



IGAWARA INDUSTRIAL SERVICE AND TRADING PTE LTD

井河原私人有限公司



TAKE THE
NEXT STEP &
LEAP INTO THE
FOREFRONT OF



YOUR INDUSTRY WITH **IGAWARA**



CEO's Message



Dear Partners

Igawara Industrial Services and Trading Pte Ltd was officially established in 1988. Its co-founding family initially operated the company as Igawara in 1919 when the original founder Mr Igahara Keijiro formed IGAHARA SEISAKUSHO. Its humble beginning started with the manufacturing of machineries and tools geared towards the farming industries. This had expanded over the years into a well-established organization spanning manufacturing, logistics and trading services. Igahara Seisukusho, now known as Igawara Industry Co Ltd utilizes ultra-modern and state-of-the-art machines to produce sophisticated giant diesel engine blocks, giant multiplex axis machine components, etc. Its trading arm, Fukusuke Kiko Co Ltd is represented by offices and subsidiaries worldwide involving a wide range of industries equipment, tools and spare parts for the land and marine industries.

Igawara Industrial Services and Trading Pte Ltd initially handles the group steel export directly from Japan steel mills to manufacturers in Southeast Asia. Through the company's corporate strategy, we had ventured into new markets beyond the Southeast Asia region to include China, India, Middle East, Africa and Europe. At the same time, our supply sources has been expanded to cover Europe, USA, China, Korea, Taiwan to cater to a wide range of clients' requirements.

"We focus on the total needs of our clients and always emphasize services and prompt solutions for critical purchasing requirements."

Unlike general trading companies, our focus is on the total needs of our clients and our emphasis is on the services and prompt solutions for all their critical purchasing requirements. Our combined resources with Japan and others networking steel mills and manufacturers from Europe, USA, Korea, Taiwan and China over the last 30 years has enabled us to provide a very comprehensive package with extensive services, competitive prices and deliveries under extremely demanding situations to our worldwide clients.

At this juncture, I can assure you that our company is constantly on an upgrading trend to keep abreast of the technology within the industries. This will ensure that our staff is apt in the role they will be playing in contributing and adapting to the needs of your company professionally.

Yours sincerely

A handwritten signature in black ink, appearing to read 'KH Lim', written in a cursive style.

Mr. KH Lim
Chief Executive Officer

总裁致辞

井河原私人有限公司正式成立于1988年。井河原作为商社名字，始于1919年，当时创始人井河原敬治郎先生创建井河原制作所，生产农业机械和工具。迄今，商社已经发展成为完善的集团，业务涉及制造，物流和贸易。井河原制作所现更名为井河原工业有限公司，使用当今先进的机器制造出复杂的巨型柴油机机体，巨型多轴线机器部件等，它的贸易公司福助机工贸易有限公司和多家办事处以及子公司在日本和海外的业务广泛涉及陆用和海事工业，产品有工业设备，工具和备件。

井河原私人有限公司起初经营日本钢厂到东南亚的钢铁直接出口业务。公司通过调整市场策略和坚持不懈努力，现在除东南亚之外，我们的市场已经扩大到中国，印度，中东，非洲和欧洲等世界各地，同时我们的货源也扩展涵盖了欧洲，美国，中国大陆，台湾，韩国等地，以满足广大客户的需求。

我们注重客户的整体需求
和满足严格的采购要求，
我们强调高质量的服务
和快捷的解决方案

与普通贸易公司不同，我们注重客户的整体需求，针对所有紧急的采购要求，我们强调高质量服务和快捷解决方案。30多年来与日本，欧洲，美国，韩国，台湾，中国等世界各地工厂和库存商建立的广泛资源网络，使我们可以为全球客户提供

供综合性的整体服务，具有竞争力的价格和紧急情况下及时的交货期。

在此，我可以保证，我们将一直锐意进取，技术上力争上游，使我们的员工为您提供更灵活周到的专业化服务。



林金福
首席执行官

Quality Policy

We Shall Provide Quality Products & Services through effective implementation and continually improve the effectiveness of the **ISO 9001 and AS 9120 Quality Management System**

我们通过有效执行和持续改进ISO9001和AS9120A质量管理体系来提供优质产品和服务

We shall:



Never compromise and put profit above the quality management system.

永远将质量管理体系放在盈利之上



Conduct stringent check on the reliability of customers and vendors.

对客户和供应商的可信度方面实施严格的检查



Only engage in businesses where long term relations with customers and vendors are sustainable for the mutual benefits of all parties.

专注于与客户和供应商双赢的长期关系的业务



Adhered to customer requirements and specifications to achieve total customer satisfaction.

满足客户需求，保证客户满意

We are certified



ISO 9001 : 2015



AS 9120 B

Our History 公司历史

2013 Established Manila Office in Philippines
设立菲律宾代表处

2012 AS9120A Certificate Obtained
通过AS9120A认证

2012 Established Igawara India Pvt Ltd in Chennai, India
设立井河原印度有限公司-金奈

2011 Established IIST Shanghai Import & Export Company in China
设立中国爱谛（贸易）上海进出口公司

2010 ISO 9001 Certificate Obtained
通过ISO9001认证

2006 Established Jakarta Office in Indonesia
设立印尼雅加达代表处

2005 Established PT Kunming Gold Fortune in Indonesia
设立印尼PT昆明金运矿业私人有限公司

2004 Established PT Derawan Berjaya Mining and PT Pasir Berjaya Mining
设立印尼PT Derawan Berjaya Mining及PT Pasir Berjaya Mining 两间矿业公司

2003 Established Igawara Gold Fortune Pte Ltd
设立井河原金运矿业私人有限公司

1998 Established Dalian Office in China
设立大连代表处

1997 Established Shanghai Office in China
设立上海代表处

1990 Established Fistec Sdn Bhd in Malaysia
设立马来西亚子公司：Fistec Sdn Bhd

1988 Established Singapore Company
设立新加坡公司

Company Profile 企业介绍

Name of company	Igawara Industrial Service and Trading Pte Ltd
Date of Establishment	19 March 1988
Business registration no.	198800840N
Head office address	No.1 Gateway Drive, #11-11/15 Westgate Tower, Singapore 608531 Tel: +65 6566 1191 Fax: +65 6566 1194 Email: sales@igawara.com.sg
URL	http://www.igawara.com.sg
CEO/Managing Director	Lim Kim Hok
Overseas Locations	China – Shanghai, Dalian Indonesia – Jakarta India – Chennai Philippines – Manila Malaysia – Kuala Lumpur
Major Business	Trading of steel materials, related machinery and parts
Major Banks	Sumitomo Mitsui Bank, CitiBank
Major Certificate	ISO9001:2015 AS9120B

公司名称	井河原私人有限公司
成立日期	一九八八年三月十九日
企业注册号	198800840N
总部地址	No.1 Gateway Drive, #11-11/15 Westgate Tower, Singapore 608531 电话: +65 6566 1191 传真: +65 656 61194 电子邮箱: sales@igawara.com.sg
网址	http://www.igawara.com.sg
首席执行官/总经理	Lim Kim Hok
海外办公地点	中国 – 上海、大连 印尼 – 雅加达 印度 – 金奈 菲律宾 – 马尼拉 马来西亚 – 吉隆坡
主营业务	钢铁贸易及相关机械设备
主要银行	三井住友银行, 花旗银行
主要证书	ISO9001:2015 AS9120B

OUR BUSINESS COVERAGE

- Oil & Gas Industry - (Exploration & Production)
- Petrochemical/Refinery Industry
- Chemical/Pharmaceutical Plants
- Precision Engineering Equipment such as Pressure Vessel, Heat Exchanges, Columns, Towers, Tanks, etc.
- Marine & Offshore Industry
- Power Generation (Hydro, Nuclear, Coal)
- Clean Energy Generation (Windmill, Solar, Geo-Thermal)
- Nuclear Power Generation Industry
- Automobile Industry
- Aerospace Industry
- Pulp & Paper Industry
- Smelting Plants / Steel Plants
- Infrastructure / Building Construction
- Industrial Plants
- Cross-country Pipeline
- Waste & Desalination Plant

业务范围

- 石油和天然气工业一(勘探和生产)
- 石化 / 精炼行业
- 化学 / 制药厂
- 精密工程设备如, 压力容器, 换热器, 柱, 塔, 罐等
- 船舶和海洋工程
- 发电 (水力发电、核能、煤炭)
- 清洁能源 (风力、太阳能、地热)
- 核能发电产业
- 汽车产业
- 航空和航天工业
- 纸浆造纸工业
- 金属熔炼厂
- 基础建设 / 房屋建筑
- 工业厂房
- 长距离输油管线
- 污水处理和海水淡化工厂

Service with a Difference

We have an **efficient and experienced** team of staffs in various countries and regions concentrating on the trading of engineering steels and its related parts and equipments. We have the capacity to execute large and important orders; yet we are conscientious enough to pay attention to the smallest requirements.

Our experienced engineers and in house QC engineers also provide technical support on top of their general sales services .We provide quality products and services through effective implementation and continually improve the effectiveness of the ISO 9001 and AS9120 Quality Management System.

Having an engineering-based team means that we can understand the technical needs of our client better. This flexibility also enables us to provide single-piece orders or complete package requirements of various products to our clients, whether in single or multiple orders and projects. We focus on the total needs of our clients from a particular industry. This reduces the need for most buyers to cope with multiple dealers for products of different size, variety, several different sources, or products from various parts of the world. We also reduce the need for most buyers to deal with different salespeople and departments within the same trading company.

Our policy has been successfully carried out in Japan for the past 90 years, and for the past 30 years outside Japan. Our comprehensive experience and vast network of manufacturing sources around the world have enabled us to provide the most competitive prices and reliable service to our clients.

Our strength lies in our people, our resources, our flexibility and our tireless commitment to serving our customers.

提供与众不同的服务

我们拥有来自不同国家和地区高效且经验丰富的专业团队。专门从事工程用钢铁和相关部件及设备的贸易。我们拥有执行大订单的能力，同时对小订单也认真尽责。

我们经验丰富的工程师和质量控制工程师提供销售上的技术支持，我们通过有效执行和持续改进 ISO9001 和 AS9120 质量管理体系来提供优质产品和服务。

拥有一个以工程师为主的团队意味着我们能更好地理解客户的技术要求，这种灵活性使我们不仅可以有效地执行单一产品的订单，更能出色地完成多种不同产品组合的打包订单。针对不同行业的客户，我们注重客户的整体需求，减轻大部分采购人员因采购产品，尺寸,规格种类繁多与众多供货方联络的负担，省却采购人员需同时应付同一公司不同销售人员和不同部门的麻烦。

我们的管理和营销策略在日本成功地实施了90年，在新加坡等地30年。丰富的经验和在世界各地庞大的生产资源网络使得我们能够向客户提供最具竞争力的价格和值得信赖的服务

我们的实力来自于我们的员工、我们的资源、我们的灵活性和我们对客户不倦的服务承诺。

We cover a wide range of industries which include:

- Petrochemical 石化
- Oil & Gas exploration & production
石油天然气勘探和生产
- Power Generation 电力
- Pharmaceutical 制药
- Pulp and papers 造纸
- Aerospace 航空航天
- Precision Engineering Equipment
精密工程设备
- Metal Smelting 金属冶炼
- Infrastructure 基础设施建设

Tubes 小口径管

We supply full range of seamless and welded tubes for Boilers, Condenser, Superheater, Reheater, Cooler and Heat exchanger. Available grades at present include but not limited to following:

我们为锅炉、冷凝器、过热器、再沸器、冷却器、换热器提供各种规格的无缝和焊接管, 目前包括但不限于如下规格:

AVAILABLE MATERIAL RANGE	材料范围
ASTM/ASME, JIS, EN, BS, GB	ASTM/ASME, JIS, EN, BS, GB
Carbon Steel	碳钢
Low Alloy Steel	低合金钢
Low Temperature Service	低温用钢
High Temperature Service	高温用钢
Chrome - Moly	铬钼合金
Stainless and Duplex Stainless	不锈钢和双相不锈钢
Copper & Copper Alloy	铜和铜合金
Nickel Alloy	镍合金
Titanium Alloy	钛合金
Composite (Bimetal)	复合材料 (双金属材料)
AVAILABLE MATERIAL TYPE	可供材料类型
Straight Tube	直管
U Tubes	U型管
Longitudinal Finned	纵向翅片管
Helical/Spiral Finned	螺旋翅片管
Embedded, Extruded, L, LL Finned	G 型 (镶嵌式), 挤压管, L型, LL型翅片管
Square Finned	方形翅片管
Oval Finned	椭圆形翅片管
Casting Finned	铸造翅片管
Integral Low Finned	整体低翅片管
Stud Tube	柱式管
Omega	欧米茄管
Humped	驼峰管
Rifle Groove	内螺丝管



Pipes 大口径管

Seamless and welded pipes of Ferrous and Non-Ferrous grades meeting most stringent standard worldwide.
符合世界最严格标准的铁基和非铁基无缝，焊接管

AVAILABLE TYPE AND SIZE RANGE		可供类型和尺寸范围
Seamless (Hot Drawn, Hot Extrusion)	无缝（热拔，热挤压）	2"NB up to 24"NB
Seamless (Cold Drawn)	无缝（冷拔）	6mm up to 406mm OD (外径)
Seamless (Trapezium)	无缝（梯形）	12"NB up to 30"NB
Welded (ERW)	焊接（电阻焊）	1/2"NB up to 24"NB
Welded (E. Fs. W)	焊接（电熔焊）	16"NB up to 108"NB
Welded (Spiral SAW)	焊接（螺旋埋弧焊）	16"NB up to 96"NB
Welded (SAW - UOE, JCO)	焊接（埋弧焊 UOE，JCO）	16"NB up to 48"NB
Welded (SAW, E.Fs.W - Bending Roll)	焊接（埋弧焊，电熔焊，辊弯）	6"NB up to 120"NB
AVAILABLE MATERIAL GRADE		可供材料级别
ASTM/ASME, JIS, EN, BS, GB		ASTM/ASME, JIS, EN, BS, GB
Carbon Steel for Process and Structural Application		深加工和结构用碳钢
High Strength Carbon Steel for Process and Structural Application		深加工和结构用高强度碳钢
Quenched and Tempered Steel		淬火和回火钢
Low Temperature Service		低温用钢
High Temperature Service		高温用钢
HIC (Hydrogen-Induced Crack) Resistance		NACE TM02-84 抗HIC钢
SSC (Sulfide-Stress-Corrosion Crack) Resistance		NACE MR01-75 抗SSC钢
Chrome - Moly		铬钼钢
Stainless, Duplex, Super-Austenitic Steel		不锈钢，双相不锈钢，超级奥氏体不锈钢
Copper and Copper Alloy		铜及铜合金
Nickel Alloy		镍合金
Titanium Alloy		钛合金
Clad Steel (Hot Roll Bond Type)		复合材料（热轧复合）

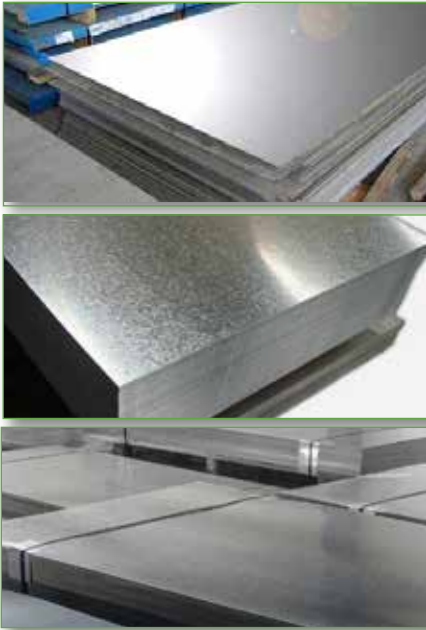


Plates & Sheets 板材

Standard size or tailored size in accordance with equipment/tankage cutting plan, from mill indent with long lead time with specific project technical conditions to ex-stock item with rush delivery deadline. Additional testing such as Through Thickness Test to Z15-Z35, HIC Test, Ultrasonic, CTOD (Crack Tip Opening Displacement) test can be performed at the request of customers.

标准尺寸或根据设备和容器切割计划订做尺寸；工厂生产，交货期长，技术条件特殊产品到交货期紧急的库存产品。根据客户要求提供Z15~35全厚度拉伸试验，HIC试验，UT检验，裂纹尖端张开位移（CTOD）试验。

AVAILABLE MATERIAL RANGE	可供材料范围
ASTM/ASME, JIS, EN, BS, GB	ASTM/ASME, JIS, EN, BS, GB
Carbon Steel for General Application	一般用途碳钢
High Yield Structural Steel, 355Mpa,500Mpa,690Mpa	高屈服值结构钢
Shipbuilding Grade A to High Yield EH36	A级到高屈服值EH36船板
Quenched and Tempered Steels	淬火和回火钢
Low Temperature Service	低温用钢
High Temperature Service	高温用钢
Chrome - Moly Steel	铬钼钢
Atmospheric Corrosion Resistance	耐候钢
Sulphuric-Acid Dew-Point Corrosion Resistance Steel	耐腐蚀钢
Abrasion Resistance	耐磨钢
HIC (Hydrogen-Induced Crack) NACE TM0284 Resistance	NACE TM0284 抗HIC钢
SSC (Sulfide-Stress-Corrosion Crack) NACE MR0175 Resistance	NACE MR0175 抗SSC钢
Lamellar Tearing Resistance (Z Test)	抗层状撕裂钢（Z向试验）
Stainless and Duplex Stainless	不锈钢及双相不锈钢
Copper & Copper Alloy	铜及铜合金
Nickel Alloy	镍合金
Titanium Alloy	钛合金
Clad Steel, Hot Rolled Bond Type and Explosive Type	复合材料（热轧复合及爆炸复合）



Coils 卷材

HR, CR, GI, Coated in Low carbon steel, HSLA steel, Silicon steel, Stainless Steel (3xx, 4xx series), Nickel alloy and Titanium. We also supply precision rolled narrow strip from 0.1mm thick in Stainless, Duplex, Nickel and Titanium grade.

热轧，冷轧，镀锌，低碳涂镀钢卷，HSLA钢，硅钢，不锈钢（3系列，4系列）镍合金和钛材。我们也提供厚度0.1mm以上的不锈钢，双相钢，镍及钛材精轧窄带。



Forged Fittings 锻制管件

We supply a full range of forged fittings of a variety of steel types and sizes which play an important role in fulfilling the total needs of our customers in our total pipe package sales.

我们供应多钢种和尺寸的锻制管件，满足客户采购管子时对管件的整体要求

AVAILABLE MATERIAL RANGE	可供材料范围
ASTM/ASME, JIS, EN	ASTM/ASME, JIS, EN
Carbon and Low Alloy	碳钢和低合金钢
Ferritic Alloy	铁素体合金
Stainless, Duplex and Superduplex	不锈钢及双相钢、超级双相钢
Aluminium and Aluminium Alloy	铝和铝合金
Brass, Bronze and Copper Alloy	黄铜、铜和铜合金
Cupro Nickel and Copper Nickel	铜镍合金
High Nickel and Super Alloy	高镍和超级合金
Titanium Alloy	钛合金
HIC & SSC Tested Steel	抗HIC&抗SSC钢
AVAILABLE TYPE	可供类型
Socket Weld	承插焊接
Threaded	螺纹
Elbow	弯头
Tee	三通
Cross	十字通
Lateral	斜三通
Coupling	管箍
Union	活接头（由壬）
Cap	管帽
Plug	管塞
Nipple (Pipe, Swage)	短节（管子，渐缩管）
Reducer Insert	异径插入件
O-Let's (Weld, SW, Thread)	管座/支管台（焊接，承插焊接，螺纹）
Nipolet	短管支管台
Flange O-Let	法兰管座



Flanges 法兰

From standard flanges meeting common material and dimensional specification to special tailor-made flanges of a variety of steel types and sizes meeting the most stringent project requirement.

标准法兰和满足最严格项目技术要求的定制法兰

AVAILABLE MATERIAL RANGE	可供材料范围
ASTM/ASME, JIS, EN	ASTM/ASME, JIS, EN
Carbon and Low Alloy	碳钢和低合金钢
Ferritic Alloy	铁素体合金
Stainless, Duplex and Superduplex	不锈钢和双相钢
Aluminium and Aluminium Alloy	铝和铝合金
Brass, Bronze and Copper Alloy	黄铜、铜和铜合金
Cupro Nickel and Copper Nickel	铜镍合金
High Nickel and Super Alloy	高镍和超级合金
Titanium Alloy	钛合金
HIC & SSC Tested Steel	抗HIC&抗SSC钢
Clad Steel	复合钢铁材料

AVAILABLE DIMENSIONAL SPECIFICATION (可供规格尺寸)
ANSI, MSS, AWWA, API, ASME
JIS, JPI, BS, DIN, GOST, KS
LWN, H&S TYPE
TEMA



Forgings, Tailor-Made Flanges & Nozzles For Pressure Vessels & Equipment

压力容器和设备用锻件, 定制法兰和喷嘴

AVAILABLE MATERIAL RANGE	可供材料范围
ASTM/ASME, JIS, EN, BS, GB	ASTM/ASME, JIS, EN, BS, GB
Carbon and Low Alloy Steel	碳钢和低合金钢
Ferritic Alloy	铁素体合金
Low Temperature	低温钢
Stainless, Duplex and Superduplex	不锈钢及双相钢、超级双相钢
Aluminium and Aluminium Alloy	铝和铝合金
Brass, Bronze and Copper Alloy	黄铜、铜和铜合金
Cupro Nickel and Copper Nickel	铜镍合金
High Nickel and Super Alloy	高镍和超级合金
Titanium Alloy	钛合金
HIC & SSC Tested Steel	HIC&SSC试验钢
Clad Steel	复合钢铁材料
AVAILABLE TYPE	可供类型
LWN, H, S, V1-V3 with or without Saddle	长颈焊接法兰, H、S、V1-V3带鞍和不带鞍型
Tailor-made per drawing	按图纸定制
Blind Disc	盲板
Complete drilled, grooved and partition slot machined Tube Sheet	完全钻孔, 开槽和分割槽加工的管板
AVAILABLE SIZE	可供尺寸
Seamless Flange up to 8m diameter	无缝法兰, 最大外径8米
Nozzle up to 20 metric ton per piece	喷嘴, 最大单重20吨

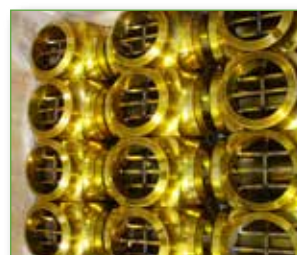


Butt-Weld Fittings 对焊管件

From standard size meeting common international specification to tailor-made fittings of extreme larger and thick elbows, reducers, tees, caps, lateral and stub ends meeting most sophisticated material and dimensional specifications.

标准尺寸, 满足国际标准; 定制特大或特厚, 满足最复杂规格和尺寸标准的弯头, 异径管, 三通, 管帽, 翻边短节

AVAILABLE MATERIAL RANGE	可供材料范围
ASTM/ASME, JIS, EN	ASTM/ASME, JIS, EN
Carbon Steel	碳钢
High Strength Steel	高强度钢
Quenched and Tempered Steel	调质钢
Low Temperature Service	低温用钢
High Temperature Service	高温用钢
HIC (Hydrogen-Induced Crack) Resistance	抗HIC钢
SSC (Sulfide-Stress-Corrosion-Crack) Resistance	抗SSC钢
Chrome-Moly	铬钼钢
Stainless and Duplex Stainless	不锈钢和双相钢
Copper Alloy	铜合金
High Nickel Alloy	高镍合金
Titanium Alloy	钛合金
Clad Steel	复合钢铁材料



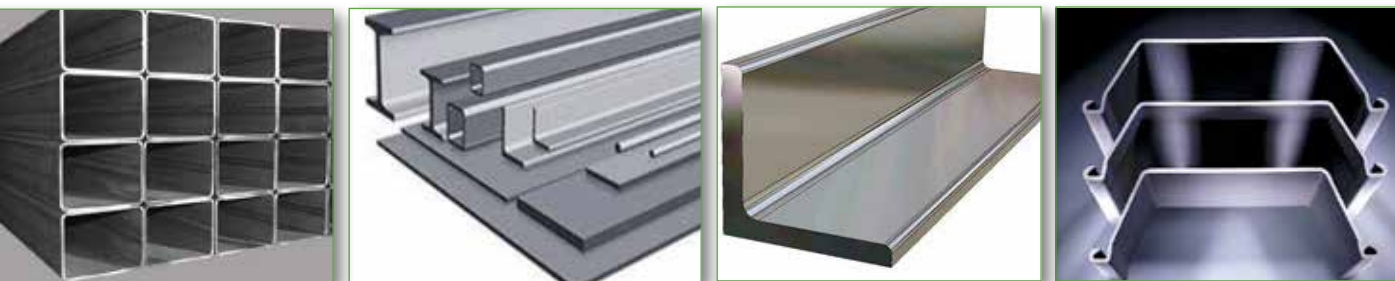
Structural Beams, Angles, Channels, Hollow Sections, Rods, Flat Bars, Sheet Piles 结构用钢

Rolled beam, channel, angle, flat bar, round bar, sheet piles for plant construction, infrastructure structure, Bridges and non-pressure parts of pressure equipments. Dimensional standards ranging from Imperial Series (Inch size), Metric Series & Euro Norm series (HEA, HEB UPN, IPE, PFC,U etc) and welded build-up beam for size above 600mm (24") or non-standard type.

轧制的型钢，槽钢，角钢，扁钢，圆钢用于工厂建设，基础建设结构，桥梁和压力设备的非承压部分。尺寸标准从英制系列（英寸），公制系列，欧洲标准系列（HEA, HEB UPN, IPE, PFC,U等）和焊接600毫米（24"）以上或非标准的型号。

Our strong international connections with mills and stockists enable us to supply assortments of structural shapes in accordance with customer demand in project specifications and project schedules.

与全球生产工厂和库存商的紧密联系使我们可以根据客户项目要求和进度提供各种型材



Instruments & Valves 仪器仪表&阀门

Together with our strategic partners, we supply Instruments and Valves to the oil & gas, petrochemical, chemical and power plant, and marine industries.

与我们的战略合作伙伴一起，我们为石油和天然气、石化、化工和发电厂以及海洋行业提供仪器仪表及阀门。



Formed Heads 封头

We supply both Seamless and Welded construction by Hot forming or Cold forming process.
我们提供热成型和冷成型加工的无缝和焊接封头。

SUPPLY RANGE OF FORMED HEADS		封头供货范围	
Type	Semi-Ellipsoidal 2:1	类型	2:1 半椭圆型
	Torispherical		准球型
	Flat Head		平头
	Hemi Head		半球形
	Concentric Conical Head		同心锥形头
	Eccentric Conical Head		偏心锥形头
Max. Diameter: 12,000mm by Colde Spin Process		最大直径： 12,000毫米冷旋制造	
(Max. Diameter of Seamless Head: 4,500mm)		(无缝封头的最大直径： 4,500毫米)	
Max. Thickness ever supplied: 254mm		供货的最大厚度： 254毫米	
AVAILABLE TYPE		供货范围	
ASTM A36, A283-C, A572-50, JIS SS400 as Rolled or Normalized Carbon Steel		调制钢	
ASTM A285, A515, A516, BS151-223-490B, EN P265GH, JIS SB410 Quenched & Tempered Steel		淬火和回火钢	
ASTM A537, JIS SPV450, SPV490 Low Alloy Steel		低合金钢	
ASTM A203, A204, A387, A724 Nickel, Molybdenum, Chromium & Other Grades		镍，钼，铬和其他材料	
Stainless Steel (类型)	Austenitic Stainless Steel	奥氏体不锈钢	
	Ferritic Stainless Steel	铁素体不锈钢	
	Martensitic Stainless Steel	马氏体不锈钢	
	Austentic-Ferritic (Duplex) Stainless Steel	双相不锈钢	
Supply Range Of Formed Heads	Aluminium Alloy: Alloy 5083, Alloy 6061	铝合金 Alloy 5083, Alloy 6061	
	Copper: Deoxidied Copper Naval Brass, Aluminium Bronze etc.	铜： 脱氧铜， 海军黄铜， 铝青铜等	
	Nickel: Copper Nickel Alloy 200, 400, 600, 625, 800HT, 825, 904L, C276, C22 etc.	镍： 铜镍合金 Alloy 200, 400, 600, 625, 800HT, 825, 904L, C276, C22 等	
	Titanium: Unalloyed Grade 1, Grade2, Grade7, Grade16, etc.	钛： 非合金1级， 2级， 7级， 16级等	
Cladding Steel (复合材料) (Hot Rolled Bond and Explosion Process) (热轧或爆炸复合)	Carbon and Low Alloy Steel + Stainless Steel	碳钢与低合金钢+不锈钢复合	
	Carbon and Low Alloy Steel + Nonferrous Metal (Al, Ti, Copper etc.)	碳钢与低合金钢+有色金属 (铝， 钛， 铜等) 复合	



Hi-GD Earth Grounding Device for Lightning Protection

雷电防护Hi-GD 接地装置

Hi-GD Earth grounding device, patented product, is an innovative product using anti-corrosive conductive coating sprayed on the surface of hot-dip galvanized steel.

Hi-GD 防腐接地装置是一个创新的专利产品，使用防腐导电涂层喷在热浸镀锌钢表面。

Coating leaves no heavy pollution to the soil, effectively closing the gaps between galvanized flat steel through the use of carbon matrix material and resin.

涂层对土壤无重污染，通过使用碳和树脂的复合材料，有效地封闭镀锌钢和外界的联系。

System is durable, reducing the need for follow up maintenance and environment cost of the system.

装置的耐用性强，减少了后续系统维护和环境修复的成本。

Hi-GD certified by TUV

Hi-GD 获得TUV认证



Hi-GD registered the trademark
in Singapore

Hi-GD 在新加坡已经注册商标



Manufacturing Process 制造工艺



Hi-GD Earth grounding device, patented product, is an innovative product using anti-corrosive conductive coating sprayed on the surface of hot-dip galvanized steel.

Hi-GD 防腐接地装置是一个创新的专利产品，使用防腐导电涂层喷在热浸镀锌钢表面。

High - Quality
Low Carbon Steel
高质量低碳钢



Large Scale
Hot-Dip Galvanizing
大型热浸镀锌



High Pressure
Spray
高压喷涂



Great emphasis is placed on quality, with utmost importance being placed even in early stage of manufacturing. Raw materials are only purchased from reputable mills and stringent QC are executed.

原材料取材严格，购买于信誉良好、质量控制先进的工厂。

Production lines are fully automated. Two-way automated spray-on the anti-corrosive conductive coating. Large-scale production (annual production capacity of 2000km). Anti corrosive coating with leading technology, quality and stability.

生产线全自动，双向自动喷涂。规模生产：每年2000公里。防腐涂层技术领先、质量稳定。

Hi-GD Earth Grounding Device
Hi-GD 防腐接地装置



Double layered packing is taken to prevent product damage during transportation. The strips are wrapped with bubble wrap, followed by a metal frame encasing the packed strips to prevent deformation under stress weight when stacked.

两层包装避免产品在运输过程中损坏。产品先用泡沫包装，然后用金属框架箱固定，防止重压变形。

Earth Grounding Device Project List 接地线装置投运项目名称

Project 项目	Location 地点
SINOPEC Qingdao Petrochemical Co., Ltd. 10 Million Tons/Year Petroleum Refining & Supporting Device Projects. 中国石化青岛炼油化工有限公司1000万吨/年炼油及配套装置项目	Qingdao 青岛
SINOPEC Qilu Branch Thermal Power Plant, Refinery, Plastic Plant, Olefin Factory Grounding Grid Rectification. 中石化齐鲁分公司热电厂、炼油厂、塑料厂、烯烃厂接地网整改	Zibo 淄博
SINOPEC Tianjin Company Tank Farm Reforming Project 中国石化天津石化炼油厂罐区改造	Tianjin 天津
SINOPEC Fuzhou Refinery Integrated Project 中国石化福炼一体化项目	Quanzhou 泉州
Shanxi Yanchang Petroleum Yangzhuanghe Refinery Integrated Project 陕西延长石油杨庄河炼化一体化项目	Yanchang 延长
SINOPEC Puguang Gasfield Natural Gas Conditioning Plant Project 中石化普光气田天然气净化厂项目	Puguang 普光
SINOPEC Tianjin 1 Million Tons/Year Ethylene & Supporting Projects. 中国石化天津100万吨/年乙烯及配套项目	Tianjin 天津
SINOPEC Guangzhou Company Hydrogenation Device. 中国石化广州石化重整加氢装置	Guangzhou 广州
SINOPEC Guangzhou Company 1.5 Million Tons/Year Catalytic Cracking Absorption Device. 中石化广州石化150万吨催化裂化吸附装置	Guangzhou 广州
CNPC Daqing Petrochemical Co., Ltd. 1.2 Million Tons/Year Hydro-Reforming Device. 中石油大庆石化120万吨/年加氢精制装置	Daqing 大庆
SINOPEC Cangzhou Company S-Zorb Project/Benzene Extraction Unit /Coking Unit Renovation Project. 中石化沧州分公司S-Zorb项目/苯抽提项目/焦化装置改造	Cangzhou 沧州
CNPC Harbin Petrochemical Company Hydro-Reforming Device. 中石油哈尔滨石化公司重整加氢装置	Harbin 哈尔滨
CNPC Urumqi Petrochemical PX Device. 中国石油乌鲁木齐石化PX装置	Urumqi 乌鲁木齐
Qingdao petrochemical plant High Add Crude Oil Renovation Project. 中国石化青岛石油化工厂高酸原油改造项目SINOPEC	Qingdao 青岛
SINOPEC Nanjing Yangzi Petrochemical Reforming Project. 中国石化南京扬子石化全厂改造	Nanjing 南京
CNOOC 400k Tons Calcined Coke Project. 中海油40万吨煅后焦项目	Huizhou 惠州
SINOPEC Jinan Refinery Plant 900k Tons/Year S-Zorb Catalytic Gasoline Adsorption Desulfurization Device Part of Power Distribution. 中国石化济南炼油厂90万吨/年S-Zorb催化汽油吸附脱硫装置动力配电部分	Jinan 济南
Sinochem Xingzhong Transport (Zhoushan) Co., Ltd. Xingzhong Warehouse Area Pump Room Project. 中化国际兴中转运（舟山）有限公司兴中库区泵房项目	Zhoushan 舟山
SINOPEC Maoming company 220K Tons /Year Benzene Extraction Device. 中国石化茂名分公司22万吨/年苯抽提装置（全套装置）	Maoming 茂名
CNPC Daqing Petrochemical Co., Ltd. 1.2 million Ton/year Ethylene Device. 中国石油大庆石化120万吨/年乙烯装置	Daqing 大庆
CNPC Sichuan Petrochemical Refinery Integrated Project. 中石油四川石化炼化一体化项目	Pengzhou 彭州
Shanghai Gaoqiao Petrochemical Reforming Project. 上海高桥石化炼油项目改造	Shanghai 上海
Sinopec (Yanshan Petrochemical) Mitsubishi Chemical Polycarbonate Beijing Co. Ltd. BPAPC Project. 北京燕山石化中国石化三菱化学聚碳酸酯（北京）有限公司BPAPC项目	Yanshan 燕山
CNPC Urumqi Petrochemical Co., Ltd. 600K Tons/Year Gasoline Oil Quality Upgrading Project. 中石油乌鲁木齐石化60万吨/年汽油升级改造项目	Urumqi 乌鲁木齐
CUPC Lanzhou Petrochemical CO., Ltd. 3.5 Million tons/year Diesel Hydrogenation Project. 中石油兰州石化350万吨/年吨柴油加氢装置	Lanzhou 兰州
CNPC Lanzhou Petrochemical CO., Ltd. Crude Oil Strategic Reserves. 中国石油兰州石化兰州生产运行原油储备库工程	Lanzhou 兰州
SINOPEC Wuhan Filiale 800k Tons /Year Ethylene Project. 中国石化武汉分公司80万吨/年乙烯工程	Wuhan 武汉
China based Korea Lixing Chemical Project 韩国丽星化工项目	Qingdao 青岛
Jiangsu Hailun Petrochemical PTA Phase I Project. 江苏海伦石化PTA项目一期工程	Jiangyin 江阴
Shanxi Yanchang Group Ethylbenzene and Phenylethylene Project. 陕西延长集团乙苯、苯乙烯项目	Yanchang 延长
SINOPEC Shijiazhuang Refining Co., Ltd. Oil Quality Upgrading Project. 中石化石家庄炼化分公司油品质量升级及原油劣质化改造工程	Shijiazhuang 石家庄
SINOCEM Quanzhou. 12 Million Tons/Year Oil Refining Project. 中化泉州1200万吨/年炼油项目	Quanzhou 泉州
Jiangsu Honggang Petrochemical PTA Project. 江苏虹港石化PTA项目	Jiangyin 江阴
Dongying Shengli Oilfield Company Oil Refining Reforming Project. 东营胜利油田炼油改造项目	Dongying 东营
Shandong Liquefied Natural Gas (LNG) Project. 山东液化天然气（LNG）项目	Qingdao 青岛
China Coal Energy Company Limited Shaanxi Yulin Energy Chemical Co., Ltd. Methanol Acetic Acid Series Of Deep Processing And Comprehensive Utilization Project. 中煤陕西榆林能源化工有限公司甲醇醋酸系列深加工及综合利用项目	Yulin 榆林
Lanzhou Sanaye Company 60K Tons/Year Dry Gas-TO-Ethylbenzene Project. 兰州三叶公司6万吨/年干气制乙苯项目	Lanzhou 兰州
Nanjing Yangzi Process High Sulfur High Acid Crude Oil Renovation Project. 南京扬子加工高硫高酸原油适应性改造项目	Nanjing 南京
China Coal Energy Company Limited .Ordos Mengda Energy Chemical Co., Ltd 500K Tons/Year Engineering Plastics Project 中煤集团鄂尔多斯蒙大能源化工有限公司50万吨/年工程塑料项目	Ordos 鄂尔多斯
China Shenhua Coal To Liquid and Chemical Co., Ltd. Xinjiang 680K/Year Coal Based New Material Project. 中国神华煤制化工有限公司新疆68万吨/年，煤基新材料项目	Urumqi 乌鲁木齐
SINOPEC Fujian Joint Petroleum Chemical Ltd.Co. Reforming and Oil quality Upgrading Project 中石化福建联合石化 乙烯装置脱瓶颈改造、新建化工装置、油品质量升级及原油适应性改造项目	Quanzhou 泉州
SINOPEC Yuanba Gasfield Conditioning Plant Project. 中石化元坝气田净化厂项目	Yuanba 元坝
Shanghai Sinopec Mitsui Chemical Co., Ltd. 400k Tons/Year Phenol Acetone Project. 中国石化上海三井化工有限公司40万吨/年苯酚丙酮项目	Shanghai 上海
Zhenhai Petrochemical 15 million Tons Petroleum Refining Reforming And Expansion Project. 镇海石化1500万吨炼油改扩建项目	Ningbo 宁波
China France Joint Venture West Pacific Petrochemical Company Ltd. Dalian Expansion project. 大连西太平洋石化改扩建项目	Dalian 大连
CNPC Yunnan 13 million Tons/year Oil Refining Project. 中石油云南1300万吨/年炼油项目	Kunming 昆明
Shanxi Gangke Carbon Material Co., Ltd T800 Polyacrylonitrile Carbon Fiber Industrialization Project. 山西钢科碳材料有限公司/T800级聚丙烯腈碳纤维产业化项目	Shanxi 山西
CNPC Yumen Oilfield Company 700K Tons/ Year Diesel Hydrofining Device Project. 中石油玉门油田公司炼油70万吨/年柴油加氢精制极配套	Yumen 玉门
CNPC Harbin Petrochemical Co., Ltd 1 Million Tons/Year Diesel Hydrogenation Project. 中石油哈尔滨石化100万吨/年柴油加氢项目	Harbin 哈尔滨
Shanxi Luan High-sulphur coal Clean Utilization Oilation Electric Heating Demonstration Integrated Project. 山西潞安高硫煤清洁利用油化电热一体化示范项目	Shanxi 山西
CNPC Daqing Petrochemical Co., Ltd Diesel Hydrosulphurization Unit. 中石油大庆石化新建柴油加氢脱硫装置	Daqing 大庆
China Venezuela joint venture Guangdong Petrochemical Co., Ltd. 20million Tons /Year Heavy Oil Processing Project. 中石油中委合资中国石油广东石化公司2000万吨/年重油加工工程项目CNPC	Jieyang 揭阳
TRW Ordos Coal Deepen Processing Demonstration Project. 中天合创鄂尔多斯煤炭深加工示范项目	Erdos 鄂尔多斯
CNPC Tarim Crassus GAS Field Keshen Treatment Plant Phase I Project. 中石油塔里木克苏气田克深处理厂一期工程	Tarim 塔里木
CNOOC Huizhou Refinery Phase I Project. 中海油惠州炼化二期项目	Huizhou 惠州
Gangjian Filiale Haiye Mokerui Petroleum Products Tank Farm Project. 港建分公司海业摩科瑞油品罐区工程	Qingdao 青岛

Aerospace Materials 航空航天材料



IGAWARA - AEROSPACE MATERIALS DIVISION's vision is "to become first choice when specialty materials required". We are one of few holders of AS 9120A certification in Singapore. This accreditation is a benchmark to achieve a status as a global recognized and accepted Supplier, Stockist & Distributor of raw materials & parts to manufacturers & OEM's of the aerospace industry. This Standard addresses chain of custody, product safety, reliability leading to complete traceability, control of records, proper batch management and evidence of conformity. As we engage the most qualified professional staff in aerospace industry, our business has been growing rapidly and we have been supplying to several clients in China, India and SE Asia.

新加坡井河原株式会社航空航天部是您需要航空航天特殊材料时的首选。在新加坡，我们是少数几个拥有航空航天专业质量证书AS9120A的供应商。通过该质量标准的认证，充分证明了在航空航天制造和OEM代工产业链中，我们是全球认可和接受的原材料和零部件的供应商，存货商和分销商。该标准强调产品的整套监管链，产品的安全性和可靠性，从而要求完整的可追溯性，严格的产品记录，有条序有证明的管理控制。我们拥有合格的航空航天专业人员，在他们的努力下，我们的业务在中国印度和东南亚迅速增长。

Its qualified materials engineers would be attending your needs and suggest you valuable methods to fulfil your need. Its strength always lies in being part of solution to your difficult problems in this supply chain.

我们优秀的材料工程师将满足您的需求并提出有价值的方案，在供应链中充当为您解决难题的有力角色。



Igawara has capabilities to provide value added services like cutting, heat treating, ensuring staggered deliveries for your projects need.

我们有能力提供增值服务例如切割，热处理，以惊人的交货期满足您项目的需要。



It focuses on supplies of Stainless Steels, Alloy Steels, Aluminum Alloys, Copper Alloys, Titanium alloys, Tool Steels, Ni Alloys & Cobalt- Cr Alloys in the form of Bars, Rods, Wires, Tubes, Pipes, Sheets, Plates, Forgings, Cast Plates, Coils, Strips & Slabs to AMS, ASTM, Federal Specifications, EN, BS, DIN and Russian Specifications.

我们根据AMS，ASTM 联邦标准，EN，BS，DIN和俄国标准供应不锈钢，合金钢，铝合金，铜合金，钛合金，工具钢，镍合金和钴铬合金型材，棒材，丝，管材，板材，锻件，铸板，卷，带和板坯。

Aerospace Materials Division

STAINLESS STEELS	
GRADE	SPECIFICATION (Sheet, Plate, Rod, Bar, Forging, Coil & Tubing)
301 (ANN, 1/4H, 1/2H, FH)	AMS 5901, AMS 5515, AMS 5517, AMS 5518, AMS 5519
302 (ANN, 1/4H, 1/2H, FH)	AMS 5516, AMS 5636, AMS 5637, AMS 5903, AMS 5904, AMS 5906
302 Cond B	AMS 5637, AMS-QQ-S-763
303, 303SE	AMS 5640, AMS 5641, AMS 5738
304, 304L	AMS 5513, AMS 5639, AMS 5647, AMS 5560, AMS 5564, AMS 5565, AMS 5566
316, 316L	AMS 5524, AMS 5507, AMS 5510, AMS 5648, AMS 5649, ASTM F138, AMS 5649, AMS 5653
321, 321ANN	AMS 5510, AMS 5689, AMS 5645, AMS 5570, AMS 5576, AMS 5557
347	AMS 5571, AMS 5512, AMS 5646, AMS 5654, AMS 5575, AMS 5556
410	AMS 5504, AMS 5612, AMS 5613, AMS 5591, QQ-S-763
416, 418	AMS 5610, AMS 5349, AMS 5616, AMS 5508
420, 420F	AMS 5621, AMS 5506, AMS 5620, AMS 5627
430, 430F, 431	AMS 5503, ASTM A240, AMS 5627, ASTM A484, AMS 5628
440C	AMS 5618, AMS 5630, AMS 5880, QQ-S-763
17-4PH	AMS 5643, AMS 5604, AMS 5622, AMS 5342, AMS 5344, AMS 5355, AMS 5825, AMS-H-6875
17-7PH	AMS 5528, AMS 5529, AMS 5568, AMS 5644, AMS 5678
15-5PH	AMS 5659, AMS 5826, AMS 5862, AMS-H-6875
13-8Mo	AMS 5629, AMS 5864, AMS 5840
Nitronic 40 (21-6-9)	AMS 5656, AMS 5595, ASTM A276, ASTM A412, MIL-T-9821
Nitronic 50 (XM-19, 22-135)	AMS 5764, AMS 5861, ASTM A193, ASTM A194, ASTM A276, ASTM A240, ASTM A479, AMS 5764
Nitronic 60	AMS 5848, ASTM A193, ASTM A194, ASTM A276, ASTM A240, ASTM A479

ALLOY STEELS	
GRADE	SPECIFICATION (Sheet, Plate, Rod, Bar, Forgings, Coil, & Tubing)
4130	AMS 6345, AMS 6346, AMS 6350, AMS 6360, AMS 6361, AMS 6362, AMS 6374, AMS 6528
4140, 4140M	AMS 6379, AMS 6381, AMS 6382, AMS 6390, AMS 6395
4330, 4330M	AMS 6427, AMS 6411
4335, 4335M	AMS 6428, AMS 6429, AMS 6430
4142H	AMS 6378
4340	AMS 6415, AMS 6414, MIL-S-5000, MIL-S-8844 CL 1, AMS 6417, AMS 6419
4620	AMS 6294, MIL-S-7493
6150, 6150Vac	AMS 6448, AMS 6450, AMS 6455
52100, 52100Vac	AMS 6440, AMS 6441, AMS 6444, AMS 6447, MIL-S-7420
8620	AMS 6276, AMS 6274, AMS 6277, MIL-S-8690, MIL-S-16974
8740	AMS 6322, AMS 6323, MIL-S-6049
9310, 9310vac	AMS 6265, AMS 6260, MIL-S-7393, BMS 7249
HP 9-4-20	AMS 6523, AMS 6525
HP 9-4-30	AMS 6524, AMS 6526
HP 9-4-25	AMS 6546
D6AC, D6AC Vac	AMS 6431, AMS 6439
135 MOD	AMS 6470, AMS 6471, AMS 6472
300M	AMS 6419, MIL-S-8844
Tool Steels	O6, H11, H13, D2 & D6

ALUMINUM ALLOYS	
GRADE	SPECIFICATION (Sheet, Plate, Rod, Bar, Forging, Coil, Tubing & Extrusion)
AL 1100 (O, H14)	AMS 4001, AMS 4003, QQ-A-250/1
AL 2014	AMS-QQ-A-225/4, AMS 4028, AMS 4029, AMS 4121, AMS 4153
AL 2017	AMS 4118, AMS-QQ-A-430
AL 2024	BS L97, BS L98, BS L109, BS L110, AMS 4041, AMS 4035, AMS 4037, AMS 4040, AMS 4152, AMS 4165, AMS 4088, AMS 4112, AMS 4119, AMS 4120
AL 2124	AMS 4101, AMS 4221, AMS-QQ-A-250/29
AL 2219	AMS 4031, AMS 4162, AMS 4163, AMS 4068, AMS 4066, AMS 4095, AMS 4096
AL 5052	AMS 4015, AMS 4069, AMS 4070, AMS 4071, AMS-QQ-A-250/8, AMS 4016, AMS 4017
AL 6061	AMS 4021, AMS 4025, AMS 4026, AMS 4027, AMS 4079, AMS 4080, AMS 4081, AMS 4082, AMS 4083, AMS 4113, AMS 4117, AMS 4115, AMS 4150, AMS 4160, AMS 4161, BS L117, BS L118, MIL-T-7081, WW-T-700/6, AMS-QQ-A-200/8, AMS-QQ-A-200/16
AL 6063	AMS 4156, AMS-QQ-A-200/9
AL 6082	BS L111, BS L112, BS L114, BS L115, BS H30, EN AW 6082
AL 7050	AMS 4340, AMS 4341, AMS 4342, MS 4050, AMS 4201, AMS 4107, AMS 4108, AMS 4333, AMS-QQ-A-430
AL 7050	AMS 4044, AMS 4045, AMS 4046, AMS 4048, AMS 4049, AMS 4078, AMS 4122, AMS 4123, AMS 4124, AMS 4154, AMS 4166, AMS 4167, AMS 4168, AMS 4169, AMS-QQ-A-200/11, AMS-QQ-A-200/5, AMS-QQ-A-225/9, AMS-QQ-A-250/12, AMS-QQ-A-250/13, AMS-QQ-A-250/18, AMS-QQ-A-250/24, AMS-QQ-A-250/25, AMS-QQ-A-250/26, BS L88, BS L95, BS L160, BS L161, BS L162, BS L170
AL 7075	AMS 4044, AMS 4045, AMS 4046, AMS 4048, AMS 4049, AMS 4078, AMS 4122, AMS 4123, AMS 4124, AMS 4154, AMS 4166, AMS 4167, AMS 4168, AMS 4169, AMS-QQ-A-200/11, AMS-QQ-A-200/5, AMS-QQ-A-225/9, AMS-QQ-A-250/12, AMS-QQ-A-250/13, AMS-QQ-A-250/18, AMS-QQ-A-250/24, AMS-QQ-A-250/25, AMS-QQ-A-250/26, BS L88, BS L95, BS L160, BS L161, BS L162, BS L170

TITANIUM ALLOYS	
GRADE	SPECIFICATION (Sheet, Plate, Rod, Bar, Forging, Coil, Tubing & Extrusion)
Ti-6AL-4V, Ti-6AL-4V ELI	AMS 4911, AMS 4907, AMS 4928, AMS 4930, AMS 4965, AMS 4967, MIL-T-81556, ASTM F67
Ti-6AL-2Sn-4Zr-2Mo	AMS 4919, AMS 4975, MIL-T-9047, MIL-T-9046
Ti-6AL-6V-2Sn	AMS 4918, AMS 4978, AMS 4937, MIL-T-81556, MIL-T-9046, MIL-T-9047
Ti-CP Grades (1, 2, 3 & 4)	AMS 4900, AMS 4901, AMS 4902, AMS 4921, AMS 4941, AMS 4942, MIL-T-9047, ASTM B348
HIGH TEMPERATURE, NICKEL & COBALT ALLOYS	
GRADE	SPECIFICATION (Sheet, Plate, Rod, Bar, Forgings, Coil, & Tubing)
A286	AMS 5525, AMS 5731, AMS 5732, AMS 5734, AMS 5737
Hastelloy C	C4, C22, C276, AMS 5750, AMS 5530, ASTM B575
Hastelloy X	AMS 5536, B50TF24 & 25, PWA 1038, AMS 5754, B50TF31, AMS 5587, AMS 5588, AMS 5754, AMS 5798
Hastelloy N	AMS 5607, AMS 5771
Hastelloy W	AMS 5755, AMS 5786
HAYNES 25	AMS 5537, AMS 5759, AMS 5796
HAYNES 188	AMS 5608, PWA 1042, B50TF74, PWA 1088, AMS 5772, AMS 5801, AMS 5772
Inconel 718	AMS 5596, AMS 5597, B50TF14, AMS 5662, AMS 5663, AMS 5664, B50TF15, AMS5589, AMS 5590 PWA 1065, PWA 1010, PWA 1009, AMS 5832
Inconel 600	AMS 5540, AMS 5665, AMS 5580, PWA1060, PWA1070
Inconel 601	AMS 5715, AMS 5870, ASTM B166, ASTM B167, ASTM B168
Inconel 617	AMS 5887, AMS 5888, AMS 5889, PWA1165, B50TF181, ASTM B166
Inconel 625	AMS 5666, AMS 5837, AMS 5599, AMS 5581, PWA1069, PWA 1072, B50TF133, BS 3076
Rene 41	AMS 5545, B50TF76, B50TF109, AMS5712, 5713, B50TF75, AMS 5800
Incoloy 800	AMS 5766, ASTM B163, ASTM B407, ASTM B514, AMS 5871
Waspaloy	AMS 5586, AMS 5704, AMS 5706, AMS 5707, AMS 5708, AMS 5709, AMS 5544
Invar 36, 36FM	MIL-I-23011
Ni & Cu Alloys	Monel K 400, Monel K 500, Monel R 405
MP35N	AMS 5758, AMS 5844, AMS 5945
MP159	AMS 5841, AMS 5842, AMS 5843
Stellite 6B	AMS 5894
Nomonic 276	AMS 5872, AMS 5886
MARAGING C250	AMS 6501, AMS 6512, AMS 6520, MIL-S-46850
MARAGING C300	AMS 6514, MIL-S-46850
MARAGING C350	PWA 1091
COPPER ALLOYS	
GRADE	SPECIFICATION (Sheet, Plate, Bar, Rod & Tube)
C10100 OFE	ASTM B187, ASTM F68, QQ-C-502, QQ-C-576, ASTM B75, ASTM B447
C10200 OFC	ASTM B187, QQ-C-502, AMS 4602, QQ-C-576, AMS 4501, ASTM B75, ASTM B447
C11000 ETP	ASTM B187, QQ-C-502, QQ-C-576, AMS 4500
C14500	ASTM B301
C17200	AMS 4650, AMS 4651, AMS 4533, AMS 4534, ASTM B196, ASTM B570, QQ-C-530, AMS 4530, AMS 4532 AMS 4535
C17300	ASTM B196, QQ-C-530
C36000	ASTM B16, QQ-B-626, AMS 4610, ASTM B16, QQ-B-626, AMS 4610
C46400	AMS 4611, AMS 4612, ASTM B21, ASTM B124, QQ-B-637, ASTM B171, QQ-B-639, SB171
C63000	AMS 4640, QQ-C-465, ASTM B150, AMS 4590
CARBON STEELS	
GRADE	SPECIFICATION(Sheet, Plate, Bar, Rod, Pipe & Tube)
1010	AMS 5040, AMS 5042, AMS 5047, AMS 5050, AMS 5053
1018	AMS 5069
1020	AMS 5032, AMS 5045, AMS 5046
1022	AMS 5070
1095	AMS 5121, AMS 5122, AMS 5132, MIL-S-7947

Here are Just a Few of Our Clients



Completed Projects

Power Generation 发电厂	
Project 项目	Country 国家
Mres El Hadjadi Thermal Power Plant	Algeria
HIDD Power Plant	Bahrain
IWSP – MHI	Bahrain
2x660 MW Maitree Stpp	Bangladesh
Bangladesh, Matarbari 2 x 600MW CFPP Project	Bangladesh
BPMP Orogen ORC Power	Brunei
Chile Mejillones Power Plant. 智利Mejillones电厂项目	Chile
Datan Power Plant	China
IHI Asia Pacific (S) Power Plant Project (Talin)	China
Yudean Ningzhou Project	China
600MW Super Critical Boiler. 60万吨超临界发电机	China
CSPC Nanhai Power Plant	China
Datang Coal Power Projects 大唐榆林煤电项目	China
FW Thai Binh Thermal Power Plant Porject	China
Guodian Chifeng Project. 国电赤峰项目	China
Hua Neng Coal Power project. 华能煤电项目	China
Huaneng ICCG Tianjin Project. 华能煤电天津IGCC项目	China
Siemens Power Plant Project 西门子电厂项目	China
Raf Al Power & Water Plants	Dubai
Assyut Power Plant	Egypt
Bhilai 250 MW Thermal Power Plant	India
Bhusawal 2 x660 and Udangudi power plant 2 x 660 MW	India
Dadri 500 MW	India
DOOSAN – Dampers for Ceiling	India
Feroze Gandhi Unchahar Thermal Power Station	India
Feroze Gandhi Unchahar Thermal Power Station (Capacity 1 x 500MW)	India
Gadarwara Ultra Super Critical Thermal Power Plant	India
IB Valley	India
Kahalgaron 500 MW Thermal Power Plant	India
Korba NTPC 500 MW Power Plant	India
Kothagudam 500 MW Thermal Power Plant	India
Maithon 525 MW Power Plant	India
Meija 2 x 500 MW Thermal Power Plant	India
North Madras 2 x 600 MW	India
North Karanpura	India
NTPC (Through Mitubishi)	India
NTPC BHEL Darlipalli	India
NTPC BHEL Gadawara	India
NTPC BHEL Karanpura	India
NTPC BHEL Nabinagar	India
NTPC Farakka 500 MW Thermal Power Plant	India
NTPC Simhadri 500 MW	India
NTPC Tanda	India
OPGCL (Odisha Power Generation Corpn. Ltd)	India
Paricha 500 MW Power Plant	India
Parli MSEB 250 MW Thermal Power Plant	India
Pragati GTC TG 500 MW	India
Raichur 500 MW Thermal Power Plant	India
Royalaseema 2x250 MW Thermal Power Plant	India
Sagardighi	India
Sipat NTPC 500 MW Thermal Power Plant	India
Sitapuram Thermal Power Plant	India
Suratgarh – IV Thermal Power Plant	India
Talcher 500 MW	India
Udangudi	India
Ukai VI– 6 x 210 MW	India
Upper 2 x 800MW Thermal Power Plant	India

Power Generation 发电厂	
Project 项目	Country 国家
Valve Project	India
Vemagiri 388.5 MW CPP	India
Vindhyachal 500 MW	India
Yeamarus 800 MW	India
Fuji Denki (Japan)Geothermal Power Plant (Kamojang–5)	Indonesia
Heat Recovery Steam Generator	Indonesia
Kembangan Project	Indonesia
Paiton Power Plant 2x6 10MW Unit 5 and 6	Indonesia
Pertamina/PLN – Patuha Geothermal Project	Indonesia
PT. Boma Bisma Indra (PT.BBI) STHE – Donggi	Indonesia
PT. Siemens Indonesia – Jangmun Project – Korea (Power Plant)	Indonesia
PT. Siemens Indonesia – Jazan Project – Saudi Arabia. (Power Plant)	Indonesia
Tambak Lorok Pjt	Indonesia
Turbine	Indonesia
Pertamina Geothermal – Kamojang Project	Indonesia
Tarahan Coal Fired Power Plant 2x100MW Unit 3 and 4	Indonesia
SNEI Um Wu ³ al (Ma ³ aden) Power Plant Project	Japan
Dangjin Biomass 2 Power Plant Project	Korea
PT. Siemens Indonesia Jangmun Project – Power Plant	Korea
Kaper Power Station Phase 3, 2x500MW	Malaysia
Eemshaven Block A and B Power Plant Replacement	Netherland
SALALAH II IPP 阿曼塞拉莱二期	Oman
Pakistan Haveli 1230mw Gas Combined Cycle Power Plant Project	Pakistan
Hub River Power Plant 4x323MW	Pakistan
Panama Power Plant	Panama
ATN Solar Farm Project – Rizal	Philippines
Magat Dam Soil Protection	Philippines
Pagbilao Power Plant	Philippines
Jazan IGCC Power Block Project 吉赞联合循环电站项目	Saudi Arabia
Jigcc Power Block Project (Package 4)	Saudi Arabia
Mohammedia Power Plant Project	Saudi Arabia
PT. Siemens Indonesia Jazan Project – Power Plant	Saudi Arabia
Shoaiba Project	Saudi Arabia
Tuas Power Plant, Phase 1 and 2. 大士发电厂一期二期工程	Singapore
Alstom Power Project	Singapore
CIWE (China Int ¹ l Waters) Marubeni/Tuas Power Utility	Singapore
Pulau Seraya Power Plant Phase 1 and 2	Singapore
Samsung GMR Project	Singapore
Seraya Cogen Power Plant, Tie-in & HRSG Modification	Singapore
Amata Nokorn 4 & 5 CC Power Pant	Thailand
B.Grimm Power (Laem Chabang) ABP1R Combined Cycle Cogeneration Plant	Thailand
Bowin Clean CCCP	Thailand
RCOX Power Plant Project	Thailand
SPR 120MW SPP Project	Thailand
SPR Thailand Project	Thailand
Toshiba Power Plant (Amata)	Thailand
Samsung Belleli Externan Yanbu 3	UAE
Geosea Moray Firth	United Kingdom
SSE Offshore Wind Farm	United Kingdom
Buck and Dan River Coal Fire Power Station.	USA
Intan and PeeDee Power Plant	USA
Latan and PeeDee Power Plant – Alstom Power	USA
Nam Ngum 3 Hydropower (NN3) Project	Vietnam
Nghi Son 1 Thermal Power Plant 600MW	Vietnam
Taichung Project	Vietnam
Tongyeong Project	Vietnam
Vietnam,Thai Binh 1 Thermal Power Plant Project	Vietnam

Completed Projects

Oil & Gas 石油天然气	
Project 项目	Country 国家
In Amenas PJ/BP-Sonatrach	Algeria
Angel Topside North West Shelf – Woodside – BHP – BP	Australia
CNPC Karamay Petrochemical Company Power Station Ammonia Flue Gas Desulphurization Rehabilitation and Expansion 中石油克拉玛依石化公司电厂脱硫脱硝改造及扩建项目	China
Yanan Coal Oil and Gas Comprehensive Utilization of Resources Prj 延安煤油气资源综合利用项目	China
Big Beauty Coal Project in Qinghai. 青海大美煤炭深加工项目	China
Coal Gas Project in Xinjiang Yili. 新疆伊犁煤制天然气项目	China
Coal Gasification Projects at Liuzhou and Yueyang 煤气化项目	China
Daqing Oilfield Project. 大庆油田项目	China
Guizhou Tianfu BPE Gasification Furnace. 贵州天福BPE气化炉	China
Henan Yima Coal Gasification. 河南义马煤气化	China
Huizhou CNOOC Project. 惠州CNOOC 项目	China
Neimenggu Datang Duolun MTP Project. 内蒙古大唐多伦项目	China
Shaanxi Shenmu Project. 陕西神木项目	China
Shandong DongYing Lihuayi Project. 山东东营利华益项目	China
Shandong Tengzhou Phoenix Coal Chemical Project. 山东滕州凤凰煤化工项目	China
Shanxi Fengxi Huarui Project. 山西丰喜煤化工项目	China
Shanxi Xinghua Coal Chemical Project. 陕西兴化煤化工项目	China
Shanxi Yanchang Group Yanan Coal, Oil and Gas projects. 陕西延长石油集团延安能源化工有限公司项目	China
Shenhua Baotou Coal-based Olefins Project. 神华包头煤制烯烃	China
Shenhua Coal Chemical Project. 神华煤化工项目	China
Shenhua Ningmei Coal Gasification. 神华宁煤煤化工项目	China
Shenhua Ningxia Coal Group Co., Ltd Project (Phase 2). 神华宁夏煤业集团有限责任公司项目（二期）	China
Sinopec Urumqi Project. 中石化乌鲁木齐项目	China
Xinjiang Shenhua New Synthesis Device. 神华新疆煤基新材料项目空分装置	China
Yangchang Coal Chemical. 延长煤化工项目	China
Yanzhou Coal Chemical Project. 兖州煤化工项目	China
Yongcheng Coal Gasification. 永城煤气化	China
Crescent Petroleum– Iraq	Dubai
Dunga Gas Field – Kazakhstan	Dubai
LPG Recovery Plant	Dubai
Booster Compressor Project	India
BPCL	India
D1 WWIPP – ONGC Sagar Laxmi Platform	India
EIL Dangote	India
EIL Dangote	India
GAIL – KG Basin Rajahmundry	India
HMEL Bathinda	India
HPCL	India
IOCL Haldia	India
IOCL Paradeep Refinery	India
JGC Dolphin Project	India
KG–DWN 98/3 Oil Field Development	India
MHN Process Gas Compressor	India
ONGC – PPM Project	India
ONGC B193 Process Platform for Heera–Panna–Bassein Block	India
ONGC Deen Dayal Field Development	India
ONGC ICP–R Project	India
ONGC MNW Process Platform	India
Panna Field Capacity Enhancement	India
Penna/Mukta Offshore Field	India
Reliance Block KG D6	India
Revva Onshore Terminal	India

Oil & Gas 石油天然气	
Project 项目	Country 国家
BP Migas – Total Tunu Field Development	Indonesia
Exxon Mobil – Acid Gas Preheater	Indonesia
Medco Energy – Gunung Megang Booster Station	Indonesia
Pearl Oil – Ruby Field Development Project	Indonesia
Pertamina – Balongan Revamping Project	Indonesia
Pertamina – Cilacap Crude Oil Tank Project	Indonesia
Pertamina ONWJ	Indonesia
Pertamina Subang	Indonesia
Premier Oil – Gajah Baru Project	Indonesia
Premier Oil – Naga & Pelikan Project	Indonesia
PT. Indoturbine Pertamina EP – Subang	Indonesia
PT. Intan Prima Kalorindo – Pertamina WMO Project	Indonesia
Shell – Construction of New Terminal at Pulau Laut, South Kalimantan	Indonesia
Tunu Field Phase 10 development. BP Migas – Total E&P	Indonesia
Iran, Oil gas project – EPC – Cemetak	Iran
Crescent Petroleum	Iraq
West Quran – Exxon Mobile	Iraq
BPZ Exploration & Production S.R.L	Italy
Cryogenic Structure	Japan
ATB Phase 2 Expansion	Malaysia
Chilli Padi Field Development, Sarawak Shell Bhd	Malaysia
E11 P–B Topside, SSB/SSPL	Malaysia
EMEPMI Angsi, Bardegg Dulang, Guntong, Lawit, Jerneh, Larut, Seligi etc Field Development	Malaysia
Malaysia Kencana Project. 马来西亚Kencana项目	Malaysia
Mercury Recovery Project, Petronas Caligali SB	Malaysia
Murphy Sabah Oil Kikeh Development	Malaysia
Oil Rig Project by Sapura Kencana Petroleum Berhad	Malaysia
PCSB Dulang, Duyong, Tangga Barat, Kinabalu, Kumang Field Development	Malaysia
Bunga Orchid A CPP Platform / Talisman	Malaysia
Cili – Padi Fuel Gas Skit	Malaysia
CPOC JDA B–17 Phase 1 Central Production Facilities	Malaysia
F23 Topside – Sarawak Shell Bhd	Malaysia
Guntong – E Topside, EPML	Malaysia
JDA–17 CPOC MDA and JKA Wellhead Platform	Malaysia
Power Gas Skit, Kumang Cluster Dev project	Malaysia
SSB/SSPL E11, M1, M3, F23, Jintan, Cilipadi, Gumusut Field Development	Malaysia
Sub–Sea Equipment for Cameron (BHP) Pyreness Project	Malaysia
Talisman Energy Bunga Orkid Field Development	Malaysia
Proposed Petroleum Tank Storage & Handling Facility For Psw Terminal	Myanmar
Yadana and Yetagun Phase 3 and 4 Development	Myanmar
Yetagun Phase 4 Development	Myanmar
ANOH Gas Processing Company Limited	Nigeria
Global Process Systems Pte Ltd –	Nigeria
Okoro Further Field Development MOPU Conversion	Nigeria
Amenam II AMP 2 Topside. Total Final ELF	Nigeria
Usan Deepwater Development, Total–ELF–Cameron	Nigeria
BP (British Petroleum)	Oman
CO2 WAG Project Qatar Petroleum	Oman
Fos Energy Llc	Oman
Oman Gas	Oman
PDO –Qarn Alam Steam Rectification (Phase 2)	Oman
Adhi LPG/NGL Recovery Plant III	Pakistan
Petron Bataan Refinery	Philippines
Maersk Oil Qatar BE & BG Platform	Qatar

Oil & Gas 石油天然气	
Project 项目	Country 国家
ARAMCO Project, Marine application	Saudi Arabia
SABIC	Saudi Arabia
B368 Keppel Fels	Singapore
Chiyoda (S) Oil & Gas Storages (Stockheven)	Singapore
M1226 Keppel Fels	Singapore
SB2 (Oil Tanking)	Singapore
Slup Pipeline PH 2 Project	Singapore
Exxon Mobil Project	Thailand
PTTEP Arthit Field Development	Thailand
Thailand Oil Clean Fuel Project	Thailand
PTTEP Bongkok Field Development Phase 2 to 4	Thailand
CPOC JDA A-18, B-17 Development, MLQ, MFP	Thailand
PCSB Turkmenistan Block 1 Development	Turkmenistan
Turkmenistan Block 1 – OGP Platform	Turkmenistan
Turkmenistan MDR – A Platform, Petronas Carigali – Technip	Turkmenistan
Turkmenistan OGP Platform, Petronas Carigali – Technip	Turkmenistan
Aramco Belleli Exterrrean Al-Muajjiz	UAE
Fujairah Oil Terminal (FOT)	UAE
Oil Rig Re-Activator	UAE
BP, Khazzan	UK
ADMA-OPCO Project	UAE
ADNOC GASCO	UAE
Adnoc-Igd Expansion Phase II (Igd2) Project	UAE
DOF (Digital Oil Field Applications) – ADNOC	UAE
DUSUP– Margham Gas Plant and Field	UAE
Fab and Supply 2nd Slug Catcher	UAE
Molsleve Vessel Fabrication	UAE
Project for GS Engineering	UAE
ZADCO – Project	UAE
Zora Gas Field Project	UAE
Long Lake Upgrading Project	USA
Chua VE II & Cat Lai Port	Vietnam

Line Pipe 输油管道	
Project 项目	Country 国家
Air Liquide Changshu Liwen Hydrogen Pipe Project 液化空气常熟理文项目氢气埋地管道项目	China
Calaca project 卡拉卡项目	China
Shaanxi Yanchang Coal Yulin Energy & Chemical Co., Ltd. Methanol Plant Increase Production Capacity Expansion EPC General Contracting Project 中煤陕西榆林能源化工有限公司甲醇装置增产扩能改造EPC总承包项目	China
West-East Gas Pipeline Phase I. 西气东输天然气管线一期项目	China
GAIL – Vizag – Secunderabad Pipeline Project	India
HPCL – Bombay & Vizag Pipeline Project	India
Tripoli – Melita Gas Pipe line	India
Cilacap Expansion 1 ×1000MW CFSP Project , Indonesia 印尼芝拉扎燃煤电站三期1x1000MW机组扩建项目	Indonesia
CW PIPING CENTRAL JAVA	Indonesia
Lawe – Lawe Onshore Modification – Chevron Indonesia	Indonesia
Fertilizer Project 伊朗马苏化肥项目	Iran
Elkhoms – Tripoli – Melita Gas Pipe Line	Libya
Apical Oil Storage Terminal at port Qasim	Pakistan
Melut Basin Development project.– Petrodar JV	Sudan
Songo Songo Gas Pipeline Project	Tanzania

Petrochemical 石化	
Project 项目	Country 国家
1.6 Millions Tons/Year Hydrogen Cracking Make-Up 160万吨/年加氢裂化装置	China
Abel Chemical Co., Ltd., Jiangsu Styrene Project. 阿贝尔化学江苏有限公司项目	China
Akzo Huajing Chemical Project. 阿克苏华锦大型节能改造项目	China
Akzo Huajing Fertilizer Co., Ltd. Synthetic Ammonia&Urea Energy-saving Project. 阿克苏华锦化肥 合成氨尿素装置增产节能改造项目	China
An Hui Liu Guo Chemical Project. 安徽六国化工项目	China
BASF Caojin THF Project BASF漕泾THF项目	China
China Petrochemical Petrochemical Co., Ltd. Ethylbenzene Project 中国石化石油化工有限公司乙苯项目	China
CNOOC Huizhou Project 中海油惠州项目	China
CNPC Jilin Chemical 中石油吉化	China
CNPC Jinxi. 中石油锦西石化	China
Cornell Coal 300000 Tons/Year Ethylene Glycol In Inner Mongolia Project 内蒙古康乃尔30万吨/年煤制乙二醇项目	China
Hengli Petro Dalian PTA 恒力石化（大连）PTA	China
Hengli Petrochemical Oil Refining Project – High Pressure Pipeline Additions 恒力石化炼油项目-高压管道增补	China
Jiangyin hanbang 2200000 tons/year PTA 汉邦（江阴）年产220万吨精对苯二甲酸（PTA）二期技改扩能项目	China
Liaohu Petrochemical Lubricant Hydrogenation Plant Project 辽河石化润滑油加氢装置项目	China
Ningbo Zhongjin Petrochemical Aromatics Coking Gas Project 宁波中金石化芳烃项目焦化气装置	China
Petrochina Dushanzi Petrochemical Company Reheating Furnace P9 Tube And U Shaped Bend Pipe 中国石油天然气股份有限公司独山子石化分公司 加工轻烃炼油及乙烯优化调整项目 200万吨/年连续重整装置重整加热炉P9炉管及U形弯管	China
Proyek Terminal Penerimaan Dan Regasifikasi Lng Bali 印尼巴厘岛LNG接收站项目	China
Qianxi Coal Chemical 300 KTA Coal-to-MEG Project 黔西煤炭化学KTA Coal-to-MEG项目	China
Sabic PCQ-2 Project	China
Shandong Jincheng Chemical Heavy Aromatics Hydrogenation Refining. 山东金诚化工80万吨/年重芳烃加氢精制装置	China
Shenhua Ningxia Coal 4,000,000 tons in indirect coal liquefaction project 神华宁煤集团400万吨年煤炭间接液化项目空分及配套装置	China
Shenhua Xinjiang 680kta Coal-Based New Materials Project Air Separation Unit 神华新疆68万吨/年煤基新材料项目空分单元	China
Sinar Mas Group OKI 270 TPD NaOH Plant Project 金光集团项目	China
Wu’ al Phosphate Project, beneficiation plant, crusher and overland conveyor 沙特曼阿磷矿项目	China
Yanzhou Coal Mining Yulin Energy & Chemical Co.,LTD 500Kt/a BMMn Project 兖矿煤业榆林能化年产50万吨聚氧基二甲醚项目	China
Zhejiang Petrochemical Diesel Hydrogenation High Pressure Pro Hydrogen Project 浙江石化工柴油加氢高压临氢项目	China
Zhejiang Petrochemical Diesel Hydrogenation High Pressure Pro Hydrogen Project 浙江石化工柴油加氢高压临氢项目	China
Zhejiang Petrochemical Diesel Hydrogenation High Pressure Pro Hydrogen Project 浙江石化工柴油加氢高压临氢项目	China
Zhonghua Quanzhou and Zhongyuan Petrochemical Quencher Project 中化泉州和中原石化急冷器项目	China
Zhongtian Hechuang Erdos Coal Deep Processing Model Project 中天合创鄂尔多斯煤炭深加工示范项目	China
China Coal Yu Lin Project. 中煤榆林合成装置项目	China
CNPC Daqing 100,000 tpy PE Project 中石油大庆年产10万吨PE项目	China
CNPC Fushun Petrochemical Project. 中石油抚顺石化项目	China
CNPC Urumqi Talimu Project. 中石油乌鲁木齐塔里木项目	China

Completed Projects

Petrochemical 石化	
Project 项目	Country 国家
Coal Base DME, Methanol, Synthetic Ammonia Project in Baotou, Gansu, Henan, Shandong, Yunan ect. 包头, 甘肃, 河南, 山东, 云南等煤制二甲醇, 甲醇, 合成氨项目	China
Coal Base Olefin Project, Datang, Shenhua etc. 大唐神华等煤制烯烃项目	China
CSPC Nanhai I&P Tank Farm.	China
CSPC Nanhai Petrochemical Complex 中海壳牌南海石化项目	China
Dahua Gasification Furnace. 大化气化炉	China
Dalian Chemical Group Synthetic Ammonia Project 大连化学公司合成氨项目	China
Flexible Packaging Group of Fujian PDH Project. 福建软包装集团PDH项目码头低温港区	China
Gansu Huating Coal Chemical Methanol. 甘肃华亭煤化工项目	China
Gansu Huating Carbinol Project. 甘肃华亭甲醇项目	China
Guizhou LiuPanShui Carbinol Project. 贵州六盘水甲醇	China
Guizhou Tianfu Chemical Co., Ltd. 贵州天福项目	China
Guizhou Tongzi Carbinol Project. 贵州桐梓甲醇项目	China
Hainan Yisheng PTA Project. 海南逸盛PTA项目	China
Hengli Chemical PTA Project 恒力石化PTA项目	China
Hu Lun Bei Er Jin Xin Project. 呼伦贝尔金新化工项目	China
Huaihua Synthetic Ammonia Project 淮化合成氨项目	China
Hualu Heng Sheng N-Fertilizer Reforming Project. 华鲁恒升氮肥改造项目	China
Hui Sheng Nanjing Carbinol Project. 惠生南京甲醇项目	China
Inner Mongolia Shenhua Cabinal. 内蒙古神华甲醇项目	China
Jiangsu Sopo Methanol Project 江苏苏普甲醇项目	China
Jiangyin Hanbang 2200000 Tons/Year PTA. 汉邦（江阴）年产220万吨精对苯二甲酸（PTA）二期技改扩能项目	China
Jinzhou Petero Chemical Project. 锦州石化装置	China
Liaoyang Chemical Complex 辽阳化纤	China
Maoming Liquid Project. 茂名液空空分项目	China
Maoming Petrochemical Project 茂石化项目	China
Methanol Supplemented Project 甲醇增补项目	China
Methyl Alcohol Synthetic Reactor 甲醇合成塔项目	China
Nanjing VAM Project. 南京VAM项目	China
Nanjing Yuandong Yizheng PTA. 南京远东PTA	China
Nantong 200,000 t/a Acetic Acid	China
Neimeng Tian Run Chemical Project. 内蒙天润化工	China
Neimeng Yi Dong Carbinol Project. 内蒙伊东甲醇项目	China
Ningbo Cinnamene	China
Ningbo Foundation Co., Ltd., Propane Gas Project. 宁波福基石化项目	China
Ningbo Heyuan Chemical Co Project. 宁波禾元化学有限公司项目	China
Ningbo Wanhua Polyurethanes Project 宁波万华聚氨酯改造	China
Ningbo Wanhua PX Project. 宁波万华PX项目	China
Ningbo Zhongjin Aromatics Project. 宁波中金芳烃项目	China
Ordos Guotai Chemical Co.,project. 鄂尔多斯国泰化工有限公司甲醇项目	China
PVC VCM	China
Qilu Chemical Complex PP. 齐鲁石化项目	China
Qing Hai Yun Tian Hua Project Part II. 青海云天化二期项目	China
Qinghai Salt Lake Industry Project. 青海盐湖工业股份有限公司项目	China
QingHai Zhong Hao Carbinol Project. 青海中浩甲醇项目	China
Shaanxi Yulin Methanol Project. 陕西榆林甲醇项目	China
Shan Xi Xing Mao Project. 陕西兴茂化工项目	China
Shan Xi Yu Lin Fu Gu Carbinol Project. 山西榆林福谷甲醇项目	
Shan Xi Yu Tian Hua Carbinol Project. 山西榆天化甲醇项目	
Shandong Hualu Hengsheng Project. 山东华鲁恒升项目	China
Shandong Yankuang Acetic Acid	China

Petrochemical 石化	
Project 项目	Country 国家
Shanghai Coking Carbinol Project. 上海焦炭甲醇项目	China
Shanghai Petrochemical 600,000 tpy Hydrocarbons Project 上海石化年产60万吨芳烃项目	China
Shanxi Xianyang Ammonia. 陕西咸阳甲醇项目	China
Shenhua Baotou Methanol Washing Tower. 神华包头甲醇洗涤塔	China
Shenhua Xinjiang 680kta Coal-Based New Materials Project Air Separation Unit. 神华新疆68万吨/年煤基新材料项目空分单元	China
Shi Jia Zhuang Jin Shi Chemical Project. 石家庄金石化工项目	China
Shishi Jialong Hydrogenation Project. 石狮佳龙加氢反应器	China
Sichuan Lutianhua Ammonia Project 四川泸天化项目	China
Sinopec Qilu, Fujian, Zhenhai Petrochemical Project 中石化齐鲁, 福建, 镇海石化项目	China
Sinopec Yangzi 400,000 tpy Acetic Project 中石化扬子年产40万吨醋酸项目	China
Sinopec Yangzi Petrochemical Project 中石化扬子石化项目	China
Sinpu chemical VCM	China
Sirbang Petrochemical Project. 斯邦邦石化项目	China
Styrene Project 苯乙烯项目	China
Sudan Hydrogen Reactor 苏丹加氢反应器	China
TDI Project. TDI项目	China
Tianjin Soda Amonia Project 天津碱厂合成氨项目	China
Tianjin Soda Plant SCGP Coal Gasification. 天津碱厂壳牌煤气化项目	China
Urea Synthetic Tower. 尿素合成塔	China
Wanhua PX, MDI Projects 万华PX, MDI项目	China
Wison Synthetical Gas 2nd – Stage Project 惠生二期合成气项目	China
Wu' al Phosphate Project, beneficiation plant, crusher and overland conveyor	China
Xi Bei Energy Carbinol Project. 西北能源化工煤制甲醇项目	China
Xinjiang Dushanzi Project. 新疆独山子项目	China
Yankuang Cathay 300,000 tpy Acetic Project 兖矿国泰年产30万吨醋酸项目	China
Yisheng Dalian PTA Project 逸盛大化PTA项目	China
Yixing Chemical Cabinal. 宜兴化学甲醇项目	China
Yun Tian Hua Carbinol Project. 云天化甲醇项目	China
Yunnan Zhanhua Synthetic Ammonia	China
Zhangjiagang Yangzi River-1,200,000 tonne/year Propane Dehydrogenation to Propylene 张家港扬子江石化有限公司（筹）120万吨/年丙烷脱氢制丙烯项目	China
Zhejiang Satellite Petrochemical Co Ltd Pinghu Project. 浙江卫星石化股份有限公司平湖项目	China
Zhenhai Ethylene Project. 镇海乙烯项目	China
Zhongmei Yulin Chemical Project. 中煤榆林甲醇装置	China
Zibo Huifeng Petroleum project. 淄博惠丰石油公司项目	China
Rgypt Ncic Phosphatic & Compound Fertilizers Complex Project	Egypt
Rgypt Ncic Phosphatic & Compound Fertilizers Complex Project 埃及公用工程项目	Egypt
BPCL – CRU Revamp	India
BPCL – HCU Modernization	India
HPCL – 2nd HDS Reactor	India
IOCL – Barauni	India
IOCL – MSQ Upgradation	India
IOCL – Panipat DHDT Project	India
IOCL – Panipat PTA Project	India
Reliance Cryogenic Tankage	India
Saudi Formaldehyde Chemical	India
TISCO – Phase II Modernization	India
Toyo Heurtey Brazil	India
UHDE – Krupp Reactors	India
Urea Plant Grandpuits, France	India
Cakra Donya	Indonesia
Chevron Geothermal – Darajat Project	Indonesia
Chevron Geothermal – Salak Project	Indonesia
Indonesia Company PKG to Undertake Synthetic Ammonia Urea Engineering Project	Indonesia
Naphtha Tank	Indonesia
NPK Proj.	Indonesia

Petrochemical 石化	
Project 项目	Country 国家
Orica KNI Ammonium Nitrate Prill Plant	Indonesia
PT. IKPT Naphtha Storage Tank FB-1801E	Indonesia
FPG Olechemicals	Malaysia
HRSG by KNM – BORSIG	Malaysia
BR-E CO2 Removal, Talisman Malaysia	Malaysia
SSB B11 Fuel Gas Skid	Malaysia
UCC Optimal Checmial Plant	Malaysia
Aboveground Storage Tank	Philippines
JG Summit Olefins Corporation	Philippines
Tanganito Thickener Plant	Philippines
Urgent Re-Tubing of Heat Exchanger, Shell Malampaya.	Philippines
Mitsubishi Heavy Ind. Chemical Plant (QAFAC CDR Project)	Qatar
Ibn Al-Baytar's Ammonia Plant Reliability Improvement Project	Saudi Arabia
KNPC, Technip	Saudi Arabia
Petro – Rabigh MEG Plant – Mitsui Engineering & Shipbuilding	Saudi Arabia
Rapid Package 3 Tecnicas Reunidas Via Zamil	Saudi Arabia
SABIC PCQ – 2 Project	Saudi Arabia
Saudi Arabia SABIC Project. 沙特SABIC项目灌区	Saudi Arabia
Saudi Elastomers Project	Saudi Arabia
Saudi Kayan Petrochemical Plant	Saudi Arabia
Saudi Petroleum Chemical Corporation (Sadaf) Environmental Protection Project (EOP) 沙特石油化工公司 (Sadaf) 环保改造项目 (EOP)	Saudi Arabia
UM Wu' al Phosphate Project	Saudi Arabia
Saudi Kayan Project	Saudi Damman
EPC for Fuel Oil Upgrading (OTS)	Singapore
Lube Oil Blending Plant (LOBP)	Singapore
Lube Park Shared Facility (LPSF)	Singapore
PCS Complex II, SMAG, TPC, CSPL	Singapore
Shell Eastern Ethylene Cracker Complex	Singapore
Shell Eastern MEG Project	Singapore
SMAG-2	Singapore
Exxon Mobil Chemical Revamp	Singapore
Exxon Mobil GHU Phase 4 (LSMG) Project	Singapore
MEG Plant Shell Houdini – Foster Wheeler	Singapore
SPT Olefin Recovery Project	Singapore
NNEG Cogeneration Power Plant	Thailand
Rayong Refinery PLC, Aromatic and Reformer Upgrade	Thailand
Thai Carpolactum Chemical Plant	Thailand
Thasco Chemical RCA-3 Project	Thailand
TOC_EO/EG_Columns 4 Units	Thailand
Lautic Acid Tanks Purac Quinten Ltd.	Thailand
Bunduq Gas Re-Injection	UAE
Rapid Package 3 Tecnicas Reunidas Via Belleli	UAE
Nebraska Sugres Exhaust Stack	USA

Industrial Plant 工业厂房	
Project 项目	Country 国家
Green Anode Paste Project	Bahrain
BCIC Di-Ammonium Phosphate (DAP) Plant	Bangladesh
MHPS – NTPC Mouda & Rihand FGD Projects	Bangladesh
CITIC Heavy Industries Co., Ltd. Kazakhstan Cement Plant Rotary Kiln Project	China
中信重工哈萨克斯坦水泥厂回转窑项目	China
Vanila Project	China
Vanila Project	China
Shandong Dezhou Fertilizer Project. 山东德州化肥项目	China
Titanium Dioxide Chloride Project. 氯化钛白粉项目	China
Vietnam Fertilizer Project. 越南化肥项目	China
Zhongying Fertilizer Henan Project. 中盈化肥河南项目	China
Automobile Chasis Manufacturing	India
Burrup Fertilizers	India
Lotus Chemical	India
Andalan Pulp & Paper Mill	Indonesia
FL3B project	Indonesia
Ngadi Redjo Sugar Mill	Indonesia
Tank Manufacturing	Indonesia
AHP MFB#1 PROJECT	Malaysia
Malaysia Poly-Plastic MP-1	Malaysia
Fabrication Consumption Project	Philippines
La Mesa Treatment Plant 1	Philippines
Project consumption	Philippines
SWT Project – Taganito HPAL	Philippines
Taganito HPAL Waste Water (Basket Strainer)	Philippines
Technimont	Russian
JGC \ QAFCO	Saudi Arabia
Glycol Reboiler	Singapore
24,000 Ton Sugar Silo	Singapore
Isothermal Plant Intro Project	Singapore
Lanxess Butyl Rubber Project	Singapore
Nestle Oil Singapore	Singapore
NFL Natural Fuel Biodiesel Plant	Singapore
Ajinomoto PTT project	Thailand
Nucor Pjt	Thailand
Halong Cement Plant	Vietnam

Desalination 海水淡化工程	
Project 项目	Country 国家
Al Dur Independent Water and Power Project	Bahrain
Jabel Ali Power & Desalination Plant 'L' Station	Dubai
M Station Fisia – DEWA	Dubai
Marafiq Desalination Plant	Dubai
Ras Al Fan Desalination Plant	Dubai
Ras Laffan 'C'	Dubai
Steam Transformer for Layyah	Dubai
Taweelah "B"	Dubai
Az Zour North Phase I	Kuwait
Soil Protection – Hagonoy and Obando Bulacan	Philippines
Sidem – Marafiq	Saudi Arabia
SWCC – Al Jubail	Saudi Arabia
Az Zour North Phase I	UAE
Hyundai Quality International Az Zour North	UAE
Van Phong Sea Water FGD Project	Vietnam

Completed Projects

Refinery 冶炼厂

Project 项目	Country 国家
CNPC Dushanzi Petrochemical Oil Refinery Cracking Unit Recondition Project. 中石油独山子石化 炼油裂解大修项目	China
PetroChina Guangdong Petrochemical Ethylene Gas Furnace Plant	China
Shanxi Ankun Project	China
Shenghong Petrochemical Ethylene Cracking Unit	China
Zhejiang Petrochemical and Shenghong Petrochemical Hydrogenation Unit	China
CNOOC Huizhou Refinery Project 中海油惠州炼油项目	China
CNPC Dalian, Fushun, Qingdao, Sichuan, Dushanzi, Jinzhou, Daqing Re-refining Project 中石油大连, 青岛, 四川, 独山子, 锦州, 大庆等炼油厂项目	China
CSPC Huizhou Refinery	China
CSPC Hydrocracker Plant and Hydrotreater Plant	China
Fujian Ethylene Refinery. 福建乙烯项目	China
Gaoping Refinery Works Hydrogen Reactor. 高平炼厂	China
Guangzhou Petro Refinery Hydrogen Reactor. 广州石化公司	China
Hainan Shihua Refinery Project 海南实华公司	China
Hydrogen Reactor, Gao Qiao Refinery	China
Jilin Petroleum Refinery Project. 吉化炼油项目	China
Jinzhou Refinery Works. 锦州炼化公司四合一项目	China
Jinzhou Refining Project. 锦州炼油连续重整装置	China
Qingdao Refinery Project. 青岛炼油项目	China
Qinghai Ge'ermu Refinery. 青海格尔木炼油	China
Shandong Binzhou Refinery Project. 山东滨州加氢精制项目	China
Shandong Hui Feng Refining Project. 山东汇丰加氢项	China
Shandong Zhenghe Group Refinery Project. 山东正河集团	China
Sinopec Shanghai Gaoqiao, Zhenhai, Guangzhou, Qingdao, Jinan, Hainan, Beijing Yanshan Refining Works 中石化炼油厂项目	China
Urumqi Refinery Project. 乌鲁木齐炼油项目	China
Yanshan Petro Refinery Hydrogen Reactor 燕山石化公司	China
Zhuhai BP JV Refinery Project. 珠海BP 项目	China
SAMREF Yanbu Terminal	Dubai
Bongaigan DHDT	India
BORL - Bina Refinery	India
BORL - CDU/VDU Refinery	India
BPCL - Kochi Refinery	India
Brahmaputra Crackers & Petrochemical	India
BRPL - Bongaigan Refinery	India
CPCL - Euro IV Refinery	India
CPCL Refinery - CDU/VDU - II Revamp	India
HPCL - Vizag - Green Fuel & Emission Control	India
HPCL Mittal Energy	India
HPCL-RUF	India
IOCL - PREP Refinery	India
IOCL - PTA & MSQU Refinery	India
IOCL-Panipat Refinery	India
Kochi Refinery - Crude Oil Facilities	India
MRPL - HCU 1 & 2 Revamp	India
NFCL - Kakinada Revamp	India
Nuclear Board, Tarapur	India
Numaligarh Refinery	India
Reliance - Jamnagar	India
Pertamina RU V Balikpapan	Indonesia
Zhaikunai CGTU-3	Kazakhstan
Al Muajiz (ARAMCO)	Kuwait
Petronas Maleka Refinery	Malaysia
Replenishment Proj.	Philippines

Refinery 冶炼厂

Project 项目	Country 国家
Technip/Jubail Export Refinery Project	Saudi Arabia
Ethylene Cracker Complex (ECC) Plant - Shell Eastern PL	Singapore
Shell Eastern CDF Project	Singapore
Thai Oil Clean Fuels Project - Sriracha Refinery	Thailand
Samsung, Yanbu (Tank)	United Arab Emirates
SWCC, Yanbu (Saudi)	United Arab Emirates
Technicas Re-Unidas, Saudi Aramco Project	United Arab Emirates
Bechtel USA	USA
Shell USA (Geismar)	USA
Valero Refinery - Ultra Low Sulphur - Diesel Project	USA
Dung Quat Refinery Project - JGC, Technip JV	Vietnam

LNG 液态天然气

Project 项目	Country 国家
Wheatstone Project LNG Plant by Sapura Kencana	Australia
Takreer - LTC Adgas	Bahrain
Proyek Terminal Penerimaan Dan Regasifikasi LNG Bali	China
GAIL - DVPL Project	India
Bontang LNG Terminal	Indonesia
Donggi Project	Indonesia
Medco E & P - Singa Gas Plant Development	Indonesia
Mobil Arun LNG Terminal	Indonesia
Pertamina - Jambi Merang Gas Production	Indonesia
Tuban LPG - LPG Recovery Project	Indonesia
Adriatic LNG Terminal - Siemens	Italy
EPCC for ABF Deaerator Project	Malaysia
MLNG Phase 1, 2 and 3 Terminal	Malaysia
Petronas Gas Processing Plant Train 1-6	Malaysia
Yamal Gas Project	Philippines
Conversion of BW GDF SUEZ PARIS LNG Carrier to FSRU	Singapore
Golar Gimi	Singapore
Golar Hilli	Singapore
65T ASD LNG Hybrid Harbour Tug	Singapore
LNG Bunker GTT Indah Singa Pavilion	Singapore
Gasco Project	UAE

Aero Space 航空航天

Project 项目	Country 国家
AG 600	China
AVIC Qingan Group. 中航工业庆安集团有限公司	China
GE-AS Project. 通用航空项目	China
MA700	China
MOOG Project. 穆格项目	China
UTAS Project. 联合技术航空系统项目	China
A321	France
Bae Aerospace	India
ISRO - Vikram Sarabhai Space Centre	India
Airbus	Indonesia
Jet A1 Conversion Project	Singapore
LPS	United Kingdom
Triumph/MOOG	United Kingdom

Infrastructure 基础设施	
Project 项目	Country 国家
Emirates Aluminium – Pot Shell	Bahrain
Pumping Station – HIDD Phase III	Bahrain
Sihaunak Ville Project	Cambodia
Dalian Petroleum Reforming Project.	China
大连石化改造项目	
Energy Conservation and Emissions Reduction Project.	China
节能减排技术改造项目	
Fisia Water Tank Project	Dubai
Earth Moving Equipments	India
Toyo India	India
Bamban Centennial Bridge	Philippines
Cebu City Hall Sports Complex	Philippines
Davao Various Project	Philippines
DepEd Project	Philippines
Grand Hyatt Project	Philippines
Haskell– Company Philippines	Philippines
Magat Dam Soil Protection	Philippines
MRT7 Project–Railway	Philippines
NSCR Project	Philippines
Runway Project	Philippines
San Miguel Warehouse – Panay & Buting	Philippines
Seasons Residences Project	Philippines
Sheet Piling for Cagayan River	Philippines
SM & Robinsons Malls	Philippines
South Pacific Plant	Philippines
Taganito HPAL Waste Water	Philippines
Aluminum Smelter	Qatar
Pearl Qatar	Saudi Arabia
Maden Process Water Storage Tank	Saudi Arabia
Changi Airport Terminal 3	Singapore
Chiyoda (S) Changi Airport Expansion	Singapore
Container Lifting Spreader Structure	Singapore
Horizon Terminal	Singapore
Punggol LRT	Singapore
Universal Tanking Terminal	Singapore
Oil tanking Singapore, Chem 5 and 6	Singapore
Port Lifting Spreader Structure	Singapore
Vopak Penjuru Plant Expansion	Singapore
Tacoma Narrow Bridge	USA

Steel Mill 钢铁工厂	
Project 项目	Country 国家
Benxi Steel Works Hot Rolling Line Revamp 本溪钢厂升级改造	China
Liu Hua Group Transforming Furnace Project	China
刘化集团变换炉项目	
Tianjin Jinding Pipeline Co., Ltd. 天津金鼎管道有限公司	China
TISCO – Phase II Modernization TISCO	China
生产线升级改造二期项目	
Essar Steel Plant Modification	India
HBI (Heavy Briquetted Iron) Project	India
Lloyds Steel Plant	India
PT. Krakatau DRI HYL–III Project	Indonesia
QASCO HBI/DRI Iron Plant	Qatar
Qatalum – Pot Shells	Qatar

Ship Building 造船	
Project 项目	Country 国家
Woodside Enfield Delevopment, FPSO	Australia
Enfield FPSO Development.	Australia
P–53 Roncador Field FPSO, TEG Contactor & KO Drum.	Brazil
Tupi TLD FPSO.	Brazil
Petrobras Tupi TLD, P40, P53 FPSO etc	Brazil/Singapore
Conoco Phillips Bohai Bay FPSO Project 渤海湾二期FPSO 项目	China
Dalian Shipyard Oil Tanker 大连造船厂油轮	China
Shanghai WaiGaoqiao Project. 上海外高桥项目	China
VLCC 300,000 DWTx5, National Iranian Tanker	China
伊朗国家5艘30万吨VLCC油轮	
Waigaoqiao Shipyard Conoco Phillips FPSO	China
93.6m Platform Supply Vessel, Great Ship Ltd.	India
DDSR Buffer – Ship Building	India
PSV Project – Ship Building	India
Sagar Samrat Vessel – Ship Building	India
Ship Building Bay 56 to 61	India
Ship UT 755LN BY64–69	India
Ship VC 11102, 11115, 11116	India
Zadeko Roro Vessel 81001 & 81002	India
6300 DWT CPP Tanker, ABS Classed	Indonesia
Kikeh –1 FPSO, Murphy Oil – PCSB	Malaysia
Yoho Yp Topside	Nigeria
B378 Keppel Fels	Singapore
CIMIC Raffles (S) Ship Building	Singapore
Eco Queen	Singapore
80 DEH RoPax Ferry 1, 2 & 3	Singapore
Heerema Sleipnir	Singapore
H412/H413/H411 Keppel FELS	Singapore
Karish & Tanin FPSO Energean	Singapore
KSM 93.6m Platform Supply Vessel, NV Classed	Singapore
Liza Prosperity	Singapore
M1286 (B367) Keppel Fels	Singapore
M1571 Keppel Fels	Singapore
M1572 Keppel Fels	Singapore
M1605 (H411) Keppel Fels	Singapore
Shapoorji FPSO	Singapore
TOI Jurong Espadon–III #1 Deepwater Atlas	Singapore
TOI Jurong Espadon–III #2 Deepwater Titan	Singapore
Prestige Marine PL	Singapore
110,000 tons FPSO. 11万吨FPSO	UK

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Petrochemical



Aerospace



Pressure Vessel



Marine



Pipeline



Desalination Plants



Infrastructure



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(Windmill, Solar, Geo-Thermal)



Power Plants



Automobile

Aerospace Industry
Automobile Industry
Construction Industries
Chemical / Pharmaceutical Plant
Cross Country Pipeline Projects
Industry Plants
Marine and Offshore Industries
Metal Smelting Plant
Oil & Gas Exploration and Production
Petrochemical / Refineries
Power Generation
Pulp and Paper Industries
Precision Engineering Equipments:
Pressure Vessels, Heat Exchangers, Columns, Towers, Tanks etc.
Water Treatment and Desalination Plants

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