



包容，担当，创新，奉献
Inclusive Deserve Innovation Dedication

 中物資源開發集團
CRDGC CHINA RESOURCES DEVELOPMENT GROUP

GLOBAL DREAMS TO CREATE THE FUTURE



>> 集团介绍

1

董事长致辞
Chairman Address

集团简介
Group Introduction

全球布局
Global Layout

集团构架
Group Structure

>> 原生资源

7

石油板块
Petroleum and Chemical Products

矿产板块
Mines and Mineral Products

钢铁板块
Iron And Steel Products

>> 再生资源

19

废塑料回收利用
Recovery and Utilization Of
Waste Plastics

废旧电子电器回收利用
Recovery and Utilization Of
Waste Electronic Products

石油产品回收利用
Recovery and Utilization Of
Petroleum Products

城市废旧物资回收利用
Recovery and Utilization Of
City Solid Waste

废旧钢铁稀有金属回收利用
Recovery and Utilization Of
Rare Metals



> >> >

CONTENTS 目录



>> 环保工程

21

生物化肥处理技术

Biological Fertilizer Technology

植物提取物薯蓣技术

Technology for Plant Extracts Of Dioscorea

蓄能电池

Energy Storage Battery

厨余垃圾处理

Kitchen Garbage Treatment

城市污水处理

Urban Sewage Treatment

神予节能

“Shen Yu” Energy Saving

沙漠治理

Desert Control

电解液污水处理

Urban Garbage Treatment

有机物分解处理装置

Organic Matter Decomposition Treatment Device

油藻技术

Oil Algae Technology

清洁能源

Clean Energy

>> 合作共赢

27

资本运作

Capital Operation

建筑工程

Construction Engineering

通讯工程

Communication Engineering

>> 文化产业

33

国际教育

International Education

丝路风云

Silk Road



董事长：**李健**
Chairman Board : **Li Jianjun**

董事长致辞

CHAIRMAN ADDRESS

中物资源开发集团自成立以来，秉承“立足国内、依托全球、广泛合作、促进发展、诚信为本、优质服务、努力工作、开拓创新”的经营理念，以实现经济效益与社会效益的共同提高为目标，在全体员工齐心努力和各界朋友的帮助下，历经十多年拼搏，由一家规模不大的公司发展为拥有十几家下属公司的集团公司。

业务范围也从单一的资源回收综合利用，拓展到矿产资源投资开发；石油天然气勘探开发，石油产品销售及石油设备供应；清洁能源及可替代能源研究开发；环保项目投资、运营；金融服务、金融担保；生态农业研究开发；文化传媒，教育培训；通信技术、网络技术研究与运用；医药；物流及进出口贸易；房地产开发；园区建设等多个领域。

我希望中物资源开发集团能与时俱进，以不断发展壮大为己任，抓住经济结构调整和“一带一路”建设发展的有利时机，寻找新的利润增长点，为实现集团新的腾飞和“中国梦”而努力奋斗！

我祝愿中物资源开发集团能与广大客户朋友共识共赢，携手共进，共创辉煌！

Since the founding of China Resources Development Group (CRDGC), it has been adhering to the operation principle of “Base on domestic market; Rely on the global market; Broaden the cooperation; Stimulate the development; Openness basing on sincerity; First-rate service; Hard-working; Exploration and innovation”. The aim is to make a simultaneous enhancement of social benefit and economic benefit. With a hard work rendered by all the staff who are of one mind, it has become from a small company to a group which has a dozen of subsidiaries through ten years of hard struggle under the assistance offered by the friends from all walks of life.

The business scope has been expanded to: The investment and development of mineral resources; The exploration and development of oil and gas; The sales of petroleum products; The supply of oil equipment; The research and development of clean energy and renewable energy; The investment and operation of environmental protection projects; Financial services; Financing guarantee; The research and development of ecological agriculture; Culture and media; Education and training; The research and application of communication technologies and network technologies; Pharmaceutical; Logistics; Import and export trade; The development of real estate; The construction of industrial parks etc.

It is hoped that CRDGC could keep the pace of time; to set a continuous development as its own duty, to seize the opportunity of economic structure adjustment and the construction and development of “One band, One road”, to look for a new growth point of profit, and to strive for a new take-off of CRDGC and the realization of “Chinese-dream”.

It is my sincere desire that CRDGC shall achieve a common consensus and win-win with all customers and friends and shall make progress together and jointly create marvelous achievements.

集团介绍

Introduction of China Resources Development Group

● 集团概况

公司是经国家工商总局核准登记，具有企业法人资格的有限责任公司，股东会由中国物资再生协会、中国物资再生利用湛江有限公司组成。公司内部机构设置：办公室、人力资源部、财务部、企业管理部、法规部、国际贸易部、矿产开发部、能源开发部、再生资源部、石油勘探开发部等。在全球物资再生基金会、中国物资再生协会的指导下，承办出版《全球环境资源》杂志。

CRDGC is a limited company with corporation qualification, which is approved by the State Administration For Industry & Commerce. The share holders are China National Resources Recycling Association and China Materials Recycling Zhan Jiang Co., Ltd. The internal structural departments are: Administrative Office; Department of Human Resource; Department of Finance; Department of Management; Department of Laws and Regulations; Department of Internatinal trade; Department of Development of Mineral Products; Department of Development of Energy; Department of Regeneration of Resources; Department of Exploration and Development of Petroleum. Under the guidance of Global Resources Regenerate Fund Association and China National Resources Recycling Association, the company undertakes the publication of 《Global Environmental Resources》.

中物集团致力于各领域投资、开发，与中国政府部门及相关企业建立良好的合作关系，与多所科研机构、大学开展科学技术研究合作。中物集团还拥有一批高素质的管理团队和优秀技术人才，他们在中物集团所属的各个公司发挥重要作用，为公司发展做出不懈努力和贡献。

CRDGC has been dedicated to the investment and development in various regions. It has established good cooperative relations with the Chinese government and relevant enterprises. It has carried out the cooperations on the scientific and technological research with many research institutions and universities. CRDGC also has had a highly qualified management team and many excellent technical personnel who are playing important roles in different subsidiaries by making unremitting efforts and contributions toward the development of CRDGC.



立足国内 依托全球 广泛合作 促进发展
诚信为本 优质服务 努力工作 开拓创新

Based on home; Rely on global market; Broaden cooperation; Stimulate development ;
Openness basing on sincerity; First-rate service; Working hard; Exploration with innovation;

全球布局 GLOBAL LAYOUT

彰显中物集团品牌实力 Manifesting the remarkable brand of CRDGC

集团成员:

中物资源开发集团有限公司
中国物资再生利用湛江有限公司
中国物资再生利用天津滨海有限公司
中油东方能源开发有限公司
大唐丝路文化传媒有限公司
中物国际贸易有限公司
中物协和资源开发有限公司
天津华胜建设工程有限公司
耕天下农业开发有限公司
朔天通淼融资担保公司
北京和顺堂生物科技有限公司
北京华夏纵横信息技术研究院
芯盾(北京)信息技术有限公司
北京中企恒基企业管理中心
北京安康保险经纪有限公司
深圳世纪通宝金融服务有限公司
中物集团嘉兴市雷迪圣制砖有限公司

环球公司:

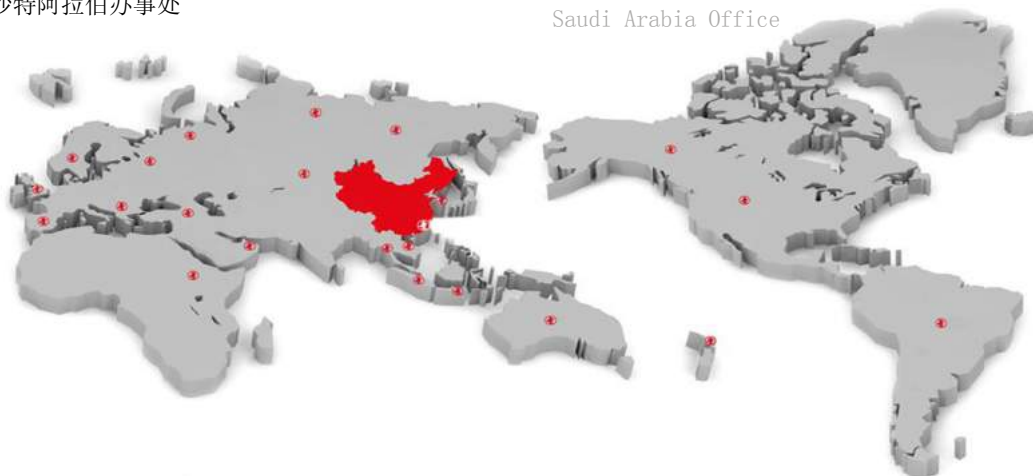
太平洋皇家银行
中国国际工程控股集团有限公司
新加坡协和星国际集团有限公司
中国国际工程控股集团(马来西亚)有限公司
马来西亚嘉玛环球有限公司
菲律宾钢铁集团有限公司
美国加州教育文化基金
美国富邦集团
美国乔治华盛顿国际教育集团
日本金宇商事有限会社
德国亚恒达有限公司
沙特阿拉伯办事处

Group members:

China Resources Development Group Co., Ltd
China Materials Recycling Zhanjiang Co., Ltd.
China Materials Recycling Tianjin Binhai Co., Ltd.
China Petroleum Orient Energy Development Co., Ltd.
Great Tang Silk Road Culture Transmission Co., Ltd.
China International Trade Co., Ltd.
Union Resources Development Co., Ltd.
Hua Sheng Construction Engineering Co., Ltd.
Agricultural Development Co., Ltd.
Shuotian Tongmiao Financing Guarantee Corporation
Beijing Wellsoon Biological Technology Co., Ltd.
Beijing Huaxia Zong Heng Research
Institute of information technology
Core Shield (Beijing) Information Technology Co., Ltd.
Beijing Zhongqi Henderson Enterprise Management Center
Beijing Ankang Insurance Broker Co., Ltd
Shenzhen Tongbao Century Nationwide Financial Services Inc
CRDGC Jiaxing Leidisheng Brickmaking Co., Ltd

Global Companies:

Pacific Royal Bank
China International Engineering Holding Group Co., Ltd
Singapore Concordstar International Group Co., Ltd
CIEH Group Sdn Bhd(1053885-A)
GAMA Global Sdn Bhd(313001-P)
Philippine Iron & Steel Group Co., Ltd
California Education and Performing Arts Center
Fu Bang Group
George Washington International Education Group
Japan KIN U Co., Ltd.
ACHENDA GmbH
Saudi Arabia Office



集团构架

GROUP STRUCTURE

管理团队

Management Team



总裁 张华
President 'Zhang Hua



副总裁 杜江
VP 'Du Jiang



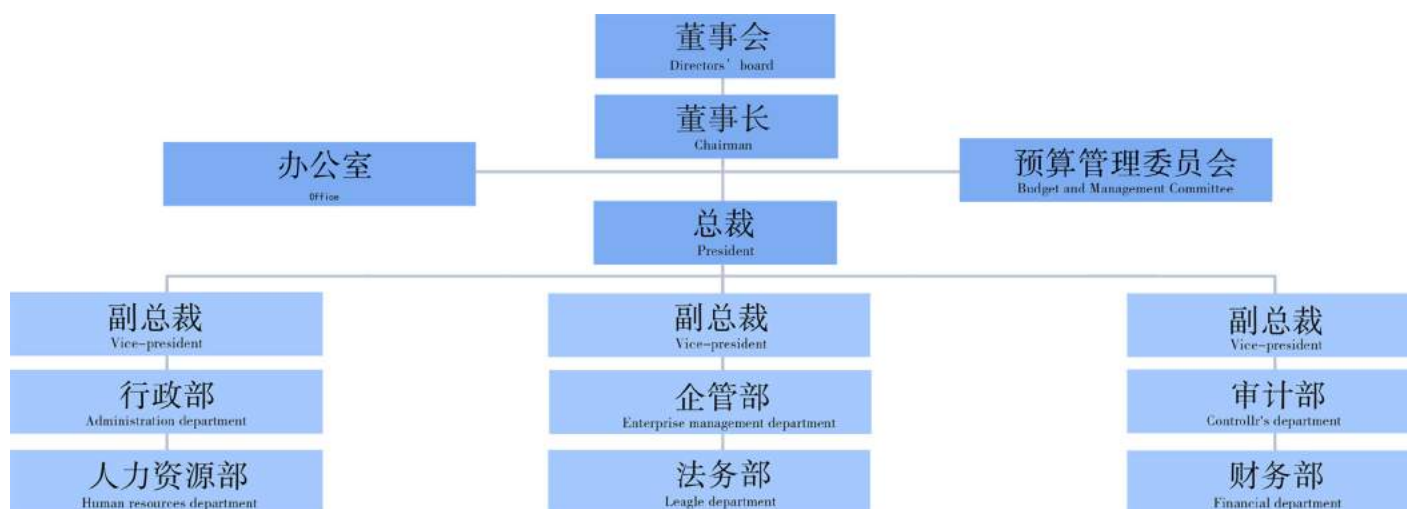
副总裁 唐伟然
VP 'Tang Weiran



特别顾问 任正祥
VP Counselor 'Ren Zhengxiang

组织架构

Organizational Structure



原生资源

PRIMARY

RESOURCES

● 石油是大自然赐予的资源与财富

主要从事境外石油勘探开发、油气工程建设和技术服务、油品销售、石油机械设备经营、劳务输出、炼油工程、化工产品贸易、国际工程承包及咨询等业务。

在世界多个国家和地区开展的项目有：石油天然气勘探、开发和生产；石油和石油产品的炼制、运输、储存和销售；天然气输送工程及销售；项目投资资产管理咨询等，并同国内外知名的石油企业合作，在东南亚、中亚地区及非洲地区开展石油天然气勘探和开发。

Mainly engaged in: Oversea exploration and development of petroleum; Engineering construction and technical services for oil and gas; Sales of oil products; Management of oil machinery and equipment; Export of labor service; Oil refining engineering; Trade of chemical products; International engineering contracting; Consulting business.

Projects that are carried out in many countries and regions in the world are: exploration, development and production of oil and gas; refining, transportation, storage and sales of petroleum and oil products; transportation and sales of natural gas; investment, asset management and consultation on projects etc. Having cooperations with some of the well-known oil companies both from China and abroad for the exploration and development of oil and gas in Southeast Asia, Central Asia and Africa.



油品仓储
OIL STORAGE

天然沥青
NATURAL BITUMEN

原油炼制
CRUDE OIL REFINING

原油运输
CRUDE OIL TRANSPORTATION



石油勘探开发及服务

EXPLORATION, DEVELOPMENT AND SERVICE FOR OIL FIELDS

中物集团引入现代企业管理制度，建立了规范的管理机制，形成了良好的管理构架，同国内外具有较强实力的石油设备生产企业合作，生产成套钻井设备、采油设备、测录井设备及其配件，产品出口到中东地区和北美地区。中物集团拥有经验丰富的专业人员队伍，技术力量雄厚，经济实力强大，业绩显赫，愿与境内外新老朋友真诚合作，共谋发展。

7/8

CRDGC

品质铸经典



CRDGC has introduced the modern enterprise management system, established standardized management mechanism, formed good management framework, had cooperation with domestic and foreign oil manufacturing enterprises for producing complete set of drilling equipment, oil extraction equipment, test logging equipment and accessories. The products are exported to the Middle East and North America. CRDGC has a team of experienced and professional staff with excellent technical force, strong economic strength and outstanding performance. We are willing to work with old and new partners from all over the world and seeking development together.

新疆喀纳斯
Xinjiang Kanas

油田设备 FIELD EQUIPMENT

石油固井、修井系列装备

EQUIPMENTS FOR WELL CEMENTING &
WELL REPAIRING OF PETROLEUM

压裂车
FRACTURING TRUCK



沙漠固井车
WELL CEMENTING CARS UTILIZED IN THE DESSERT



石油抽油机设备

PUMPING UNIT FOR PETROLEUM



异相式抽油机 HETEROGEREOUS PUMPING UNIT

异相式系列抽油机是在常规式抽油机的基础上为改善动力性能，降低能耗设计制造的，这种抽油机不仅不具备常规式抽油机的优点，而且节能效果显著。

Series of heterogeneous pumping unit are improved on the basis of the conventional pumps unit in order to improve the dynamic performance and reduce energy consumption. Designing and manufacturing of this kind of pumping units not only have the advantages of the conventional type pumping unit, but also are remarkable in energy-saving.



弯游梁抽油机 CURVED BEAM PUMPING UNIT

弯游梁抽油机采用油梁下偏平衡，平衡效果好，减速点峰值扭矩子，电机功率小，节能 20% 左右。

Bending beam pumping unit uses partial balance under oil beam, possessing great balancing effect. The peak deceleration point twist tycoons have small motor power and saves about 20% of the energy.

石油钻头系列 OIL DRILL SERIES

钻头产品，在切削齿材料技术、轴承结构及材料、钻头水力技术等方面具有国际领先水平。主要产品动力钻头品种齐全，广泛适用于水平井、深井、超深井、小井径井以及修井和其他特殊作业。

Drilling bits with international leading level in the cutter material technology, bearing structure and material as well as bit hydraulic technology. Great variety of power drills, widely used in horizontal well, deep well, ultra deep well, small diameter well, workover and other special operations.

牙轮钻头系列 ROLLER BIT SERIES



9/10

CRDGC

金刚石钻头系列 DIAMOND BIT SERIES



KM系列
全面钻进胎体PDC钻头
KM SERIES
THOROUGHLY-DRILLING PDC BITS

KS系列
全面、快速钻进钢体PDC钻头
KS SERIES
THOROUGHLY-DRILLING, FLEETLY-OPERATING PDC BITS FOR STEAL BODIES

KMC系列
高性能PDC取心钻头
KMC SERIES
PDC BITS REACHING FOR KERNALS HIGH QUALITY



KMD/KSD系列
适合于定向钻井的胎体/钢体PDC钻头
KMD/KSD SERIES
PDC BITS FOR STEAL BODIES/CARCASSES UTILIZED IN ORIENTATED DRILLING



KMH系列
适用于中到中硬地层的高端胎体PDC钻头
KMH SERIES
PDC BITS FOR HIGH-END CARCASSES UTILIZED IN LAYER WITH MIDDLE OR MIDDLE-HIGH HARDNESS

品质铸经典

化工产品系列

CHEMICAL PRODUCTS

硫磺

Sulphur

苯乙烯

Styrene

沥青

Bitumen

40-50 号沥青 Bitumen Grade 40-50

50-70 号沥青 Bitumen Grade 50-70

60-70 号沥青 Bitumen Grade 60-70

80-100 号沥青 Bitumen Grade 80-100

85-100 号沥青 Bitumen Grade 85-100

200-300 号沥青 Bitumen Grade 200-300

MC-30 号沥青 Bitumen Grade MC-30

MC-70 号沥青 Bitumen Grade MC-70

MC-250 号沥青 Bitumen Grade MC-250

MC-3000 号沥青 Bitumen Grade MC-3000

燃料油

Fuel oil

CST180 燃料油 Fuel oil CST180

CST280 燃料油 Fuel oil CST280

CST380 燃料油 Fuel oil CST380

天然沥青

Natural Bitumen

天然沥青 Natural Bitumen

沥青粉 Bitumen Powder



化工系列产品

CHEMICAL PRODUCTS

石油化工产品有燃料油、沥青、芳烃、硫磺、苯乙烯、塑料原料、橡胶等。产品产地主要有伊朗、沙特阿拉伯、伊拉克、新加坡、俄罗斯、泰国、马来西亚、印度尼西亚等。进口的沥青产品已在国内多条高速公路建设中使用，进口的燃料油供给国内多家炼油企业及船舶公司。

Petrochemical products: fuel oil, bitumen, aromatics, sulfur, styrene, plastic materials, rubber, etc. Main origins: Iran, Saudi Arabia, Iraq, Singapore, Russia, Thailand, Malaysia, Indonesia, etc. The imported asphalt products have been used in the construction of numerous domestic highways and the imported fuel oil has been provided to lots of domestic oil refining enterprises and shipping companies.



11/12

CRDGC

品质铸经典

润王系列 RUNWANG

润星系列汽油润滑油产品

GASOLINE LUBRICATING OIL PRODUCTS FROM RUNXING SERIES



润龙系列柴油润滑油产品

DIESEL LUBRICATING PRODUCTS FROM RUNLONG SERIES



“润王”牌润滑油系列产品

“RUNWANG” LUBRICATING OIL SERIES

新世纪以来，我国国民经济发展迅猛，汽车产业增长迅速，给润滑油等相关行业带来了巨大的发展机遇，我国润滑油市场消费量经历了十余年的高速增长，多年高于世界润滑油消费平均速度，这也为我公司的润滑油生产销售造就了千载难逢的发展机会。

我公司开发的润滑油产品品牌有“润王”牌高性能矿物基润滑油及工业用油系列产品。产品采用经绿色化学精加工的合成脂、深度精制高粘度指数基础油为原料，与多种自主研发和进口添加剂科学配制而成。

产品适用于：进口及国产各类轿车、客车、卡车、拖车、工程车、船舶、民用、军用等汽油、柴油发动机车辆；各种工业用切削机、轧制油、防锈油、导热油、齿轮油、液压油、铜拉丝油、锭子油等适用于工厂、矿山、船舶、水利、电力等企业设备使用。

Since the new century, our national economy has been developing rapidly. The rapid growth of the automobile industry has brought lubricating oil and related industries great opportunities for development. Consumption of lubricating oil in China has experienced more than ten years of rapid growth which is higher than the average speed of world lubricating oil consumption for many years, It has also created us a very rare developing opportunity for the production and sales of lubricating oil.

The brands of Lubricating oil products developed by our company are: "Run Wang" high-performance lubricating oil based on minerals and industrial oil series. The products are scientifically compounded by adopting green chemicals of synthetic fat and highly refined index base oil with high viscosity used as raw materials, mixed with a variety of additives that are independent researched and imported.

Products are applicable to: Civil or military cars, buses, trucks, trailers, shop trucks, ships imported or made in China with either gasoline or diesel oil engine; Various industrial cutting machine, rolling oil, slushing oil, heat transfer oil, gear oil, hydraulic oil, copper wire drawing oil, spindle oil etc; Other equipments for factories, mines, ships, water conservancy and electric power .

- >1 蓖麻基高性能汽油机油
CASTOR-BASED TOP OF SYNTHETIC MOTOR OIL
- >2 蓖麻基高性能通用发动机油
CASTOR-BASED HIGH PERFORMANCE GENERAL ENGINE OIL
- >3 蓖麻基合成汽油机油
CASTOR-BASED SYNTHETIC GASOLINE ENGINE OIL



- >4 蓖麻基柴油机油
CASTOR-BASED DIESEL ENGINE OIL
- >5 蓖麻基全合成汽油机油
CASTOR-BASED FULLY SYNTHETIC GASOLINE ENGINE OIL
- >6 蓖麻基高性能抗磨液压油
CASTOR-BASED ANTI-WEAR HYDRAULIC OIL

“润王”牌蓖麻基高性能润滑油

“RUNWANG” CASTOR-BASED HIGH PERFORMANCE LUBRICATING OIL

中油东方能源开发有限公司及合作机构，经过多年刻苦科技攻关在蓖麻提取润滑油方面获得突破，研制出具有世界领先水平的蓖麻基全合成高性能润滑油。产品已通过国家权威机构的检测和认证，并获得国家发明专利，生产项目被列入国家农业科技成果转化项目。蓖麻基全合成高性能润滑油已在天津、黑龙江、甘肃、广东、湖北等地区成功完成了行车试验，受到使用者的广泛好评，证明产品质量可靠、性能出色。公司现拥有现代化的生产设备及完善的品控检测、产品开发配套设施，蓖麻基润滑油生产装置可满足年2万吨生产要求。

China Petroleum Orient Energy Development Co., Ltd. has gone through years of hard work to have achieved a breakthrough in science and technology research in the castor bean extract oil, It has developed the castor-based fully synthetic high-performance lubricating oil which is of the world leading level. Products have passed the national authoritative organization examination and certification with a national invention patent, The production project has been listed in the national agricultural science and technology achievements transformation projects. Castor-based fully synthetic lubricating oil has successfully been tested on the roads in Tianjin, Heilongjiang, Gansu, Guangdong, Hubei and other areas. It has been widely praised by users for its reliable product quality and excellent performance. The company has modern production equipment and perfect quality control testing facilities as well as auxiliary facilities for product development. The production capacity of castor oil could meet a requirement of 20000 tons a year.

矿产开发

回忆过去 亦是昭示未来 展望未来 亦是开创时代

MINERAL EXPLOITATION

- 矿产是大自然赐予的资源与财富

铁
IRON

焦煤
COKE

大理石
MARBLE

贵金属
PRECIOUS METAL

有色金属
NON-FERROUS METAL

天然大理石
NATURAL MARBLE

中物集团致力于国内、国外矿产资源的勘探开发，历经多年积累了丰富的经验，已在美洲、中亚、东南亚、东北亚地区以及中国华北、西北、西南等地区进行了勘探开采，投资合作了有较好经济效益的贵金属矿山、有色金属矿山、煤炭矿山、铁矿山及名贵大理石矿山。

CRDGC has devoted itself to the mineral exploiting both at home and abroad. It has accumulated a wealth of experiences in many years. CRDGC has explored and exploited in America Central Asia Southeast Asia, Northeast Asia as well as in North-China, Northwest-China, Southwest-China. CRDGC has invested in some of the precious metal mining, non-ferrous metal mines, coal mine, iron mine and rare marble mines with perfect economic benefit.

RECALLING THE PAST IS TO MAKE THE FUTURE CLEAR TO ALL
LOOKING FORWARD TO THE FUTURE IS TO INITIATE A NEW ERA



15/16

CRDGC

品质铸经典




中物集团拥有一批国内外知名的专家学者，拥有一支熟悉国内外矿业市场、矿业政策、法律法规等投资咨询的专家队伍，为公司项目运作提供专业权威的技术支持。同时还有一支具有丰富实践经验的团队。

CRDGC has a group of well-known experts and scholars from China and abroad as well as a professional team who are familiar with the domestic and foreign mining market and the policies, laws, regulations and investment advisory regarding mining industry. They shall provide with the professional and authoritative technical support for the projects. CRDGC has also a team with abundant practical experiences.

钢铁产业 | 回忆过去 亦是昭示未来 展望未来 亦是开创时代

IRON AND STEEL INDUSTRY

- 矿产是大自然赐予的资源与财富



从铸山煮海，到绿色战略，中物资源开发集团从区域钢铁资源的沃土中走出来，与时俱进，求大发展，将国际资源一体化的行业优势，作为中物集团钢铁未来发展的基石。创新求实，做大做强，是中物人走向世界的信心与勇气。

Relying on local coal and iron ore resources, CRDGC keeps its pace with time and seeks the development in big scale. CRDGC has set a solid foundation for its future development by taking advantage of the world resources integration. Innovation and practice as well as to be bigger and stronger is CRDGC staff's confidence and courage to go abroad.

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Pioneer of Industry 工业先锋 奠基时代之师 Making Division of the Era

根据中物集团的国际战略和海外发展规划，中物集团在菲律宾投资了 20 亿美元兴建中物循环经济产业园区，规划中的在建项目有一座年产 300 万吨的钢铁厂，一座年产 300 万吨的水泥厂，一座年发电量为 350 兆瓦的火力发电厂。

According to CRDGC international strategy and overseas developing program, CRDGC has invested USD 2 billion in Philippines for establishing China Circular Economy Industrial Park. The constructing projects under program are an iron and steel plant with the capacity of 3 million tons steel yearly; a cement plant with the capacity of 3 million tons cement yearly and a power station with an annual energy output of 350 megawatt.

17/18

CRDGC

品质铸经典



废塑料回收利用
Recovery and Utilization Of
Waste Plasticswaste plastics


废旧电子电器回收利用
Recovery and Utilization Of
Waste Electronic Products

石油产品回收利用
Recovery and Utilization Of
Petroleum Products

再生资源

RENEWABLE RESOURCES

- 拓展生存空间， 延续地球生命



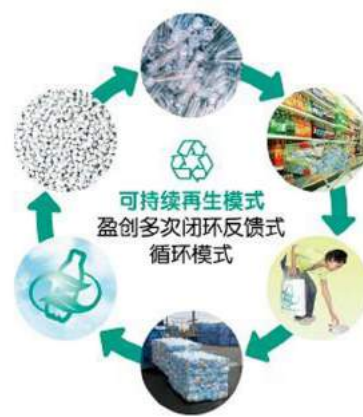
保护环境
珍惜资源



Recycling of renewable resources in the economic development model of recycling of materials, is becoming a global trend. The strategy of sustainable development has been unanimously agreed. Sustainable development is not only in line with the needs of contemporary human, and not compromising the ability of future generations to meet their needs ability of development, we pay attention to economic growth in the number of, also want to pay attention to the quality of the pursuit of economic growth. The main symbol is that the resources can be used forever, to maintain a good ecological environment.

城市废旧物资回收利用
Recovery and Utilization Of
City Solid Waste

废旧钢铁稀有贵金属回收利用
Recovery and Utilization Of
Rare Metals



再生资源回收以物资不断循环利用的经济发展模式，目前正在成为全球潮流。可持续发展的战略，得到大家一致同意。可持续发展就是，既符合当代人类的需求，又不致损害后代人满足其需求能力的发展，是我们在注意经济增长的数量，同时也注意经济增长的质量。主要的目标是资源能够永远利用，保持良好的生态环境。

RECALLING THE PAST IS TO MAKE THE FUTURE CLEAR TO ALL
LOOKING FORWARD TO THE FUTURE IS TO INITIATE A NEW ERA

环 保 工 程

ENVIRONMENTAL ENGINEERING

- 拓展生存空间，延续地球生命

保护环境
珍惜资源

The developing projects of China Resources Development Group focused on mineral exploiting projects domestic and overseas, accumulating wealth of experience in the process. Our company has explored and exploited overseas in America, Central Asia, Southeast Asia, Northeast Asia and domestic in North, Northwest, Southwest as well as other regions in China, investing and cooperating economically beneficial precious metal mining, non-ferrous metal mines, coal mine, iron mine and rare marble mines.

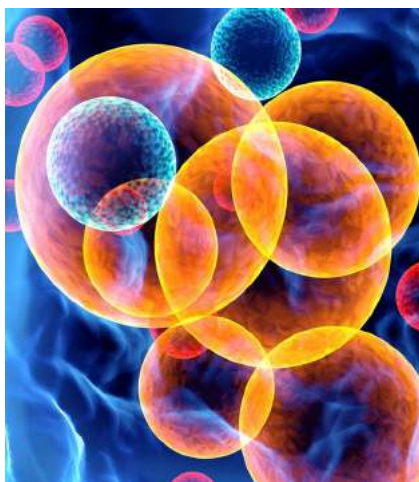


生物化肥处理技术

Biological Fertilizer Technology

中物集团专门针对蔬菜叶和水果皮的处理研发生产了一套蔬菜瓜果废料处理设备。该技术是采用粉碎、厌氧发酵、干燥等方式制成有机肥料。

Aiming at treating waste of vegetable and peel of fruits, CRDGC has developed a processing equipment for treating waste of vegetable and fruit, organic fertilizer is made through the technology of crushing, anaerobic fermentation and drying etc.



植物提取物薯蓣技术

Technology for Plant Extracts Of Dioscorea

植物提取物是我国中药商品出口的主力军，出口额占中药产品总出口额的比重超过 40%。这些激素类药物在临床上已得到广泛的应用，并成为国际医药市场上一大类重要药物品种。

Plant extract is the main force of exported China's traditional Chinese medicine taking more than 40% of the total export value of traditional Chinese medicine products. These hormone drugs have been widely used in clinical practice, and become an important drug in the international pharmaceutical market.



蓄能电池

Energy Storage Battery

核心产品为：锂电池、钒电池以及系统集成。电池工业是新能源领域的重要组成部分，已成为全球经济发展的一个新热点。

The core products are lithium battery, vanadium battery and system integration. Battery industry is an important part of the new energy field and has become a new hot spot for economic development in the world.



厨余垃圾处理

Kitchen Garbage Treatment

堆肥厨余前端处理技术的改进，可缩短堆肥厨余发酵腐煮时间、提高堆肥半成品品质；回收有机废物，资源循环利用；减少焚化底渣与飞灰量及其处理负荷；减少民众使用垃圾袋的数量，减少环境污染。

The improvement of the pretreating technology of composted kitchen waste could: Shorten the fermentation time; Improve the quality of composted semi-products; Recycle organic waste; Reuse resources; Reduce quantity of the bottom ash and fly ash content as well as the processing load; Cut down the consumption of garbage bags by citizens; Lessen the environmental pollution.



城市污水处理

Urban Sewage Treatment

中物集团开发了各项水处理设备，以应用于地表水、地下水的处理及废水回收和再利用，包括：次微米过滤器、陶瓷微滤膜 (MF)、外压式超过滤膜 / 沉浸式超过滤膜 (UF)、反渗透膜机组 (RO)。

CRDGC has developed various water treatment equipment for applications in treating surface water and groundwater as well as recycling and reuse wastewater. Including: sub micron filters, ceramic microfiltration (MF), external pressure over membrane / immersed ultrafiltration (UF) and reverse osmosis membrane unit (RO).



节能管理

Energy Management

多年来，在电能管理、节能灯具及节电设备方面，除达成自许扮演客户的「电能管家」，为客户量身最适合的节能方案之目标外，并且成绩斐然。For the last few years, in the electrical energy management, energy-saving lamps and energy-saving equipment aspects, in addition to reach would-be customers to play the "power housekeeping", for customers the most suitable energy saving solution outside, and has made remarkable achievements.



沙漠治理

Desert Control

光伏扬水系统设备进行沙漠光伏灌溉，进行绿色植被种植初见成效，已经建成沙漠高速公路。

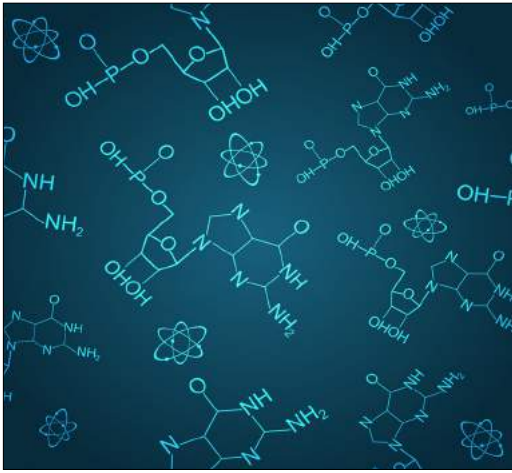
The Solartech photovoltaic pumping system equipment desert photovoltaic irrigation and green vegetation planting yielded initial results, has built the desert highway.



电解液污水处理

Urban Garbage Treatment

应用电解的基理，使本原废水中有害物质通过电解过程在阳、阴两极上分别发生氧化和还原反应转化成为无害物质以实现废水净化的方法。Application of electrolysis mechanisme, the primitive wastewater harmful substances by electrolytic process in the positive and negative poles respectively, oxidation and reduction reactions into harmless substances in wastewater to achieve purification method.



有机物分解处理装置

Organic Matter Decomposition Treatment Device

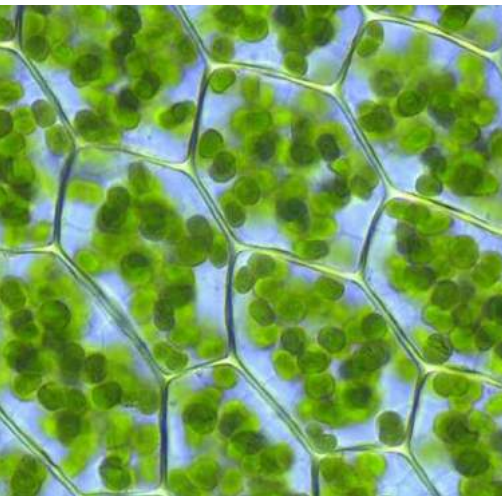
由游离电子的自由基相关反应而引起有机物量子化学性的分解。有机物的主体由碳(C)、氢(H)、氧(O)构成。这些元素以氧为中心形成共价键，但是，其共价键形成的根源是元素内部环绕在电子核周围电子的共同作用，环绕电子核的电子轨道个数为偶数，且性质安定。未成对电子有两个且方向相反，处于这种状态的氧分子与有机物发生反应的可能性非常低，也没有毒性。但是，如果通过放电、电磁波、光照射、电化学反应来激发氧分子的话，处于基础状态的电子轨道就会产生各种变化，变为反应能力较强的活性氧。SOA接触水之后就变成了羟基。这个羟基能够轻易分离碳的共价键。C/H/O的各种键能含有的能量比羟基还要少，所以能够分解一切有机物。

The decomposition of the quantum chemistry of organic matter is caused by the free radical-related reactions of free electrons. The main body of the organic substance is composed of carbon (C), hydrogen (H), and oxygen (O). These elements form a covalent bond with oxygen as the center, but the origin of its covalent bond is the common electrons around the electron nucleus. The number of electron orbits surrounding the electron nucleus is even and the property is stable. The unpaired electrons have two and opposite directions, and the oxygen molecules in this state are very unlikely to react with the organic material and are not toxic. However, if the oxygen molecules are excited by the discharge, electromagnetic wave, light irradiation, electrochemical reaction, the electron orbit in the basic state will undergo various changes and become reactive oxygen species with strong reaction capability. SOA contact with water after it becomes a hydroxyl. This hydroxyl group can easily separate the covalent bonds of carbon. C / H / O of the various bond energy contains less energy than hydroxyl. It can decompose all organic matter.

23/24

CRDGC

品质铸经典



油藻技术

Oil Algae Technology

我们充分掌握光生物反应器的生产技术和藻类植种到生产、藻油回收的产业化工业技术。这种无加温培养(藻类的干物质生产速度达到0.5~1.0kg-d.m./m³/d)的专利技术，以及低成本的低压萃取工艺、缩短藻油改质工程时间的工艺，使培养程序民间化、商业化，提供农民增收通路，开辟了新的富裕“农田”。依美国材料试验协会的基准(ASTM D 7566)，含有低碳链脂质(C16. C18 以下) 藻类及低压环境下的氢添加技术，已达到航空燃料化标准。我们运用了完善的生物航空燃料(Bio-SPK; Bio-Syntetic Paraffinic Kerosenne)的工艺方案降低成本，达到实用化。

We fully grasp the production technology of photo bioreactor and algae plant to production, the recovery of algae oil industry of industrial technology. This kind of no heating culture (algae dry matter production rate of 0.5~1.0kg-d.m./m³/d) patented technology, low cost low pressure extraction process, shorten the time of algae oil to change the quality of the project. To foster the process of privatization, commercialization, providing farmers income channels, opened up a new rich farmland". According to the American Society of material testing standards (ASTM D 7566), the low carbon chain lipid (under C16. C18) algae and low pressure hydrogen technology in the environment, have reached the standard of aviation fuel. We have used the perfect biological aviation fuel to reduce the cost of the process program to achieve practical.



清洁能源

CLEAN ENERGY

● 责任担当凝聚大爱

新 能源是 21 世纪世界经济发展中最具决定力的五大技术领域之一。随着世界经济的快速发展，对能源需求逐年增长，而地球上的常规资源日渐减少，能源已成为制约各国经济发展的瓶颈。同时，随着化石燃料的燃烧，所产生的二氧化碳在大气中的浓度急剧增加，生态环境逐渐恶化，使地球逐渐变暖。随着人类社会的发展，改善生态环境的呼声越来越高，开发利用无污染的新能源，对促进社会文明与进步、发展经济以及改善人民生活具有重大的意义。太阳能、风能作为一种清洁、高效和永不衰竭的新能源，在日常生活中受到了各国政府的重视，并作为国家可持续发展战略的重要内容。

New energy is one of the five most decisive technical fields in the 21st century's economic development. With the rapid development of world economy, increasing demand for energy and frequent dwindling of conventional resources, energy has become a bottleneck restricting the development of national economy. At the same time, with the burning of fossil fuels, the concentration of carbon dioxide in the atmosphere has increased dramatically, the ecological environment worsened gradually and the global warming taken place little by little. With the development of human society, there are louder and louder voices proposing the improvement of ecological environment. Development and utilization of pollution-free new energy can promote the social civilization, benefit the economy and improve people's life. Served as clean, efficient new energy that can never be used up, solar energy and wind energy was paid great attention by numerous countries, served as an important factor in their sustainable development strategies.

RECALLING THE PAST IS TO MAKE THE FUTURE CLEAR TO ALL
LOOKING FORWARD TO THE FUTURE IS TO INITIATE A NEW ERA

中物集团将新能源技术研究、开发、应用放在企业发展重要位置。近年来，相关业务稳步发展，已在国内完成多个项目。马来西亚、土耳其路灯改造项目正在商务谈判中。

CRDGC has put the research, development and application of new energy technology on an important position in the enterprise development. In recent years, the related business is developing smoothly. Many of the projects have been completed in China. The projects of street light renovation are under negotiations in Malaysia and Turkey.

风力发电

核能发电

潮汐能发电

地热发电

Wind power generation Nuclear power generation Tidal power Geothermal power generation

25/26



CRDGC

品质铸经典

资本运作

CAPITAL OPERATION

● 世纪传承，通宝铸就

中物集团致力于金融创新及提供全球化投资解决方案，并积极发展普惠金融和产业投资，通过全球化的战略布局、创新的商业模式和差异化的投资策略，为中国投资人拓展海外市场及国际资金投资中国市场提供系统性、专业化的解决方案，实现投资人的财富增长。

CRDGC is committed to offering financial innovation, global investment solutions, developing positively the inclusive finance and industrial investment. Through the strategic layout of globalization, innovative business model and the differentiation of the investment strategy, it will provide Chinese investors who are going to expand overseas market and international investors who are going to invest in China with systematic and professional solutions to achieve the investor's wealth growth.



资产管理

Asset Management

中物集团为全球高净值人士进行全方位的资产配置、提供顶尖财富管理方案以及咨询服务。

CRDGC shall arrange all-round asset allocations for high net worth individuals in the world and provide them with top wealth management solutions as well as consulting services.

27/28

CRDGC

IPO 辅导

IPO Advisory

香港作为全球金融中心之一，是国际资本流通的重要市场。中物集团辅助优质企业寻求更大的发展空间和更高的发展起点赴港上市。

Hongkong, as one of the world's financial centers, is an important market for international capital circulation. CRDGC shall assist the qualified enterprises that are seeking greater development space and a higher starting point for development to be listed in Hong Kong Stock Exchange Market.

品质
铸
经典

并购重组

Merger & Restructuring

通过详实的尽调和安全信息渠道，中物集团帮助客户挑选出具有最大的成长潜力和最合适的购买公司，并在交易开始之前降低信息不对称的风险以保证在资本市场上获得“1+1>2”的效益。

Through a full and accurate due diligence and the safe channel of information, CRDGC will help the customer to pick out a buying company that is of maximum growth potential and the most suitable. The risks of information asymmetry could be lowed before the transaction to guarantee a benefit of “1+1>2” on the capital market.

建筑工程

CONSTRUCTION ENGINEERING

中国国际工程集团有限公司在海内外承接各种建筑工程：公共建筑、民用建筑、工业建筑、交通工程、环保工程、装饰工程、道桥工程等，并有房地产开发、建筑材料供应、大型设备租赁、劳务合作等多种业务。公司创造了大批精品工程，受到海内外新老客户的高度赞誉。

China International Engineering Holding Group Co., Ltd. undertakes all kinds of constructional engineering in China and abroad: public buildings, civil building, industrial building, traffic engineering, environmental protection engineering, decoration engineering, road and bridge engineering etc. It has many other businesses: real estate development, supply of building materials, leasing of large equipment, cooperation on export of labor service etc. It has created many boutiques that are highly praised by the Customers both from China and overseas.



ELEVATION

仰角

城市的

领先一步 云端舞者

ONE STEP AHEAD DANCER ON CLOUD

29/30

CRDGC

品质铸经典





通讯工程

COMMUNICATION ENGINEERING

- 视野创新，打造国内一流企业

公司目前的经营经营范围包括：

通通信线路、网络信息安全、管道、光缆、交换、传输、数据、无线、电源、

空调及其配套工程总承包；

通信设备的更新改造、线路大修理、调网工程、通信网络的维护、优化及技术服务

通信信息网络系统集成、计算机信息系统集成、智能化建筑系统集成、安全防范（视

频）系统集成等业务的设计、施工、维护及技术咨询。

系统应用软件开发、技术咨询服务；

各类通信产品、材料的代购代销及物流配送服务；

境外通信工程及境内国际招标工程承包等。

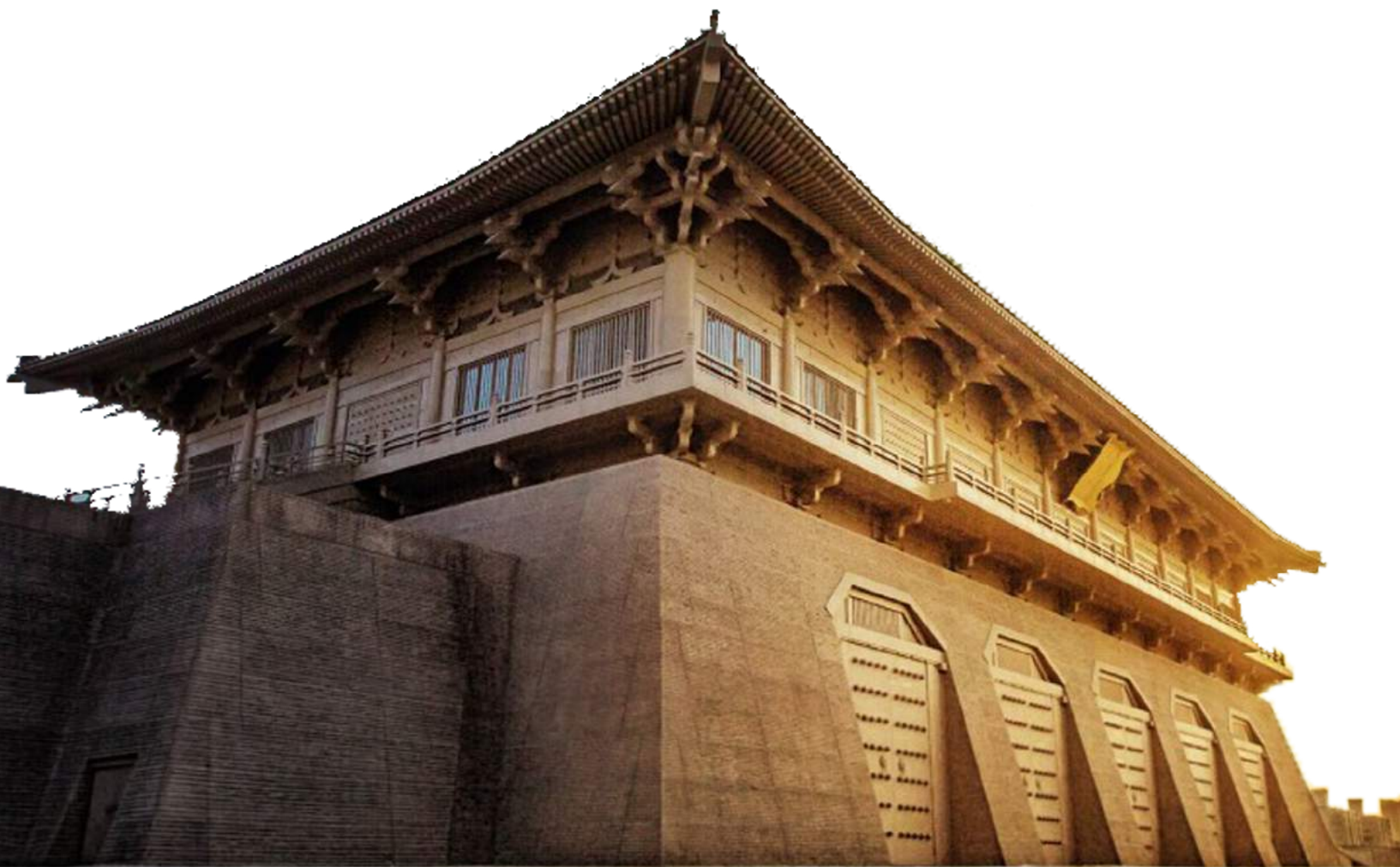
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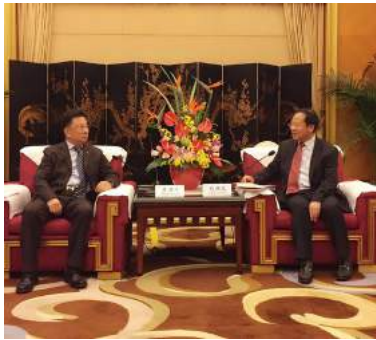
Overall contracts for communication lines, network information security, pipelines, cables, exchange, transmission, data, wireless, power supply, air conditioning and the auxiliary engineering; Transformation and renovation of communication equipment, Permanent repairs, Adjustment of network engineering, Maintenance, optimization and technical services of communication network; Designs, construction, maintenance and technical advisory services for the integration of communications information network system, the integration of computer information system, the integration of intelligent building system, the integration of security (video) system , etc. The development, technical advisory services for system application software; Buying and selling through agency of all kinds of communication products and materials and logistics distribution services; Contracting of overseas communications engineering and international bidding project in China, etc.

文化傳播

CULTURE COMMUNICATION

以爱掌舵，起航文创新丝路





一带一路

当前，中国推进国际合作与经济发展、文化交流的「一带一路」战略构想，为「一带一路」沿线国家的基础硬件设施、资源开发、产业和金融合作及与互联互通有关等项目提供支持建设。

China is now promoting the strategic conception of "The Belt and Road" for international cooperation and economic development as well as cultural exchange by offering support and construction for the projects concerning the infrastructure hardware, resource development, industry and financial cooperation and the projects related to connectivity to be carried out in the countries along the line of "The Belt and Road".



文创新丝路

以爱掌舵，启航文创新丝路！一个精采丰富与多元创意的博览会将带您探索 21 世纪跨界华人文创品牌，全新感受知性东方文化异国情调的魅力盛会。

With love at the helm, to set the sail of innovative silk road! A wonderful, rich, diverse and creative expo is a charming grand meeting that will bring you to explore the cultural brand-making by cross-border ethnic Chinese in the 21st century and to feel a different intellectual oriental culture and an exotic atmosphere.



经济文化交流

丝路沿线国家著名城市将设为国际展览地点。举办文创博览会和商展会进行经济合作和文化交流，以便开辟一条新商道货畅其流，文创产业之智能财产授权商品使用，拉近中华文化爱好者之间的距离。

The famous cities along the line of the countries on Silk Road will be set as the places for international exhibitions and fairs. Economic cooperation and cultural exchange could be carried out in cultural creation exhibitions and trade fairs to open a new commercial road for a smooth flow of goods and the utilization of licensed products and the intellectual property and to reduce the distance between the lovers of Chinese culture.



乔治华盛顿国际集团可以帮助中国及其他国家的学生顺利进入美国高等教育体系学习并融入其文化。该集团是一所获得美国教育部门完整许可的集团。该集团在美国的佛州学院开设了从小学到大学完整的国际学生课程，并与国外相关学校开展了课程合作，使国外学生不必到美国就能读到美国学校课程，并可为父母省下可观的教育费和其他相关的费用。

通过与该学校的合作，中物集团已在中国多个城市与当地知名学校合作并提供标准的美国式教学。我们的目标是使每名学生除了具备所需的知识和技能，还能成功地进入他们决定申请的美国学院或大学学习，赋予他们受益一生的、无价的知识 and 经验。

George Washington International School (GWIS) will help the students from China and other countries to make a smooth transition into the American higher educational system and to integrate into American culture. GWIS has develop its international student course in Florida college United States.GWIS has many cooperation with the relative schools abroad for international student course.The foreign students could read the American school courses rather than going to the United States.So, GWIS could save parents' money of education and other relevant expenses in big quantity.

Through the cooperation with GWIS, CRDGC has had cooperations with many local well-known schools in different cities in China by offering the actual standard American school syllabus. Our goal is to equip each student with the necessary skills needed in order to succeed in any U.S. Colleges or Universities they decide to apply, and to empower them with invaluable knowledge and experience for lifelong learning.

EDUCATION AND TRAINING “责任担当凝聚大爱”

教育培训

语言课程

English Language Program

项目概览 PROGRAM OVERVIEW

乔治华盛顿国际学校的英文语言项目是专门为中国市场所设计的英文课程项目。在此，我们同中国的合作学校和合作伙伴一道，为您介绍我们自 2015 年起在中国开设的语言培训项目。此语言项目是为了给中国学生，特别是中国的老师提供一个在国内就可以学习的纯正英语并获得英文语言的文凭机会。

乔治华盛顿国际学校英文语言项目旨在帮助母语为非英语的学生提高其英文水平，以便在今后接收英国国家的学术教育，它能够让学生具备大学阶段必要的学术英文技能。英文语言项目为学生提供以下几个方面的教育培训：学术阅读与写作、课堂与讲座听力、语言表达、学术研究方法和批判性思维。

颁发证书 CERTIFICATES AWARDE

学生每成功达到一个新的语言等级，学校会为其颁发相应的“等级证书”。

学生在成功完成整个语言项目后，学校会为其颁发“乔治华盛顿中级 / 高级英文语言证书”

毕业走向 WHAT CAN YOU DO AFTER GRADUATING WITH GWIS ELP DIPLOMA

学生可以从事广泛的与英语相关的工作：国际学校英语教师、翻译者、创意作者、编辑、出版人、广播员、新闻工作者、影视工作者、广告文案、律师、外交人员、商务人士，并且可以继续深造学习，申请本科的其他专业或硕士项目。

完成我们的英文语言项目，获得语言证书的学生应达到如下水平：

- A) 具有流利的口语与写作交流能力
- B) 能够自如准确地应用英语
- C) 具有独立思考，既能客观地看待事物又有主观的分析能力
- D) 具有在一定规范与研究的基础上合成信息的能力
- E) 具有优秀的写作分析、理解和展示能力
- F) 能够熟练理解并掌握不同、文体的语境





美国西华盛顿大学



美国弗吉尼亚理工大学



西雅图城市大学

宾厄姆顿大学
 波士顿大学
 巴特勒大学
 布朗大学
 坎贝尔大学
 城市大学
 哥伦比亚大学
 康奈尔大学
 德雷塞尔大学
 杜克大学
 东华盛顿大学
 乔治敦大学
 哈佛大学
 印第安纳大学

Binghamton University
 Boston University
 Butler University
 Brown University
 Campbell University
 City University
 Columbia University
 Cornell University
 Drexel University
 Duke University
 Eastern Washington University
 Georgetown University
 Harvard University
 Indiana University

约翰霍普金斯大学
 密歇根州立大学
 俄亥俄州立大学
 宾州州立大学
 普林斯顿大学
 普渡大学
 罗格斯大学
 西雅图太平洋大学
 美国西雅图大学
 斯坦福大学
 纽约州立大学
 圣约翰大学
 陶森大学
 加州大学洛杉矶分校

John Hopkins University
 Michigan State University
 Ohio State University
 Penn State University
 Princeton University
 Purdue University
 Rutgers University
 Seattle Pacific University
 Seattle University
 Stanford University
 State University Of New York
 St. John's University
 Towson University
 UCLA





天普大学

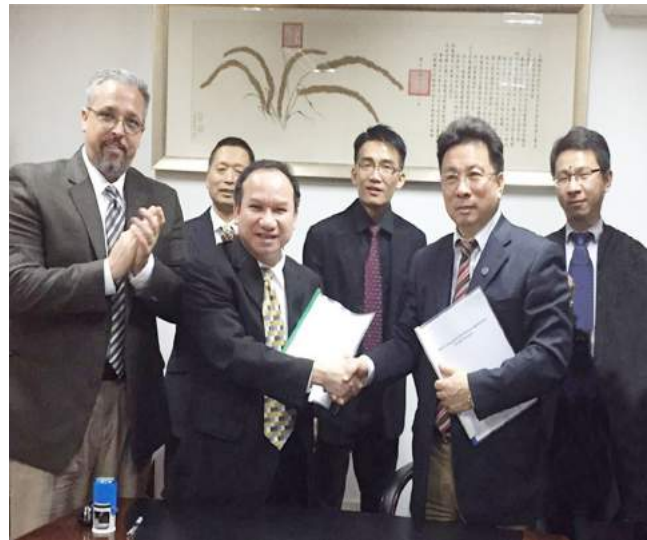


华盛顿大学



亚利桑那大学
 加州大学伯克利
 芝加哥大学
 伊利诺斯大学
 爱荷华大学
 内华达大学LV
 马里兰大学
 密歇根大学
 宾夕法尼亚大学
 托莱多大学
 华盛顿大学
 威斯康辛大学
 耶鲁大学
 华盛顿州立大学
 西华盛顿大学

University of Arizona
 University of California Berkley
 University of Chicago
 University of Illinois
 University of Iowa
 University of Nevada LV
 University of Maryland
 University of Michigan
 University of Pennsylvania
 University of Toledo
 University of Washington
 University of Wisconsin
 Yale University
 Washington State University
 West Washington University

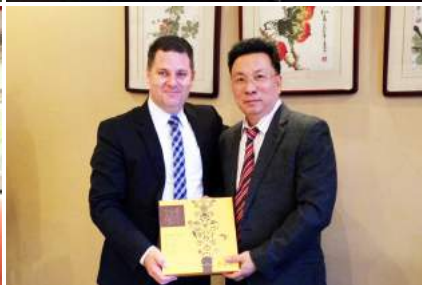


37/38

CRDGC

品质铸经典





国际合作

INTERNATIONAL COOPERATION

视野创新，打造国际一流企业

在“一带一路”政策指引下，集团公司的对外国际交往十分频繁，在平等、互惠、互利的原则基础上正逐步与越来越多的国外企业建立起长期、友好的业务关系，集团公司已在北美洲和欧洲多国设有子公司或办事处，并与东南亚、西亚和中东地区一些知名企业开展了战略合作，一些重大项目现已进入实质性运作，其中包括油气能源项目、化工项目、光伏发电项目、互联网项目、有色金属矿产项目、填海项目、新城建设和房地产项目、海底电缆工程项目等。多年来，集团公司与联合国工业发展组织在环境保护和资源综合利用等领域开展合作。

Under the guidance of “The Belt and Road” policy, the international exchanges of CRDGC has become very frequent. On the basis of principle of equality, reciprocity and mutual benefit, CRDGC has been gradually establishing long-term and friendly business relations with more and more foreign enterprises. CRDGC has set up subsidiaries or offices in many of countries in North America and Europe. CRDGC has carried out strategic cooperation with some of the well-known enterprises in Southeast Asia, West Asia and the Middle East. A number of significant projects has been entered into a substantive operation, including energy projects of oil and gas, chemical projects, photovoltaic power generation projects, internet projects, non-ferrous mineral projects, reclamation land from sea project, new town construction and real estate projects, seabed cable engineering projects, etc. Over the years, CRDGC has cooperated with the United Nations Industrial Development Organization in the field of environmental protection and comprehensive utilization of resources.





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