

风电锻件业务介绍

Introduction Of Wind Power Forgings Business

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Company profile

公司介绍



伊莱特能源装备股份有限公司是一家以清洁能源关键部件制造为主业的企业，产品主要应用于风电、核电、水电、特高压、深海工程、重型装备、高端炼化、采矿冶金等领域。

伊莱特在清洁能源、化石能源、重型装备和矿山开采等领域占有重要的市场地位，包括：

在风电领域，我们是工信部风电法兰单项冠军示范企业，并拥有多个10-20MW机型的制造业绩；

在核电领域，我们在世界范围内保持有直径15.673米超大锻环的制造纪录；

在管道法兰领域，我们拥有超过20年的出口经验，并获得了八国船级社的认证；

在矿山研磨领域，我们是多家世界五百强矿山企业的研磨介质稳定供应商；

目前，伊莱特拥有全球不同国家和地区的30项各类认证，是超过40家世界500强企业的认证供应商，并参与了风力发电机组环形锻件、锻（轧）钢球、特高压管塔法兰和锻轧式大型筒体等20余项标准的起草与制定，获得各项发明专利、实用新型专利120余项。

伊莱特现有1个销售中心、7个制造事业部、7个管理中心、8个全资子公司，全球员工2200余人。近半个世纪来，伊莱特始终扎根于装备制造行业心无旁骛，从大西洋沿岸的海上风机、到中国东海之滨的四代核电、再到秘鲁崇山峻岭中的矿山，都能见到我们产品的身影。秉承“诚实、谦逊、坚韧、拼搏”的价值观，伊莱特始终致力于通过高质量产品为全球客户创造可持续价值。

主要荣誉有：

- 制造业单项冠军示范企业（风电法兰）
- 国家级企业技术中心、国家级绿色工厂、中国驰名商标、国家高新技术企业
- 山东省瞪羚企业、山东省专精特新企业、山东省中小企业隐形冠军企业、山东省高新技术企业、山东省知名品牌(耐磨钢球产品)
- 山东省先进基层党组织、山东省两新组织党建工作示范点、山东省五一劳动奖状
- 中国锻压协会副理事长单位、山东省锻压协会理事长单位
- “好品山东”品牌形象代表

Iraeta Energy Equipment Co., Ltd. (Abbreviation "IRAETA") is an enterprise mainly engaged in the manufacture of clean energy key components, mainly used in fields such as wind power, nuclear power, hydropower, UHV, offshore engineering, machinery manufacturing, high-end refining, mining and other fields.

IRAETA has an important market position in the fields of clean energy, fossil energy, heavy equipment and mining, including:

In the field of wind power, we are the single champion model enterprise of wind tower flange of Ministry of Industry and Information Technology in China, and provided tower flanges for 10 -20MW models;

In the field of nuclear power, we maintain a manufacturing record of diameter 15.673 meters in forging rings worldwide1 ;

In the field of pipe flanges, we have more than 20 years of export experience, and obtained the certification of the eight countries classification society;

In the field of mine grinding, we are a stable supplier of grinding media for many of the world's top 500 mining companies;

Currently, Iraeta holds more than 30 various certifications from different countries and regions worldwide. It is a certified supplier for over 40 Fortune Global 500 companies and has participated in the drafting and formulation of over 20 standards, including those for wind turbine ring forgings, forged & rolled steel balls, UHV pipe tower flanges, and forged rolled large cylindrical bodies. The company has also obtained over 120 invention and utility model patents.

IRAETA now has 1 sales center, 7 manufacturing business units, 7 management centers, and 8 wholly-owned subsidiaries, having over 2,200 employees. For nearly half a century, IRAETA has always been steadfastly devoted to the forging industry. From offshore wind turbines on the Atlantic coast to the oil fields deep in the deserts of the Middle East, to mines in the lofty mountains of Peru, our products have made their mark. Adhering to the values of "honesty, humility, perseverance and hardwork", IRAETA is committed to creating sustainable value for global customers through high-quality products.

The main honors include:

- Demonstration Enterprise for Manufacturing Single Champion (Wind Power Flange)
- National Enterprise Technology Center, National Green Factory, China Famous Trademark, National High-tech Enterprise
- Shandong Province Gazelle Enterprise, Shandong Province Specialized and New Enterprise, Shandong Province Small and Medium-sized Enterprise Hidden Champion Enterprise, Shandong Province High-tech Enterprise, Shandong Province Famous Brand (Wear-resistant Steel Ball Product)
- Advanced Grassroots Party Organization of Shandong Province, Demonstration Point for Party Building Work of Two New Organizations in Shandong Province, Shandong Province May 1st Labor Certificate
- Vice Chairman Unit of China Forging Association, Chairman Unit of Shandong Province Forging Association
- "Good Shandong" Brand Image Representative

发展历程

Development

- 2006年** 工厂投产；
In 2006, The factory was commissioned.
- 2008年** 获得歌美飒GAMESA认证，风电法兰开始出口至欧洲；
In 2008, Passed the homologation by Gamesa and started exporting wind power flanges to Europe.
- 2009年** 获得维斯塔斯VESTAS认证；参与国家能源局《风力发电机组环形锻件》标准的起草工作；山东省人民政府授予“全省先进民营企业”称号；
In 2009, Passed the homologation by Vestas; Participated in drafting Ring-type Forgings of Wind Turbine Generator System, which was led by the National Energy Administration; Awarded the title "Advanced Private Enterprises of Shandong Province".
- 2011年** 风能装备事业部投产；获得西门子风电认证；
In 2011, Wind Power Equipment Business unit was put into production; Passed the homologation by Siemens;
- 2012年** 获得GE风电认证；
In 2012, Passed the homologation by GE.
- 2013年** 通过ISO/IEC17025实验室认证（iLac/CNAS国家认可实验室）；
In 2013, Passed the ISO/IEC17025 laboratory certification (iLac/CNAS National Recognized Testing Laboratory).
- 2014年** 通过美国ABS、法国BV、挪威DNV GL、日本NK、韩国KR、意大利RINA等船级社认证；
In 2014, Passed the certification test of ABS, BV, DNV GL, NK, KR, RINA, and other classification societies.
- 2015年** 与中科院金属所合作成立“李依依院士工作站”；
In 2015, Established the "Li Yiyi Academician Workstation" with the Institute of Metal Research, Chinese Academy of Sciences;
- 2018年** 核能重装事业部16米轧环机投产；
In 2018, the 16-meter rolling machine in Nuclear and Heavy Equipment Business unit was put into production.
- 2019年** 制造出四代核电用的直径15.8米全球超大锻环；收购西班牙伊莱特；
In 2019, Supplied 15.8m diameter austenitic stainless steel forging rings for Generation IV nuclear power; Acquired Iraeta Spain.
- 2020年** 参与起草的《风力发电机组整锻塔架法兰制造技术规范》团体标准发布；
In 2020, The group standard of "Technical specification for Manufacturing wind Power flanges of Wind Turbine" drafted by the party was released.
- 2021年** 为中国首台3500千焦海洋打桩锤提供替打环；荣获中国驰名商标；风电法兰荣获全国制造业单项冠军；国家级绿色工厂；
In 2021, Supplied the anvil ring forgings for the China first set 3,500 kJ marine pile hammer; Received the name of "well-known trademark" in China; Won the national championship in manufacturing flanges for the wind energy industry and national green factory.
- 2022年** 最大的整体环轧钢环荣获吉尼斯世界纪录称号；海工装备事业部、核海新材料事业部投产；
In 2022, the largest seamless rolled steel ring won the Guinness World Records title; The Offshore Engineering Equipment Division and the Nuclear Marine New Materials Division commenced production.
- 2023年** 向中国首座深远海浮式风电平台提供法兰；
In 2023, Supplied flanges for China's first deep-sea floating wind power platform.
- 2024年** 全球最大吨位自由锻液压机设备群在伊莱特签约；
In 2024, Secured a contract for the world's largest free forging hydraulic press system.

加工能力

Processing capacity

最大轧环尺寸

外径 **22** 米，高度 **5** 米

The largest rolled ring has an outside diameter of 22 meters and a height of 5 meters.

轧环生产线数量

8 条

The number of ring rolling production lines is 8

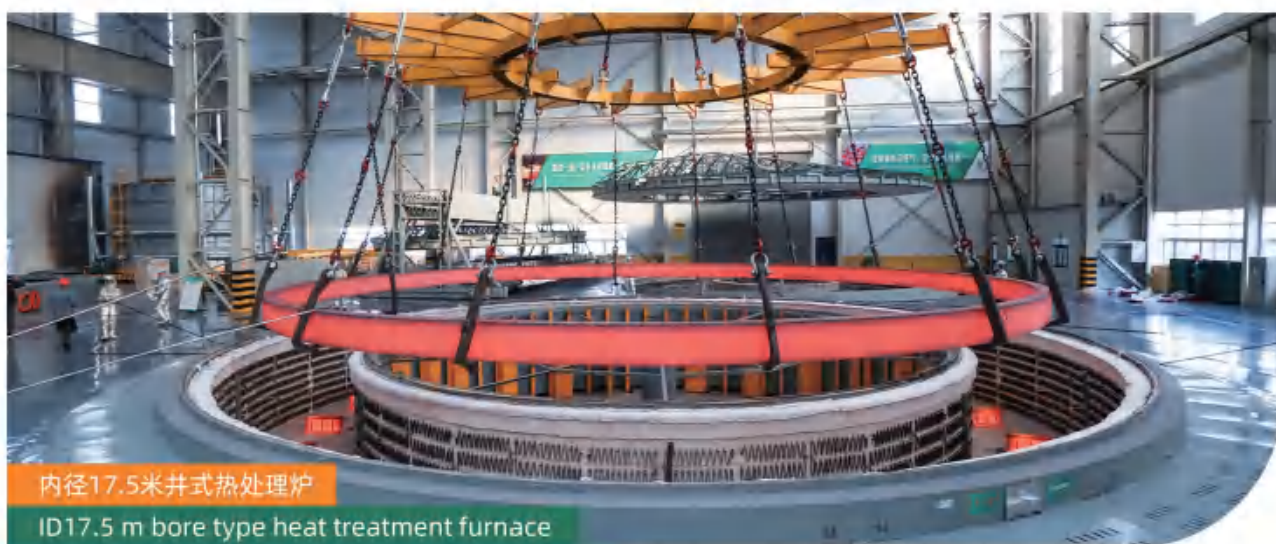
目前年产量

250000 吨法兰

Currently, the annual production is 250,000 tons of flanges.

设备能力

Equipment capacity



在建设设备

Under construction equipment

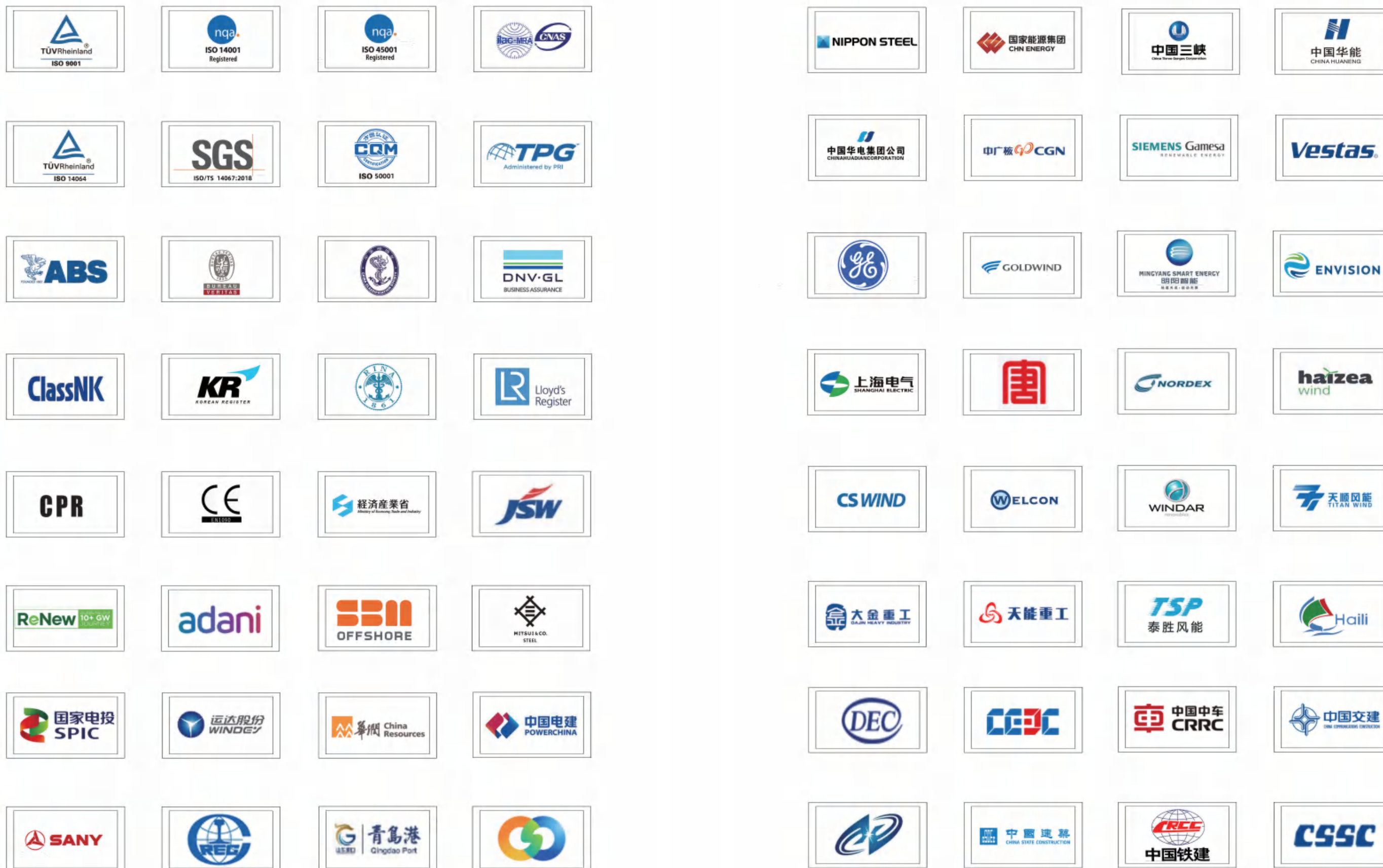
在建设设备主要包括：全球最大2.2万吨压机一台，配套300吨操作机；轧制直径22米，高度5米全球最大轧环机1台；加热炉10台，热处理设备12台，机加工设备13台，环保设备1台；其他辅助设备14台。

One of the world's largest 22,000-ton presses, with 300-ton manipulating machines; One of the world's largest ring rolling machines with a diameter of 22 meters and a height of 5 meters; 10 sets of heating furnaces, 12 sets of heat treatment equipment, 13 sets of machining equipment, and 1 set of environmental protection equipment; 14 sets of other auxiliary equipment.



资质及客户

Qualifications and clients



注：以上内容无先后顺序
Note: The content mentioned above has no particular order

P

roducts and services

产品与服务



齿轮箱锻件
GEARBOXE FORGINGS



偏航锻件
YAW RINGS



变桨锻件
PITCH RINGS



塔筒法兰
TOWER FLANGES



塔筒门框
TOWER DOORFRAMES



塔筒底法兰
桩法兰
BOTTOM FLANGES
MP FLANGES

产品展示

Product display





品质保障

Quality assurance

我们的产品经过中国合格评定国家认可委员会 (CNAS) 认可的实验室严格检测, 确保每一项性能指标均达到国际标准。CNAS 认可证书不仅是我们的产品品质的权威证明, 也是我们对客户承诺的体现。我们承诺, 将持续以高标准要求自己, 不断优化产品, 提升服务, 以赢得您的信任和满意。选择我们的产品, 您将享受到由 CNAS 认可的品质保障, 体验到真正的安心与放心。

Our products have been rigorously tested by laboratories accredited by the China National Accreditation Service for Conformity Assessment (CNAS), ensuring that every performance indicator meets international standards. The CNAS accreditation certificate is not only an authoritative proof of the quality of our products but also a reflection of our commitment to our customers. We promise to continuously set high standards for ourselves, constantly optimize our products, and improve our services to win your trust and satisfaction. By choosing our products, you will benefit from quality assurance recognized by CNAS, giving you true peace of mind and confidence.



智慧低碳的循环经济

Smart low-carbon circular economy



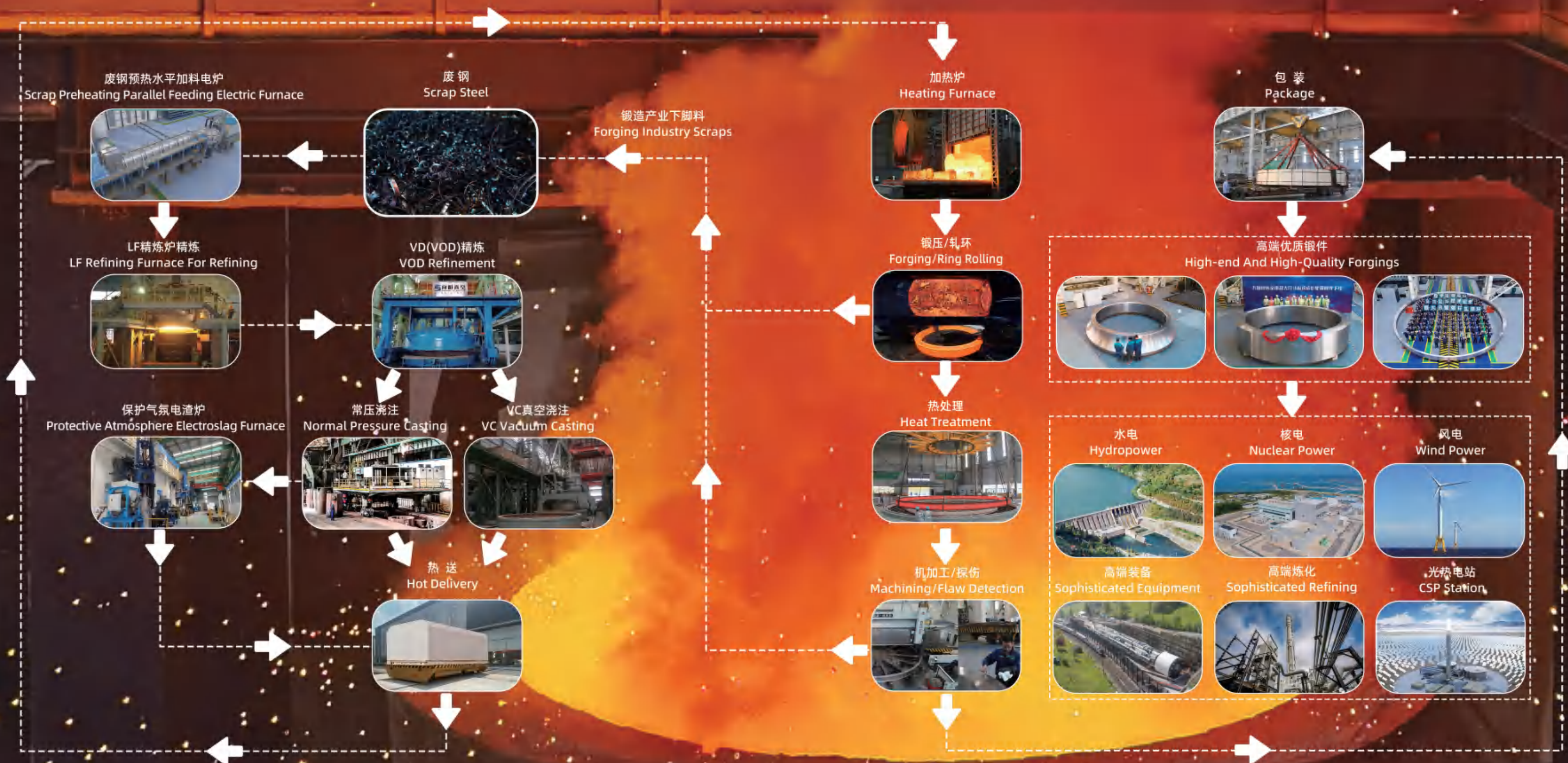
伊莱特采用“智慧低碳的循环经济”模式。通过回收利用原有产业的下脚料, 重新制备核电、海洋工程等领域所需的先进材料。在生产过程中, 通过使用屋顶光伏、600 摄氏度材料热送和金属构筑成形等一系列绿色锻造技术, 最大限度地降低了能源消耗和碳排放。该项目使我们拥有了原材料制备、锻造、热处理、机加工、物流发运于一体的全流程产业链格局。



IRAETA adopts a "smart low-carbon circular economy" model. By recycling and reusing the leftover materials from existing industries, advanced materials required for fields such as nuclear power and ocean engineering are re-prepared. In the production process, a series of green forging technologies such as rooftop photovoltaic, 600°C material hot delivery, and metal construction forming are used to minimize energy consumption and carbon emissions. This project has given us an integrated industrial chain layout that includes raw material preparation, forging, heat treatment, machining, and logistics distribution.

绿色循环产业链

Green recycling industry chain



全球布局

Global layout



我们的产品足迹遍布全球各地风场，远销欧美、日韩、东南亚等50余个国家和地区。我们的全球服务经验超20年，是40余家世界500强的认证供应商。

集团在中国、西班牙、美国、巴西、阿根廷、印度、土耳其、南非等多个国家拥有工厂和服务网络，能为全球风电主机企业、总包方提供从塔筒、法兰到偏航变桨系统的各类风电部件本地化解决方案。

Our products have a global presence in wind farms, with sales reaching over 50 countries and regions, including Europe, America, Japan, Korea, and Southeast Asia. We have more than 20 years of experience in global services and are a certified supplier for more than 40 Fortune 500 companies.

The group has factories and service networks in various countries such as China, Spain, the United States, Brazil, Argentina, India, Turkey, and South Africa, capable of providing localized solutions for a variety of wind power components ranging from tower sections, flanges to yaw and pitch systems for global wind turbine manufacturers and general contractors.

FIHI Forging Industry, S.L.(FIHI), 西班牙伊莱特位于西班牙北部的巴斯克地区。FIHI拥有60多年的锻造生产经验，在欧洲风电法兰市场占有重要的市场地位，拥有德国西马克轧钢机、8米热处理炉、8米机床等一系列先进设备。

通过联动中国工厂产能与西班牙工厂服务响应速度，可以使伊莱特在国际市场更好的服务客户。FIHI是伊莱特产业全球布局、服务全球客户的重要组成部分，也是进一步扩大在国际风电市场知名度的重要力量。

FIHI Forging Industry, S.L.(FIHI) is located in the Basque Country of Northern Spain. FIHI has more than 60 years of experience in forging production, and holds an important market position in the European wind turbine flange market. It has a series of advanced equipment such as SMS rolling mill, 8-meter heat treatment furnace and 8-meter machine tool.

By linking the production capacity of Chinese factory with the rapid service response of the Spanish factory, Iraeta can better serve customers in the international market. FIHI is an important part of Iraeta's global layout and service to global customers, as well as an important force to further expand its popularity in the international wind power market.



Partial large megawatt wind power performance 大兆瓦部分风电业绩

项目名称/Project Name	机型/Modle
样机项目 Prototype Project	上海电气/SEC 16MW
三峡兴化湾海上项目 The Three Gorges Xinghua Bay Offshore Project	东方电气/DEC 10MW
样机项目 Prototype project	海装/CSSC 18MW
广投广西防城港项目 Guangtou Guangxi Fangchenggang Project	远景/Envision Energy 10MW
山东能源渤中G场址海上项目 Shandong Energy Bozhong G Site Offshore Project	上海电气/SEC 12.6MW
中船海装大连庄河海上项目 The CSSC Dalian Zhuanghe Offshore Project	海装/CSSC 10MW
三峡平潭外海海上项目 Sanxia Pingtan Offshore Project	金风/Goldwind 16MW
明阳海南临高海上项目 Mingyang Hainan Lingao Offshore Project	明阳/MYSE 14MW
明阳汕头海上项目 Mingyang Shantou Offshore Project	明阳/MYSE 12MW
明阳青洲四海上项目 Mingyang Qingzhou Four Seas Offshore Project	明阳/MYSE 11MW
联合动力东营海上项目 United Power Dongying Offshore Project	联合动力/United Power 10MW

项目名称/Project Name	机型/Modle
三峡漳浦二期项目 Sanxia Zhangpu Phase II Project	金风/Goldwind 16MW
华润连江外海项目 CR Power Lianjiang Offshore Project	东方电气/DEC 18MW
中广核惠州港口二期 CGN Huizhou Port Phase II	远景/Envision Energy 14MW
Dominion Project	西门子歌美飒/SGRE 14MW
Nordseecluster-A Project	维斯塔斯/Vestas 15MW
SGRE Hailong PJ	西门子歌美飒/SGRE 14MW
Baltic Power Project	维斯塔斯/Vestas 15MW
SGRE Jeonnam PJ	西门子歌美飒/SGRE 11MW
Vineyard Wind Offshore Project	通用电气/GE 14MW
Thor Offshore Wind Farm Project	西门子歌美飒/SGRE 14MW
SGRE Borkhum Riffgrund 03	西门子歌美飒/SGRE 11MW
SGRE 14MW-NG11	西门子歌美飒/SGRE 14MW
HKZ-SGRE 11MW	西门子歌美飒/SGRE 11MW
Moray West Offshore Wind project	西门子歌美飒/SGRE 14MW

Offshore wind power performance

海上风电业绩



国内部分海上风电业绩

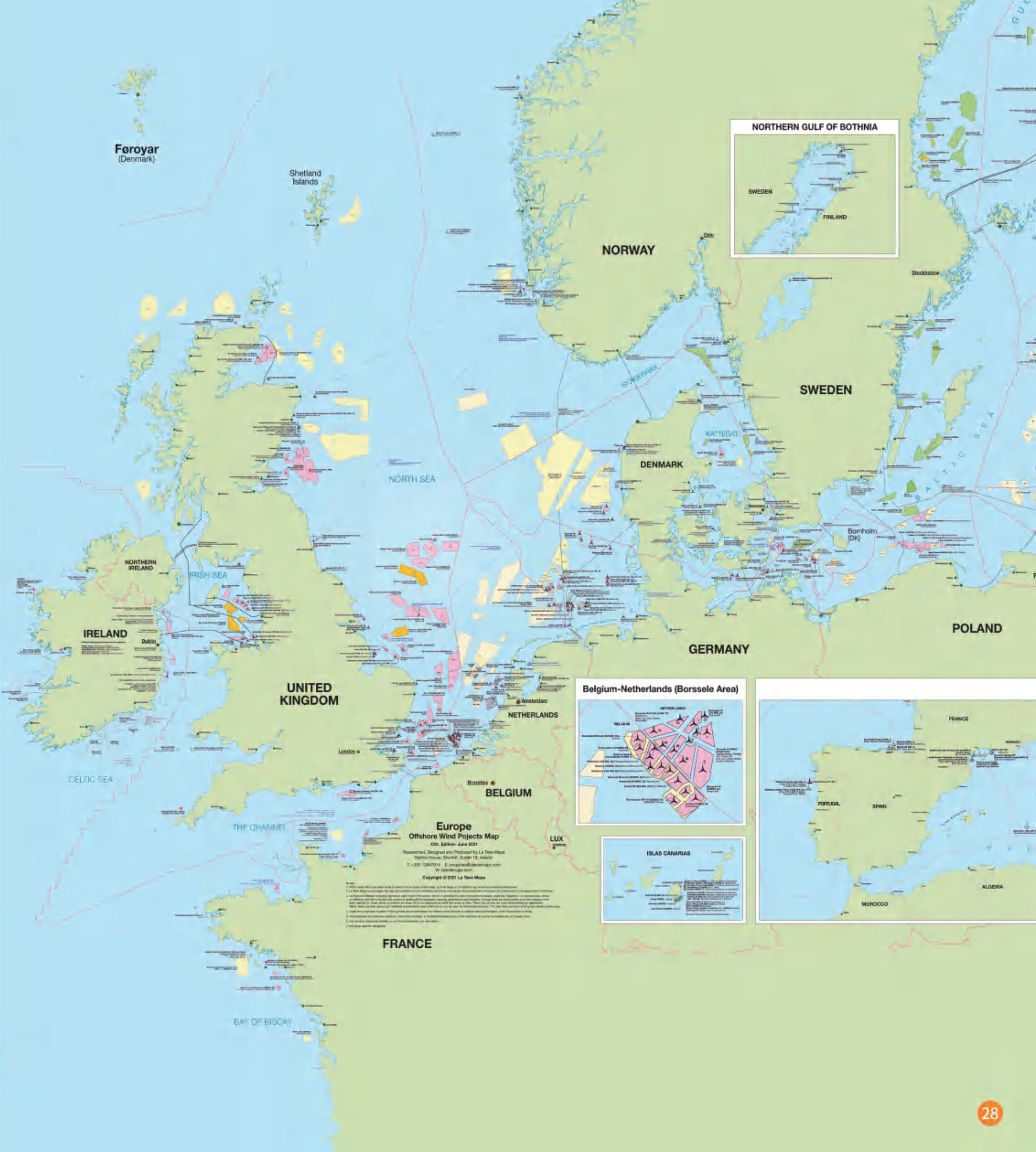
Partial performance of domestic offshore wind power

项目名称/ Project Name	装机容量/ Installed Capacity	机型/ Modle
华能玉环2号项目 Huaneng Yuhuan No. 2 Project	504 MW	上海电气/SEC 16MW
华润连江外海项目 CR Power Lianjiang Offshore Project	700 MW	东方电气/DEC 18MW
中广核惠州港口二期 CGN Huizhou Port Phase II	1000 MW	远景/Envision Energy 14MW
国华渤中I场址海上项目 Guohua Bohai Central I Site Offshore Project	500 MW	金风/Goldwind 8.5MW
龙源海南CZ8海上风电项目 Longyuan Hainan CZ8 Offshore Wind Power Project	500 MW	明阳/MYSE 10MW
国电浙江象山海上项目 Guodian Zhejiang Xiangshan Offshore Project	504 MW	运达/Winde Energy 9MW
山东能源渤中A海上项目 Shandong Energy Bohai Central A Offshore Project	500 MW	海装/CSSC 8.35MW
华能勒门海上项目 Huaneng Le Men Offshore Project	594 MW	上海电气/SEC 11MW
三峡漳浦二期项目 Three Gorges Zhangpu Phase II Project	400 MW	金风/Goldwind 16MW
大唐勒门增容海上项目 Datang Le Men Expansion Offshore Project	354 MW	上海电气/SEC 13MW
大唐海南儋州CZ3海上项目 Datang Hainan Danzhou CZ3 Offshore Project	600 MW	东方电气/DEC 10MW
粤电阳江青洲一二海上项目 GEG Yangjiang Qingzhou I and II Offshore Project	1000 MW	明阳/MYSE 11MW
国电投徐闻增容项目 State Power Investment Xuwen Expansion Project	300 MW	明阳/MYSE 12MW
华能海南临高海上项目 Huaneng Hainan Lingao Offshore Project	600 MW	明阳/MYSE 10MW
国电投神泉二增容项目 State Power Investment Shenquan II Expansion Project	502 MW	上海电气/SEC 11MW
华电海坛海峡项目 Huadian Haitan Strait Project	300 MW	明阳/MYSE 7MW
三峡牟平BDB6#海上项目 Three Gorges Mauping BDB6# Offshore Project	300 MW	金风/Goldwind 9MW

国外部分海上风电业绩

Partial performance of international offshore wind power

项目名称/ Project Name	国家/ Country	装机容量/ Installed Capacity	机型/ Model
SGRE Borkhum Riffgrund 03	德国 German	913 MW	西门子歌美飒/SGRE 11MW
Baltic Power Project	波兰 Poland	1200 MW	维斯塔斯/Vestas 15MW
Dominion Project	美国 USA	1000 MW	西门子歌美飒/SGRE 14MW
Courseulles Sur Mer Offshore	法国 France	450 MW	西门子歌美飒/SGRE 7MW
Ishikari	日本 Japan	112 MW	西门子歌美飒/SGRE 8MW
HKZ-SGRE 11MW	荷兰 Netherlands	1500 MW	西门子歌美飒/SGRE 11MW
SGRE Sunrise PJ	美国 USA	880 MW	西门子歌美飒/SGRE 11MW
Vesterhav Project	北海 North Sea	344 MW	西门子歌美飒/SGRE 8MW
Vineyard Wind Offshore Project	美国 USA	800 MW	通用电气/GE 14MW
Moray West Offshore Wind Project	英国 UK	882 MW	西门子歌美飒/SGRE 14MW
SGRE Sofia PJ	英国 UK	1400 MW	西门子歌美飒/SGRE 14MW
Les îles d'Yeu et de Noirmoutier (NOY)	法国 France	496 MW	西门子歌美飒/SGRE 8MW
Nordseecluster-A Project	德国 Germany	660 MW	维斯塔斯/Vestas 15MW
Thor Offshore Wind Farm Project	丹麦 Denmark	1000 MW	西门子歌美飒/SGRE 14MW



漂浮式海上风电业绩

Floating offshore wind power performance

"三峡引领号"是中国首台漂浮式海上风电试验样机，也是国际上机位水深最浅、抗台风等级最高、所受风电机组载荷最大、设计难度最大的漂浮式海上风电平台结构，该项目装机容量5.5兆瓦，位于广东阳江海上风电场。

"Sanxia Pilot No.1" is China's first floating offshore wind power prototype, and it is also the floating offshore wind power platform structure with the shallowest water depth, the highest typhoon resistance level, the largest wind turbine load, and the greatest design difficulty in the international community. The project has a single unit with an installed capacity of 5.5 megawatts and is located in the Yangjiang offshore wind farm in Guangdong.



"三峡引领号"
"Sanxia Pilot No.1"



"国能共享号"
"Guo Neng Gongxiang Hao"

"国能共享号"是全球首个漂浮式风渔融合项目，该项目装机容量为4兆瓦，位于福建省莆田市秀屿区南日岛水域；"国能共享号"不仅代表了深远海浮式风电与养殖一体化设计的创新实践，还推动了海洋经济向深远海的融合发展，形成了"绿色能源+蓝色粮仓"的新模式。

"Guo Neng Gongxiang Hao" is the world's first floating wind-fishery integration project, with an installed capacity of 4 megawatts, located in the waters of Nanri Island, Xiuyu District, Putian City, Fujian Province. "Guo Neng Gongxiang Hao" not only represents an innovative practice in the integrated design of deep-sea floating wind power and integrated aquaculture but also promotes the integrated development of the marine economy towards the deep sea, forming a new model of "green energy + blue granary".



"海装扶摇号"
"Haizhuang Fuyao"

"海装扶摇号"是中国首台深远海浮式风电装备，其装机容量为6.2兆瓦，位于广东湛江海上风电场；"海装扶摇号"浮式风电装备的诞生填补了中国深远海浮式风电装备的空白，成为进军深远海能源开发领域的重要装备。

"Haizhuang Fuyao" is China's first deep-sea floating wind power equipment, with an installed capacity of 6.2 megawatts, located in the offshore wind farm of Zhanjiang, Guangdong; the birth of "Haizhuang Fuyao" floating wind power equipment has filled the gap in China's deep-sea floating wind power equipment, becoming an important equipment for advancing into the field of deep-sea energy development.

Provence Grand Large (PGL) 项目是全球首个采用张力腿式漂浮基础 (TLP) 的海上风电项目，该项目装机容量为24MW，位于法国马赛港以西大约40公里处；PGL项目是全球海上风电技术发展的重要里程碑。

Provence Grand Large (PGL) project is the first offshore wind power project in the world to utilize a Tension Leg Platform (TLP) floating foundation. With an installed capacity of 24MW, it is situated approximately 40 kilometers west of the Port of Marseille in France; the PGL project represents a significant milestone in the advancement of global offshore wind power technology.



Provence Grand Large

"海油观澜号"是中国首座深远海浮式风电平台，装机容量达到7.25兆瓦，位于距海南文昌136公里的海域；"海油观澜号"的成功并网发电标志着中国深远海风电关键技术取得重大进展，海上油气开发进入"绿电时代"。

"Haiyou Guanlan" is China's first deep-sea floating wind power platform, with an installed capacity of 7.25 megawatts, located in the maritime area 136 kilometers away from Wenchang, Hainan; the successful grid connection and power generation of the "Haiyou Guanlan" marks a significant advancement in the key technologies of China's deep-sea wind power, marking the offshore oil and gas development has entered the "green electricity era".



"海油观澜号"
"Haiyou Guanlan"



Hywind Tampen

Hywind Tampen项目是全球首个为海上石油和天然气平台提供动力的漂浮式风电场，该项目装机容量95兆瓦，位于挪威北海；Hywind Tampen项目不仅是世界上最大的漂浮式海上风电场，而且对于进一步发展漂浮式海上风电技术、降低未来漂浮式海上风电场的成本具有重要意义。

Hywind Tampen project is the world's first floating wind farm providing power to offshore oil and gas platforms, with an installed capacity of 95 megawatts located in the North Sea of Norway; the Hywind Tampen project is not only the world's largest floating offshore wind farm, but also of great significance for the further development of floating offshore wind technology and reducing the cost of future floating offshore wind farms.

Quality assurance

关注了解



直径11.5米！超大型整体轴承国产化时代来临

11.5M-DIAMETER! THE ERA OF LOCALIZATION OF SUPER LARGE INTEGRAL BEARINGS IS COMING



伊莱特入选工信部第五批单项冠军示范企业

IRAETA WAS SELECTED INTO THE FIFTH BATCH OF SINGLE CHAMPION DEMONSTRATION ENTERPRISES BY THE MIIT



离岸136KM、水深120M！伊莱特向首座深远海浮式风电平台提供法兰

OFFSHORE BY 136KM AND AT A WATER DEPTH OF 120M! IRAETA PROVIDES FLANGES FOR THE FIRST DEEP-SEA FLOATING WIND POWER PLATFORM



海上风电“大”时代，伊莱特从未缺席！

IN THE ERA OF "LARGE-SCALE" OFFSHORE WIND POWER, IRAETA HAS NEVER BEEN ABSENT!



锻造未来 永不止步
FORGE AHEAD



时隔八年，这项风电团标的制定为何如此受关注？

WHY IS THE DEVELOPMENT OF THIS WIND POWER GROUP STANDARD GETTING SO MUCH ATTENTION AFTER EIGHT YEARS?



国内漂浮式风电启航，伊莱特“乾坤圈”走向深蓝

CHINA'S FLOATING OFFSHORE WIND FARM SAILS OUT, IRAETA'S "UNIVERSE CIRCLE" GOES DARK BLUE



超大型整体式轴承锻件在伊莱特下线

IRAETA'S EXTRA-LARGE SOLID BEARING FORGINGS OFF THE PRODUCTION LINE



3500千焦锻轧式替打环正式发运

3,500 KJ ANVIL RING FOR THE HYDRAULIC PILE HAMMER OFFICIALLY SHIPPED



71套“大呼啦圈”将被用于全球首个投产的零补贴海上风场

SEVENTY-ONE EXTRA-LARGE "HULA HOOPS" TO BE USED IN WORLD'S FIRST ZERO-SUBSIDY OFFSHORE WIND FARM



10MW+级风机建设再获新突破，伊莱特直径7.6米替打环下线

THE CONSTRUCTION OF 10MW+ CLASS WIND TURBINES HAS ACHIEVED A NEW BREAKTHROUGH, WITH THE 7.6-METER DIAMETER ANVIL RING FROM IRAETA SUCCESSFULLY COMING OFF THE PRODUCTION LINE



先人一步，伊莱特向欧洲浮式风电提供塔筒法兰

ONE STEP AHEAD, IRAETA SUPPLIES WIND TOWER FLANGE TO EUROPEAN FLOATING OFFSHORE WIND FARM



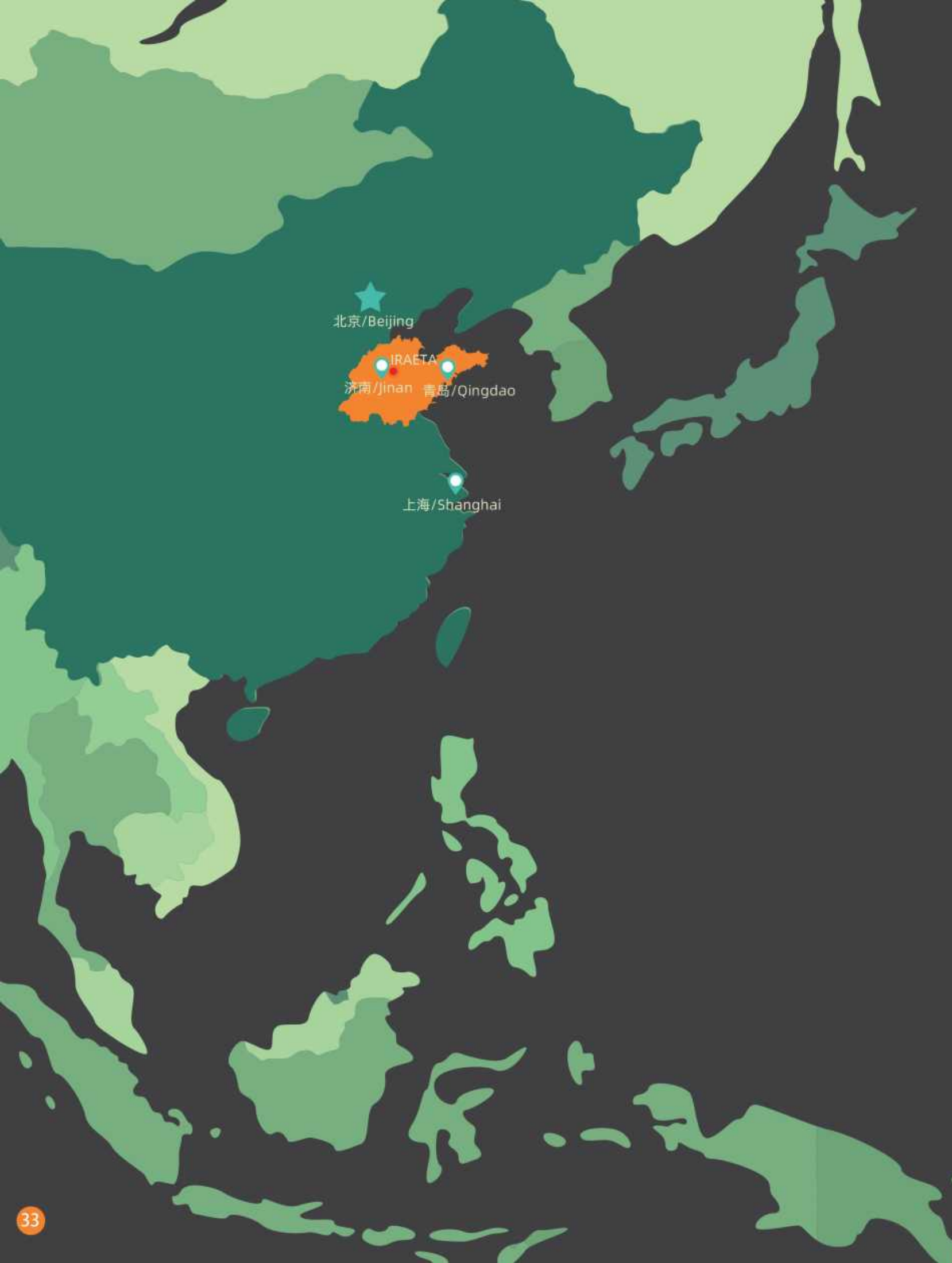
伊莱特向首个张力腿浮式海上风电提供法兰

IRAETA SUPPLIES FLANGES TO WORLD'S FIRST OFFSHORE TENSION-LEG PLATFORM WIND FARM



谁是最靠谱的人？——华电海上风电法兰伊莱特抢产纪实

WHO IS THE MOST RELIABLE ONE? --DOCUMENTARY OF IRAETA'S PRODUCTION OF FLANGES FOR OFFSHORE WIND FARMS



济南国际机场 Jinan Airport		驾车40分钟/ 40 mins' drive
青岛 Qingdao		高铁1小时20分钟/ 1 hours 20 mins by train
北京 Beijing		高铁1小时20分钟/ 1 hour 20 mins by train
上海 Shanghai		高铁3小时10分钟/ 3 hours 10 mins by train
		飞机1小时50分钟/ 1 hour 50 mins by plane

周边主要港口/ Major Surrounding Ports	
距章丘港：30公里	To Zhangqiu Port: 30km
距青岛港：300公里	To Qingdao Port: 300km
距潍坊港：200公里	To Weifang Port: 200km
距日照港：300公里	To Rizhao Port: 300km

