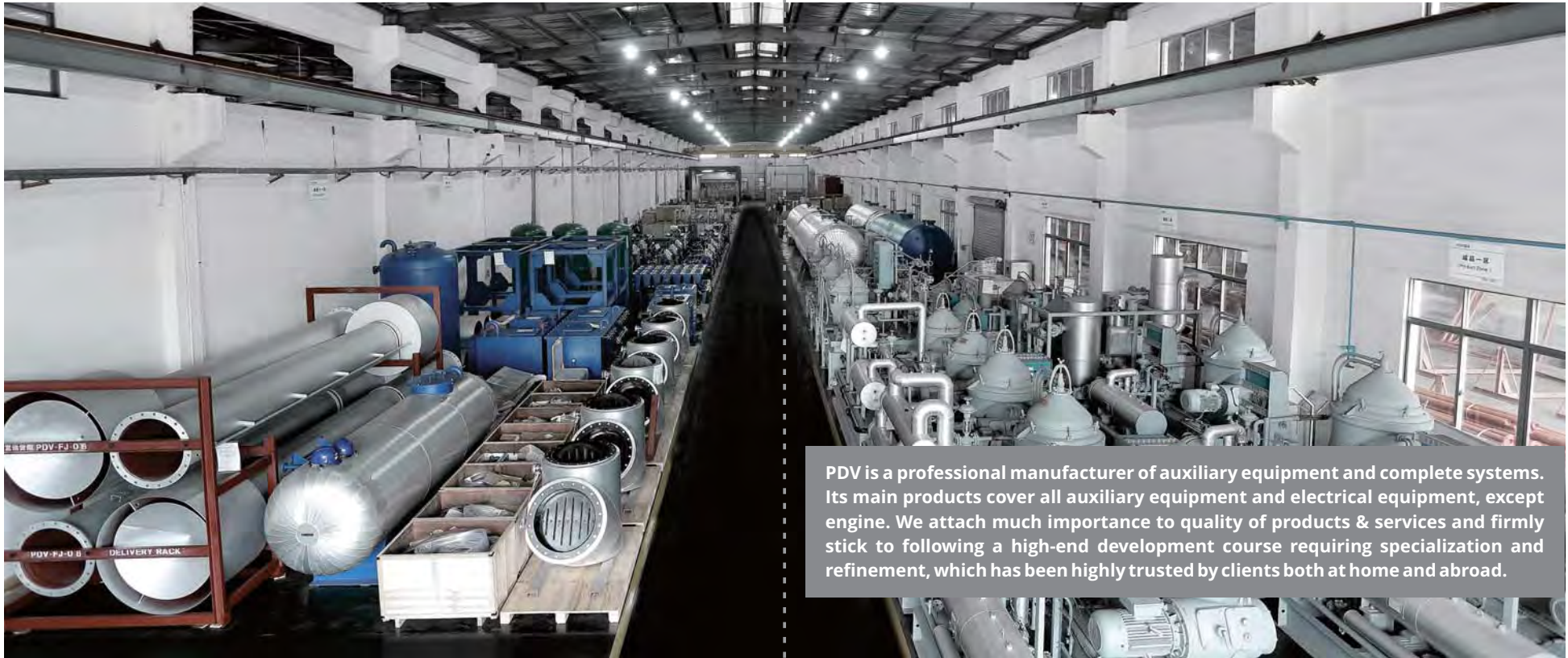


Focusing on PDV



- ◆ 产品系列 Showcase of Products 35 - 42
- ◆ 经典项目 Typical Projects 43 - 58

SHOWCASE OF PRODUCTS



PDV is a professional manufacturer of auxiliary equipment and complete systems. Its main products cover all auxiliary equipment and electrical equipment, except engine. We attach much importance to quality of products & services and firmly stick to following a high-end development course requiring specialization and refinement, which has been highly trusted by clients both at home and abroad.



AUXILIARY MODULE SERIES



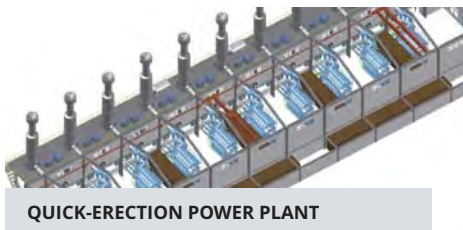
OFFSHORE EQUIPMENT



ELECTRICAL PANEL SERIES



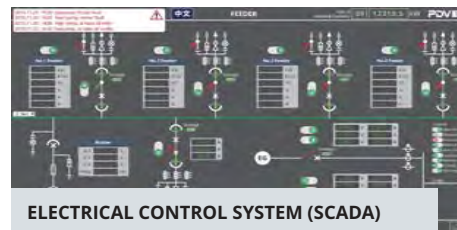
ELECTRICAL ISLAND



QUICK-ERECTION POWER PLANT



PACKAGED POWER STATION (PPS)



ELECTRICAL CONTROL SYSTEM (SCADA)



PLC MODULES

SHOWCASE OF PRODUCTS

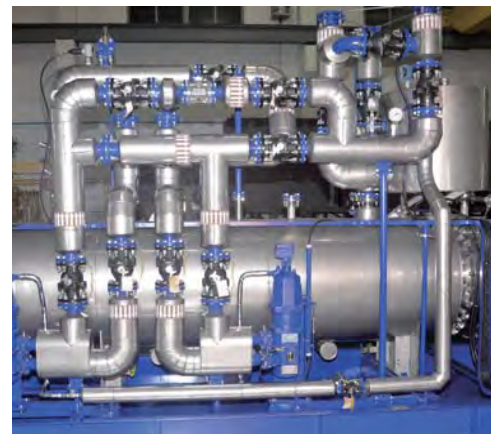
1 / 8

Auxiliary Module Series



2 / 8

Offshore Equipment



SHOWCASE OF PRODUCTS

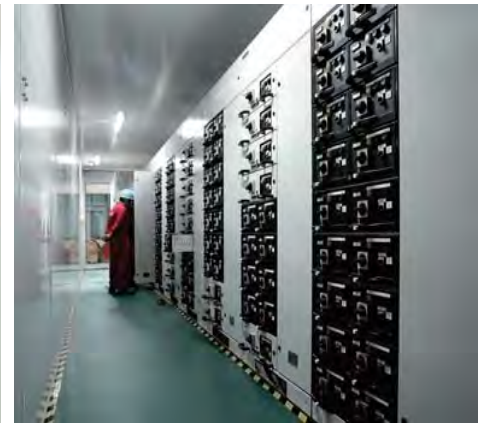
3 / 8

Electrical Panel Series



4 / 8

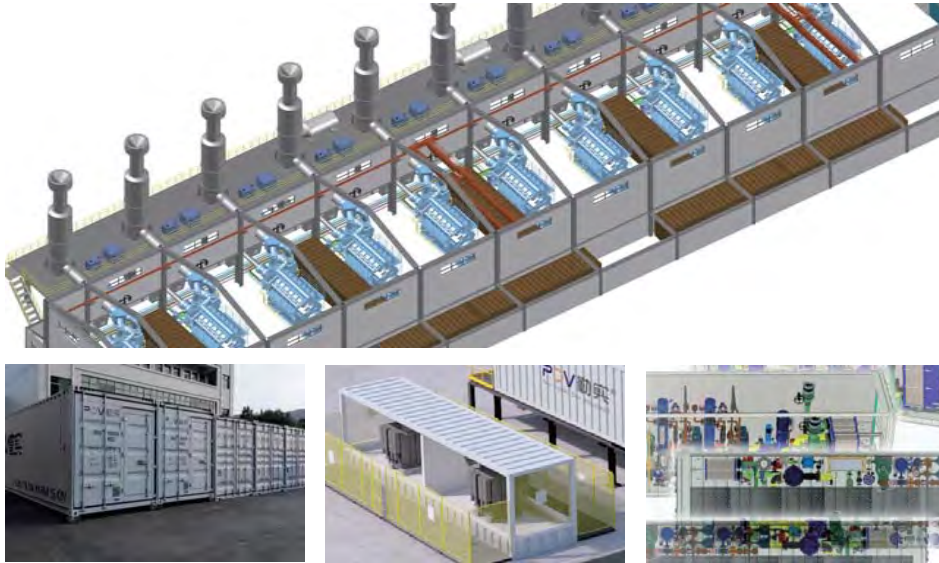
Electrical Island



SHOWCASE OF PRODUCTS

5 / 8

Quick-Erection Power Plant



7 / 8

Electrical Control System (SCADA)



6 / 8

Packaged Power Station (PPS)



8 / 8

PLC Module



TYPICAL PROJECTS



PDV has the complete professional engineering team with the most outstanding performance in the engineering field of HFO Power Plant in China. Already accomplished total installation capacity of more than 1500MW HFO POWER PLANT.



CNOOC LH11-1 CRUDE OIL POWER STATION



COMORO POWER PLANT IN EAST TIMOR



ANTIGUA AND BARBUDA POWER PLANT



ECUADOR 100MW HFO POWER PLANT



BANGLADESH 142MW COMBINED CYCLE



BANGLADESH 138MW COMBINED CYCLE



FIJI GOLD MINES 9 x 2100KW HFO PROJECT



KARBALA 66MW PDV POWER PLANT

TYPICAL PROJECTS

COMPLETE SPECIALITIES THE MOST IMPRESSIVE PERFORMANCE

Total installation capacity more than 1,500MW



Comoro Power Plant In East Timor

CNOOC LH11-1 Crude Oil Power Plant In China Offshore



MAN 12V32/40
27.5 MW, 20KV, 50HZ
Base Load, to the National Grid



The first localization project for main crude oil power plant at the CNOOC offshore platforms

The national power plant in East Timor with adoption of modularized configuration

TYPICAL PROJECTS

Antigua-Barbuda National Power Plant
In Antigua-Barbuda



6 x 5.5MW MAN 12V32/40

33MW, 13.8KV, 60HZ, Base Load, to the National Grid



The first power plant project with Chinese-Government assistance in the Caribbean region.

Esmeraldas II 100mw HFO Power Plant
In Ecuador



Pielstick 12PC2-6B
100MW, 13.8KV, 60HZ,
Base Load, to the National Grid



Sophisticated power plant with high owner's requirements and difficulties in engineering.

TYPICAL PROJECTS

142MW Combined Cycle Power Plant
In Bangladesh

134MW Combined Cycle Power Plant
In Bangladesh



Pielstick 18PC2-6
Pielstick 16PC2-6
Steam Turbine
Exhaust Gas Boiler

142 MW, 132KV, 50HZ, Base Load, to the National Grid

Pielstick 18PC2-6
Sulzer 14ZAV40S
Steam Turbine
Exhaust Gas Boiler

134 MW, 132KV, 50HZ, Base Load, to the National Grid



14 diesel generating sets along with 14 exhaust gas boilers and 2 steam turbines, account for its being one of the biggest HFO power plant projects in the world.

13 diesel generating sets along with 13 exhaust gas boilers and 2 steam turbines, account for its being one of the biggest HFO power plant projects in the world.

TYPICAL PROJECTS

Fiji Gold Mines 9 x 2100KW HFO Project
In Fiji



MAN 7L27/38

18.9MW, 3.3KV, 50HZ, Captive Power Plant



Based on the old power house foundations, limited space and very demanding requirements for system reliability, it is extremely difficult to design and construct the power plant.

Karbala 66MW PDV Power Plant
In Iraq



The first Independent Power Plant (IPP) of PDV with its own investment.

Pielstick 18PC2-6B

42MW, 11KV, 50HZ

Nasiriyah 51MW Pdv Power Plant
In Iraq



Another PDV 100% invested IPP project after Karbala Power Plant. Up to now, PDV is the only first Chinese company to successfully invest power station in Iraq.

MAN18V32/40 & MAN14V40/45

51MW, 11KV, 50HZ

TYPICAL PROJECTS

Australia Cairn Hill Mine Power Plant
In South Australia

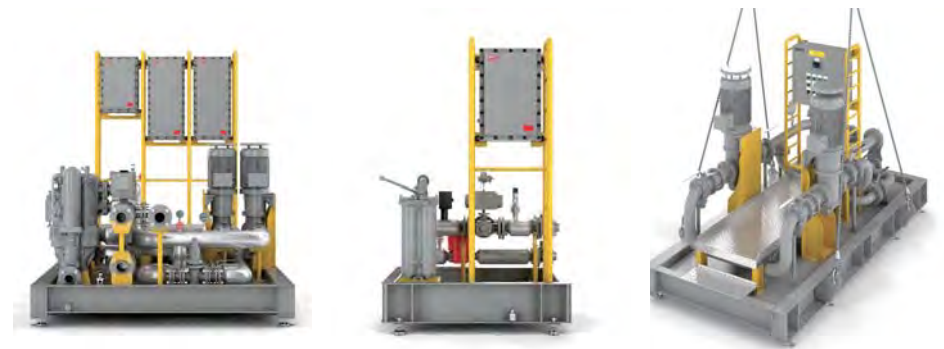
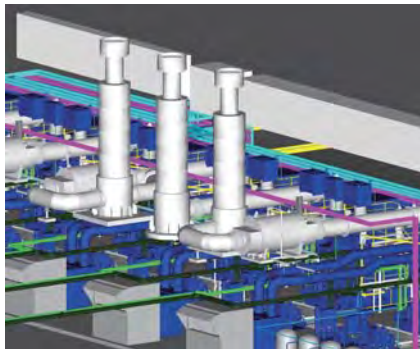


MAN 12V32/40 40MW, 11KV, 50HZ, Captive Power Plant

LF14-4 Crude Oil Engine Generator Sets And Auxiliary System
In China Offshore



MAN 16V32/40 22.8MW, 10.5KV, 50HZ, Offshore



TYPICAL PROJECTS

CNOOC XJ30-2 Crude Oil Power Station
In China Offshore

GKO 67.6MW Combined Cycle Power Plant
In China



TYPICAL PROJECTS

Guyana Power Plant
In Guyana

Philippine Three Island HFO Power Plant
In Philippine

