



中国海螺创业控股有限公司

CHINA CONCH VENTURE
HOLDINGS LIMITED



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CONCH VENTURE

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聚力打造中国第一、世界领先的大型综合环保企业集团

Concentrate on building
China's first and world's leading large-scale comprehensive
environmental protection enterprise group.

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公司简介

中国海螺创业控股有限公司（简称：“海螺创业”或“公司”）于2013年12月19日在香港联合交易所主板上市（股票代码：00586.HK），是一家提供节能环保“一揽子”解决方案的大型企业集团。产业涉及城市生活垃圾焚烧发电、新能源材料制造、锂离子电池回收利用、新型建材、港口物流等。2022年3月30日，公司工业固危废处置业务成功拆分，于香港联交所上市。

自上市以来，海螺创业紧抓国家大力发展绿色产业机遇，环保主业在转型中不断升级，从国内走向国际，跻身全国环保企业头部。截至目前，公司垃圾发电项目数量超百个，位居全国前列，覆盖全国20多个省市自治区以及海外越南等地。同时，公司抢抓新能源产业风口，大力发展新能源产业，伴随公司新能源电池正负极材料制造项目的建设投产以及资源化循环利用产业的快速发展，集上下游于一体的新能源产业链已形成，锻造出极具海创特色的“环保+新能源”千亿级产业新引擎。

海螺创业在纵横激荡中锐意进取、突破升级，凭借出色的业绩表现和运作能力，获得了社会各界的广泛关注。截至目前，海螺创业已成功入围恒生指数（HSI）旗下7只指数，蝉联第四届“新财富最佳IR港股公司”榜单，荣登《福布斯》2021年全球2000强榜单，连续五年入围中国上市公司500强榜单，发展态势一路高歌猛进，迎来一次又一次的高光时刻。

未来，公司将紧握国家绿色产业发展脉搏，继续专注于节能环保新材料产业发展，深挖环保细分领域，积极高效布局新能源电池产业，谋求产业结构的互助式融合健康发展，助力实现公司新一轮跨越，聚力打造中国第一、世界领先的大型综合环保企业集团。



Company Profile

China Conch Venture Holdings Limited (abbreviated as "Conch Venture" or "the Company") was listed on the main board of the Hong Kong Stock Exchange on December 19, 2013 (stock code: 00586. HK). Conch Venture is a large-scale enterprise group that provides a package solution for energy conservation and environmental protection. Conch Venture's business covers waste to energy plants incinerate municipal solid waste (WtE), new energy materials manufacturing, and lithium-ion batteries recycling, new building materials, port logistics, etc. The Company's industrial solid waste & hazardous waste disposal business was carved out successfully and listed on the Hong Kong Stock Exchange on March 30, 2022.

Since its listing, Conch Venture has seized the opportunity of the country's vigorous development of green industries, upgrading its main environmental protection business during the transformation continuously, expanding its business from the domestic market to the international ones, and ranking among the top environmental protection enterprises in the country. Up to now, the Company has undertaken over one hundred Waste to Energy projects, ranking among the top in terms of quantity nationally, covering more than 20 provinces, cities, and autonomous regions in China and overseas countries like Vietnam. At the same time, the Company has seized the opportunity of the new energy industry and developed it vigorously. Along with the construction and operation of its manufacturing new energy battery positive and negative electrode material projects and the rapid development of the resource recycling and utilization industry, the Company has formed a new energy industry chain integrating upstream and downstream. A new engine of the "environmental protection & new energy" industry with strong characteristics of Conch Venture which is worth hundreds of billions is forged. Conch Venture is determined to forge ahead, break through, and upgrade in the midst of ups and downs. Conch Venture has gained widespread attention from all sectors of society with its outstanding performance and operational capabilities. Up to now, Conch Venture was shortlisted in the seven indexes under the Hang Seng Index (HSI) successfully, was listed in the fourth "New Fortune Best IR Hong Kong Listed Company", was listed in Forbes 2021 Global Top 2000 list, and has been listed in China Top 500 Listed Companies for five consecutive years. The Company's development continues to soar, ushering in one highlight moment after another.

In the future, the Company will keep its finger on the pulse of the nation's development of green industry, continue to focus on the development of energy conservation and environmental protection new materials industry, dig deep into environmental protection subdivisions, lay out in the new energy battery industry proactively and efficiently, seek the mutual-aid, integrated and healthy development of the industrial structure, help to make great strides in the Company's development, and concentrate on building China's first and world's leading large-scale comprehensive environmental protection enterprise group.



Conch Venture
Shanghai Headquarters

海螺创业上海总部

企业使命

为人类未来创造美好家园

Enterprise mission

Create a better home for the future of mankind

企业愿景

成为中国第一、世界领先的大型综合环保企业集团

Enterprise vision

Become China's first and world's leading large-scale comprehensive environmental protection enterprise group

企业精神

团结、创新、敬业、奉献

Enterprise Spirit

Unity, Innovation, Profession, Dedication



发展历程

Milestones

2013

海螺创业前身为安徽海螺创业投资有限责任公司，成立于2002年11月，根据安徽省委、省政府要求，为完成安徽海螺集团混合所有制改革而成立。2013年，为落实安徽省委、省政府“振兴皖北、跨江发展”规划要求，海创投分拆其持有的海螺集团49%股份以及装备制造、港口物流、节能环保等业务，设立中国海螺创业控股有限公司。并于同年12月19日，以红筹股架构成功在香港主板上市，开创了控股公司架构企业在香港上市的先河。

Conch Venture, formerly known as Anhui Conch Venture Investment Co., Ltd., was established in November 2002 in accordance with the requirements of the CPC Committee and the People's Government of Anhui Province to complete the mixed ownership reform of Anhui Conch Group. In 2013, in order to implement the "Revitalization of North Anhui and Development Crossing the Yangtze River" plan as requested by the CPC Committee and the People's Government of Anhui Province, Conch Venture split off its 49% stake in Conch Group, as well as its equipment manufacturing, port logistics, energy conservation, and environmental protection business, and established China Conch Venture Holdings Limited. On December 19 of the same year, the Company was successfully listed on the main board of the Hong Kong Stock Exchange with a Red Chip Structure, creating a precedent for holding company structured enterprises to be listed in Hong Kong.

THIS DECADE

2018

签约首个海外炉排炉生活垃圾焚烧发电项目——越南北宁海创。

Signed the first overseas stoker type waste to energy project - Vietnam Bac Ninh Conch Venture WtE project.

成功发行5年期**39.25**亿港元零票息可转换债券。

Issued five-year zero-coupon convertible bonds with a value of HKD 3.925 billion successfully.

2017

首次荣登中国上市公司市值500强榜单，位列第**453**名。

Listed for the first time in China Top 500 Listed Companies by market value, ranked 453rd.

2016

上海海螺川崎节能环保工程有限公司正式揭牌开业，标志着海螺创业和川崎重工的合作迈上新台阶。

Shanghai Conch Kawasaki Engineering Co., Ltd. (SCKE) has opened officially, marking a new level of cooperation between Conch Venture and Kawasaki Heavy Industry.

2015

增资控股西安尧柏环保科技工程有限公司，成功拓展利用水泥窑协同处置固废危废业务。

Increased capital to be a majority shareholder of Xi'an Yaobai Environmental Protection Technology Engineering Co., Ltd., expanded the business of co-processing solid waste & hazardous waste in cement kiln successfully.

2014

签约首个炉排炉生活垃圾焚烧发电项目——安徽金寨海创。

Signed the first stoker type waste to energy project - Anhui Jinzhai Conch Venture WtE project.

2019

聚焦垃圾发电和工业固废处置业务，首次提出“**双轮驱动**”发展模式。

Focused on waste to energy and industrial solid waste & hazardous waste disposal business, proposed the "Dual Wheel Drive" development model for the first time.

2020

首次荣登《福布斯》2020年全球企业2000强榜单，位列第**1500**名。

Listed for the first time in Forbes 2020 Global Enterprise 2000 list, ranked 1500th.

2021

1月12日收盘**40.55**港币，总市值突破**730**亿港元大关。

On January 12th, closed at HKD 40.55, with a total market value exceeding HKD 73 billion.

连续五年荣登中国上市公司市值500强榜单，位列第**355**名。

Listed in Top 500 Chinese Listed Companies by Market Value for five consecutive years, ranked 355th.

与芜湖市经开区管委会签署《年产50万吨磷酸铁锂正极材料项目投资协议》。

Signed the Investment Agreement for the 500,000 t/a Lithium Iron Phosphate Cathode Materials Project with the Economic Development Zone Management Committee of Wuhu City.

落地建成“中国首创、世界领先”的中国首台套CKB锂电池回收利用项目。

Completed the first CKB Lithium Battery Recycling Project in China, which is the China's First and World Leading project.

2023

海创循环新能源材料资源化循环利用（海创CKB优化提升改造）项目开工，形成“**环保+新能源**”产业新引擎。

New Energy Material Resource Recycling and Utilization (Conch Venture CKB Optimizing and Upgrading Modification) Project of Conch Venture Recycling Technology Co., Ltd. started, forging a new engine for the "Environmental Protection + New Energy" industry.

2022

炉排炉垃圾焚烧发电项目数量突破**100**个，年处理量突破**2000**万吨。

The number of stoker type waste to energy projects exceeded 100 sets, and the annual disposal capacity exceeded 20 million tons.

工业固废处置板块海螺环保（股票代码：00587.HK）在香港主板上市。

The industrial solid waste and hazardous waste disposal sector, Conch Environmental Protection (stock code: 00587.HK), was listed on the main board of the Hong Kong Stock Exchange.

与尚纬股份合作投建新能源西南制造基地项目。

Collaborated with Sunway Co., Ltd. to invest and build the new energy southwest manufacturing base project.



海螺创业上市十周年

行远十载 聚势而升

炉排炉生活垃圾焚烧发电

公司结合中国国情和现实情况，引进日本川崎先进工艺，主要针对无水泥厂地区研发出炉排炉生活垃圾焚烧发电技术。该技术能彻底降解二噁英，全程封闭处理、无臭气扩散，垃圾无需分拣，无需添加燃料，发电量高，选址无特殊要求。公司结合不同规模城乡垃圾处理需要，已开发出系列应用技术，日处理能力从100吨到800吨。

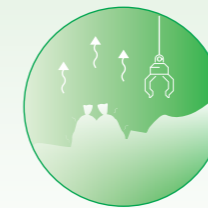
Stoker Type Waste to Energy

The Company introduced advanced technology from Kawasaki, Japan and researched and developed the stoker type waste to energy technology for the areas without cement plants based on China's national conditions and current situation. This technology can degrade dioxins completely, disposal in a fully sealed area, with no odor diffusion, no need to sort waste, no need to add fuel, high power generation, and no special requirements for site selection. The Company has developed a series of application technologies based on the needs of the urban and rural waste treatment of different scales, with a daily processing capacity from 100 tons to 800 tons.



充分降解
二噁英

Fully degrade
dioxins



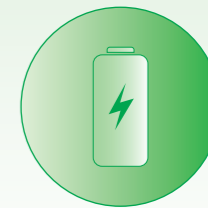
全程密闭
无臭气扩散

Fully enclosed throughout
the process No odor diffusion



垃圾
无需分拣

Garbage does
not require sorting



无需添加燃料
发电量高

No need to add fuel
High power generation



Lujiang

庐江海创

环保业务

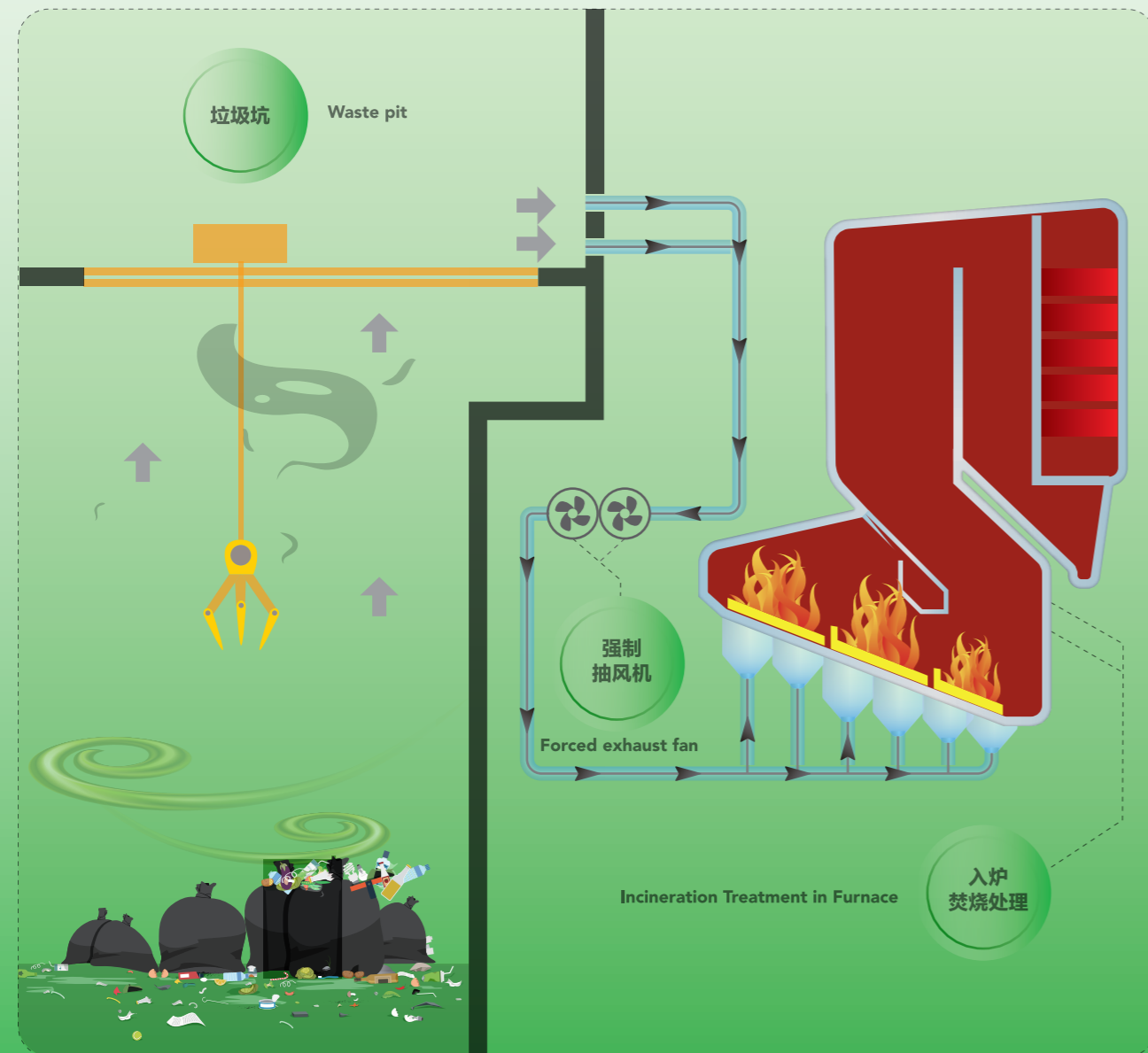
ENVIRONMENTAL PROTECTION
BUSINESS

设备独特 技术优良

公司炉排炉生活垃圾焚烧发电技术针对中国生活垃圾水分高、热值低、成分复杂等特点对川崎重工技术进一步优化设计，具有适应热值范围广、负荷调节能力大、可控性能好和自动化程度高等优势。同时采用SUN或STP型炉排炉，寿命长，维护成本低，飞灰处理量少，适应低热值垃圾。各生产环节由中央控制系统集中控制，系统稳定，自动化程度高。

Unique Equipment, Excellent Technology

The Company further optimized the stoker type waste to energy technology based on Kawasaki Heavy Industry's technology considering the characteristics of high water content, low calorific value, and complex composition of MSW in China. Its advantages include good adaptability to a wide range of calorific values, large load regulation ability, good controllability, and a high level of automation. At the same time, the service time is long, the maintenance cost is low, the disposed fly ash is less, and low calorific value waste can be disposed by using SUN or STP type of stoker. Each production process is under centralized control by a central control system, which is stable and highly automated.

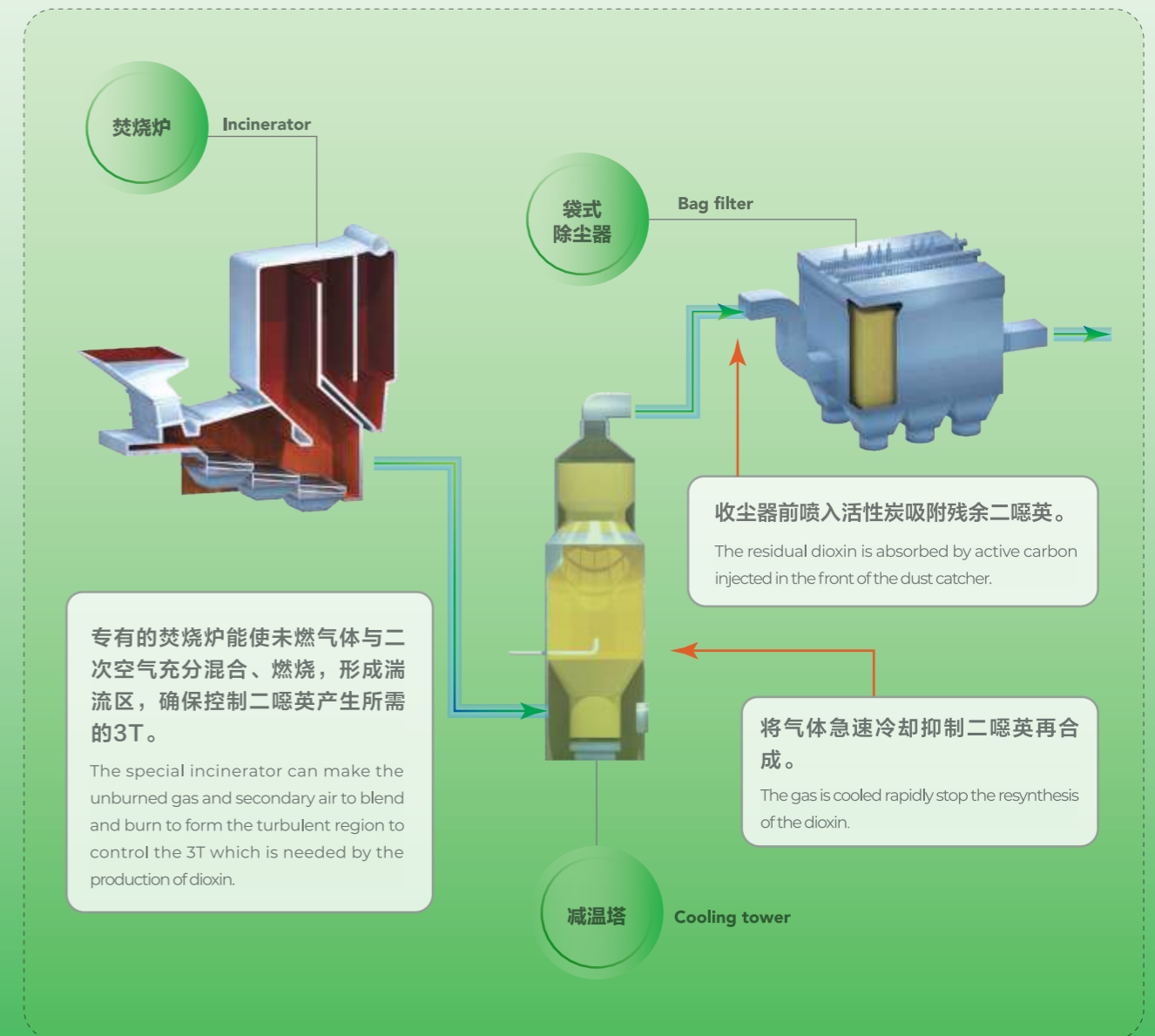


有效控制 高效分解

生活垃圾经搅拌、均化后通过喂料斗进入炉排，采取分段燃烧，燃烧充分彻底，且焚烧产生的高温烟气通过余热锅炉产生蒸汽带动汽轮机发电，真正实现了垃圾处理资源化。厂房和垃圾坑采用全密封结构，库内产生臭气作为助燃气体使用，同时采用低空气比机械焚烧炉、中温次高压余热锅炉和先进的烟气净化工艺，二噁英等主要环保排放指标远低于国际标准。

Effective Control, Efficient Decomposition

After being mixed and homogenized, MSW enters the stoker through the feeding hopper and is burned in stages to achieve complete combustion. The high-temperature flue gas generated by incineration generates steam through a waste heat boiler to drive the steam turbine to generate power, which truly realized the resource utilization of waste treatment. The factory building and waste pits adopt a fully sealed structure, and the odor generated in the pits is used as combustion-supporting gas. At the same time, the low air ratio mechanical incinerator, medium temperature and sub-high pressure waste heat boiler and advanced exhaust gas purification processes are adopted. The main environmental emission indicators such as dioxins are far below international standards.



综合利用 优势明显

垃圾焚烧后产生的飞灰优先利用水泥窑进行无害化处置，无水泥厂的地区可固化稳定后填埋；炉渣通过相应处置可作为建筑材料综合利用；垃圾渗滤液处理后用作冷却水补水，浓缩液入炉烧净，工厂水系统真正做到了循环利用。

Comprehensive Utilization, Obvious Advantages

The fly ash generated after waste incineration is prioritized for harmless disposal via the cement kiln, and can be solidified and stabilized before being landfilled in areas without cement plants. Slag can be comprehensively utilized as building materials through the corresponding treatment. After the leachate is treated, it can be used as the make up water of cooling water, concentrated water sent into the stoker burned. The water system of the plant truly achieves recycling.

环保控制指标先进

Advanced environmental control indicators

序号	项目	单位	中国标准	日本标准	欧盟标准	海创控制指标
No.	Items	Unit	Chinese Standard	Japanese Standard	EU standard	CV standard
1	烟尘 Dust	mg/m ³	20	40	10	<10
2	一氧化碳 Carbon Monoxide	mg/m ³	80	100	50	<50
3	氮氧化物 Nitrogen Oxide	mg/m ³	250	250	200	<200
4	二氧化硫 Sulfur Dioxide	mg/m ³	80	100	50	<50
5	氯化氢 Hydrogen Chloride	mg/m ³	50	(24)	10	<10
6	汞 Mercury	mg/m ³	0.05	(0.03)	-	<0.01
7	镉 Cadmium	mg/m ³	0.1	(1.09)	0.05	<0.05
8	铅 Lead	mg/m ³	1.0	(4.33)	0.5	<0.5
9	二噁英 Dioxin	ngTEQ/m ³	0.1	0.1	0.1	<0.05

示范项目

近年来，公司在实践中不断总结、优化、创新，加大环保理念和企业文化植入，逐步实现了由建设外观单一的第一代产品向多元化、去工业化、具有地方特色的第四代建筑外观过渡，践行打造绿色发展环保示范工程的理念。

Demonstration Projects

In recent years, the Company has continuously summarized, optimized, and innovated in practice, increased the implantation of environmental protection concepts and corporate culture. The Company has gradually realized the transition from the first-generation projects with a single building appearance to the fourth-generation projects with diversified, deindustrialized building appearances with local characteristics. The Company practices the concept of building green development environmental protection demonstration projects.



金寨海创 (第一代项目) 昆明海创 (第二代项目) 弋阳海创 (第三代项目)



马鞍山海创 (第四代项目) 无为海创 (第四代项目) 咸阳海创 (第四代项目)



满洲里海创 (第四代项目) Fourth generation projects Manzhouli

Anhui Conch Kawasaki Energy Conservation
Equipment Manufacturing Co., Ltd



安徽海螺川崎节能设备制造有限公司

节能环保核心装备研发制造

公司拥有大型节能环保技术研发、设备生产制造基地，主要从事余热发电锅炉、高效节能立磨、垃圾焚烧处理、工业固废危废处理等节能环保设备的开发与制造，以及CKB废旧锂电池资源化绿色循环利用技术设备成套业务，能提供项目的投资、设计、装备成套、建设、运营管理一体化服务，产品推广至全国及海外日本、韩国、土耳其、巴西、坦桑尼亚等十几个国家。其中水泥低温余热发电技术被国家发改委列为中国“十大重点节能工程”之一。

Research & Development and Manufacturing of Energy-Saving and Environmental Protection Core Equipment

The Company has a large base for energy-saving and environmental protection technology research & development, and equipment manufacturing. It is mainly engaged in the development and manufacturing of energy-saving and environmental protection equipment such as waste heat recovery boiler, high-efficiency energy-saving vertical mill, waste incineration equipment, industrial solid waste & hazardous waste disposal equipment, and the equipment supply for spent lithium battery recycling technology (CKB). The Company can provide integrated services of project investment, engineering and design, equipment supply, construction, operation and management. The Company's products are promoted nationwide with more than ten overseas countries, including Japan, South Korea, Turkey, Brazil, Tanzania, etc. The low-temperature waste heat recovery technology in cement plant has been listed as one of China's "Top Ten Key Energy Conservation Projects" by the National Development and Reform Commission.

新能源材料业务

NEW ENERGY MATERIAL BUSINESS

磷酸铁锂正极材料

为抢抓新能源产业发展机遇，公司迅速切入锂电上游磷酸铁锂（LFP）正极材料产业赛道，在安徽省芜湖市江北新兴产业集中区成立安徽海创新能源材料有限公司，该公司是一家致力于锂离子电池正极核心材料的研发、生产和销售为主的新能源材料科技企业。项目总体规划建设年产50万吨磷酸铁锂（LFP）正极材料项目，用地约1100亩，预计总投资约150亿元。其中，项目一期已规划建设5万吨，投资约15亿元，2022年9月28日投料运行。

LFP Cathode Material

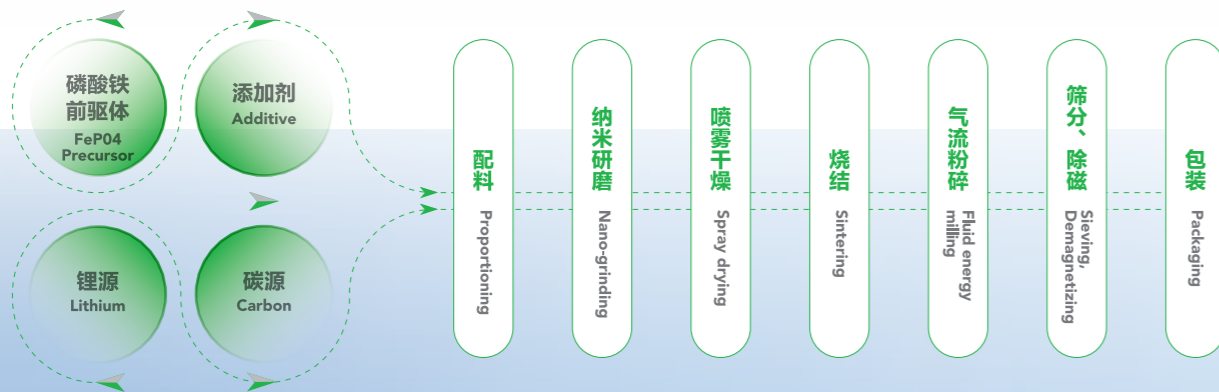
To seize the opportunity of the development of the new energy industry, the Company quickly entered the industry of lithium ferrous phosphate (LFP) cathode material, the upstream of lithium batteries. Anhui Conch Venture New Energy Materials Co., Ltd. was established in the Jiangbei Emerging Industrial area in Wuhu City, Anhui Province. It is a new energy material technology company dedicated mainly to R&D, production, and sales of the core material of lithium-ion battery cathode. The overall planning of the project is to construct an annual production of 500,000 tons LFP Cathode Material. The project covers an area of approximately 1100 mu. The estimated total investment is of approximately CNY 15 billion. The first phase of the project is to produce 50,000 t/a with the investment approximately CNY 1.5 billion. It was put into operation on September 28, 2022.

生产工艺

Production process

公司引进国际先进的磷酸铁锂智能化成套设备，采用独特的纳米化“固相合成法”工艺技术，将磷酸铁、碳酸锂、有机碳源三大主原料制成磷酸铁锂正极材料。

The company introduces internationally advanced intelligent complete equipment for lithium iron phosphate, and adopts a unique nanoparticle "solid-state synthesis method" process technology to produce lithium iron phosphate cathode materials from three main raw materials: iron phosphate, lithium carbonate, and organic carbon source.



主要产品

Main products



High capacity



High compaction



Power battery

CV-6

CV-6为动力型产品，该产品0.1C克容量大于154mAh/g，典型值为158mAh/g，粉体压实大于2.5g/cm³，典型值为2.57g/cm³，该产品主要应用于动力型电池，本产品具有高容量、高压实及加工性能优异等特点。

CV-6 is a power type product with a 0.1C gram capacity greater than 154mAh/g, a typical value of 158mAh/g, and a powder compaction greater than 2.5 g/cm³, with a typical value of 2.57 g/cm³. This product is mainly used in power batteries, with characteristics such as high capacity, high compaction and excellent processing performance.

CV-8

CV-8为储能型产品，该产品0.1C克容量大于157mAh/g，典型值为158.5mAh/g，粉体压实大于2.4g/cm³，典型值为2.45g/cm³，该产品主要应用于储能型电池，具有高容量、长循环及加工性能优异等特点。

CV-8 is an energy storage product with a 0.1C gram capacity greater than 157mAh/g, a typical value of 158.5mAh/g, and a powder compaction greater than 2.4 g/cm³, with a typical value of 2.45g/cm³. This product is mainly used in energy storage batteries, with characteristics such as high capacity, long cycle and excellent processing performance.



Long cycle



High capacity



Energy storage battery



动力储能负极材料

公司与全国特种电缆行业龙头企业—尚纬股份在四川省乐山市高新技术开发区合作成立四川海创尚纬新能源科技有限公司，该公司是一家致力于打造行业领先水平动力储能电池负极材料生产研发与销售一体化的新能源科技企业。项目总体规划年产20万吨动力储能电池负极材料，首期年产5万吨，预计投资20亿元。公司将依托各方优势，以技术创新为驱动，优化新能源产业战略布局，努力打造成为提供新能源材料解决方案的“智造商”。

Anode Material for Power Energy Storage

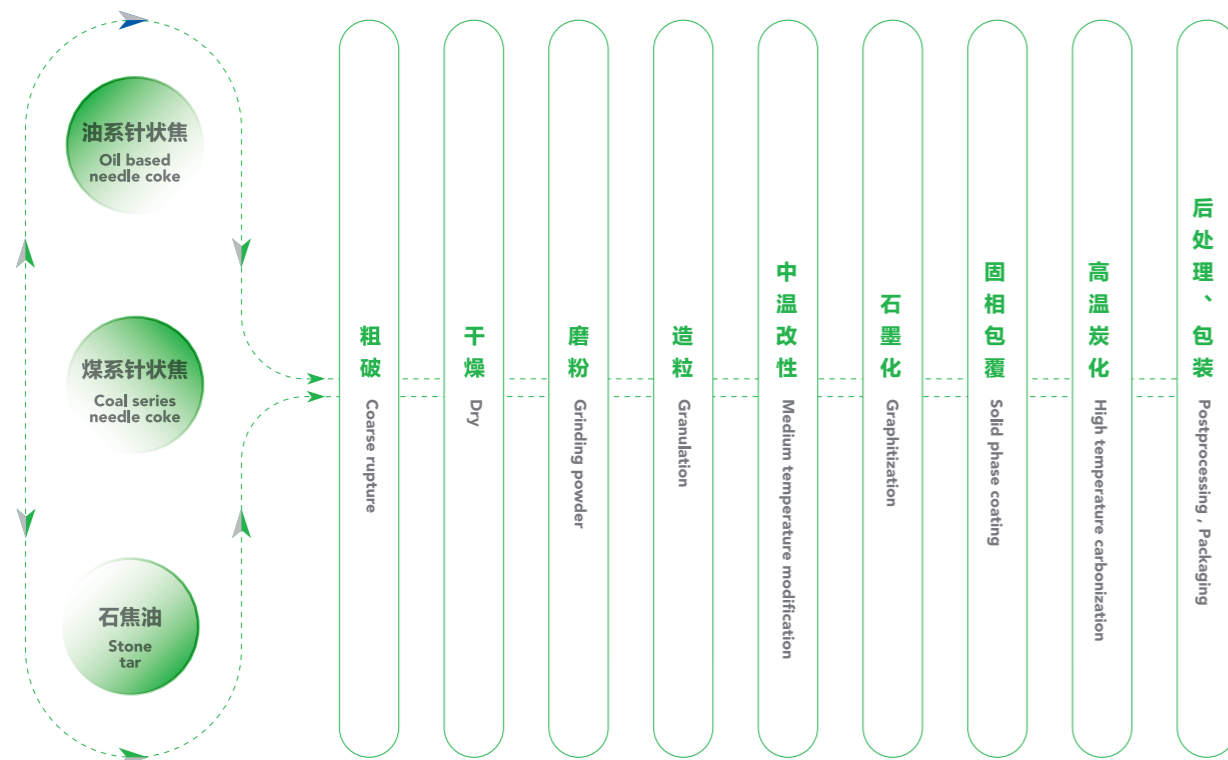
The Company and the national leading enterprise in the special cable industry— Sunway Co., Ltd. established Sichuan Conch Venture Sunway New Energy Technology Co., Ltd, in the High Tech Development Zone of Leshan City, Sichuan province. It is a new energy technology company dedicated to creating an industry-leading level of power storage battery anode material production, R&D and sales. The overall plan of the project is to produce 200,000 t/a power storage battery anode material. The first phase is 50,000 t/a with an estimated investment of CNY 2 billion. The company will rely on the advantages of all parties, driven by technological innovation, optimize the strategic layout of the new energy industry, and strive to become an "Intelligent Manufacturer" providing new energy material solutions.

生产工艺

Production process

公司对标行业一流企业，采用国际领先的炭化炉技术及高效改进的石墨化炉和工艺，主要设备采用先进的三代改进型反应釜，产品质量稳定，倍率提高、循环增加。

The company benchmarks against the industry-leading enterprises , uses the world's leading carbonization furnace technology and efficient improvement of graphitization furnace and process, the main equipment uses advanced three generations of improved reactor, product quality is stable, the ratio is increased, and the cycle is increased.



主要产品

Main products

MHG1

单颗粒产品，原料为煨前石油焦，该产品容量为340–350mAh/g，极片压实密度为1.50–1.60g/cm³，主要应用于动力类和储能类锂离子电池，属于中低端产品。

Single particle product, the raw material is pre calcined petroleum coke, the product capacity is 340-350mAh/g, and the electrode compaction density is 1.50-1.60g/cm³. It is mainly used in power and energy storage lithium-ion batteries, and belongs to medium and low-end products.

MHG2

团聚造粒产品，原料为煨前煤系针状焦，该产品容量为350–355mAh/g，极片压实密度为1.60–1.70g/cm³，适用于兼具高容量、长循环、低膨胀三大优点的升级版动力类锂离子电池，属于中高端产品。

Agglomeration granulation product, made from pre calcined coal based needle coke. The product has a capacity of 350-355mAh/g and a compaction density of 1.60-1.70g/cm³. It is suitable for upgraded power lithium-ion batteries that have the advantages of high capacity, long cycle, and low expansion, and is a mid to high-end product.

MHG3

团聚造粒并碳包覆产品，原料为更易石墨化的煨前石油系针状焦，该产品容量为352–355mAh/g，极片压实密度为1.50–1.60g/cm³，适用于高容量、长循环、低膨胀、耐低温、可快充的高端动力类及数码类锂离子电池，属于高端产品。

Agglomeration granulation and carbon coating products are made from pre calcined petroleum needle coke, which is more easily graphitized. The product has a capacity of 352-355mAh/g and a compaction density of 1.50-1.60g/cm³. It is suitable for high-end power and digital lithium-ion batteries with high capacity, long cycle, low expansion, low temperature resistance, and fast charging. It belongs to high-end products.



新型建材

公司在芜湖市江北集中区和亳州市亳芜现代产业园分别投资成立安徽海创新型节能建筑材料有限责任公司、亳州海创新型节能建筑材料有限责任公司，建设新型节能材料产业园，开展纤维水泥板等新型绿色建材产品的制造和销售。

New Building Materials

The Company invested and established Anhui Conch Venture New Energy-saving Building Materials Company Limited and Bozhou Conch Venture New Energy-saving Building Materials Company Limited in Jiangbei Industrial Clusters of Wuhu City and and Bowu Modern Industrial Park of Bozhou City, respectively, to build new energy-saving materials industrial zones and carry out the manufacture and sales of new green building materials such as fiber cement boards.



外墙应用

External wall application

屋面应用

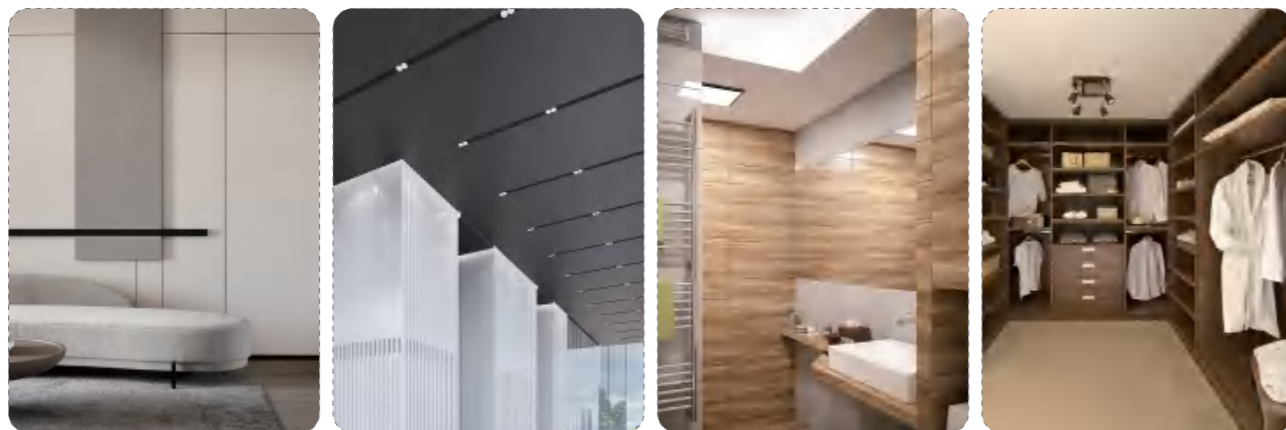
Roof applications

楼板应用

Floor application

隔墙应用

Partition application



装饰墙应用

Decorative wall application

吊顶应用

Ceiling application

厨卫衬板应用

Kitchen and bathroom applications

家具应用

Furniture Applications



循环业务

RECYCLING BUSINESS

锂电池资源化循环利用

公司在新技术、新业态、新时代的感召下，响应国家“双碳”战略，联合日本川崎重工，在安徽芜湖共同开发CKB锂电池回收利用中试项目，开创了世界首台套焙烧工艺处置废旧锂电池的先河。该项目通过利用水泥窑余热烟气实现废旧锂电池的安全破碎和分离，使废旧锂电池中锂、铜、铁、铝等有价值金属得到充分回收利用。后续，公司将积极延伸新能源电池资源化利用上下游产业链，在主要市场布局新能源电池回收服务网点，并规划集中建设后端冶炼提取中心项目，构建具有海创特色的新能源电池回收、利用的完整产业链，打造国内循环经济头部企业。预计到2032年底，项目总规模超过100万吨/年。

Lithium Battery Resource Recycling

Under the inspiration of new technology, new industry and new era, the Company responds to the national "Double Carbon" strategy and jointly developed CKB lithium battery recycling pilot project in Wuhu, Anhui province with Japan Kawasaki Heavy Industries, creating the world's first set of calcinating process for the disposal of spent lithium batteries. The project realizes the safe breaking and separation of the spent lithium battery by using the exhaust gas from the cement kilns and realizes the full recycling of valuable metals such as lithium, copper, iron, and aluminum in the waste lithium battery. Subsequently, the Company will actively extend the upstream and downstream industrial chain of new energy battery resource utilization, lay out new energy battery recycling service outlets in major markets, and plan to focus on constructing the back-end smelting and extraction center project to build a complete industrial supply chain of new energy battery recycling and utilization with Conch Venture's characteristics and create a leading domestic circular economy enterprise. The total project scale will exceed one million t/a expected by the end of 2032.

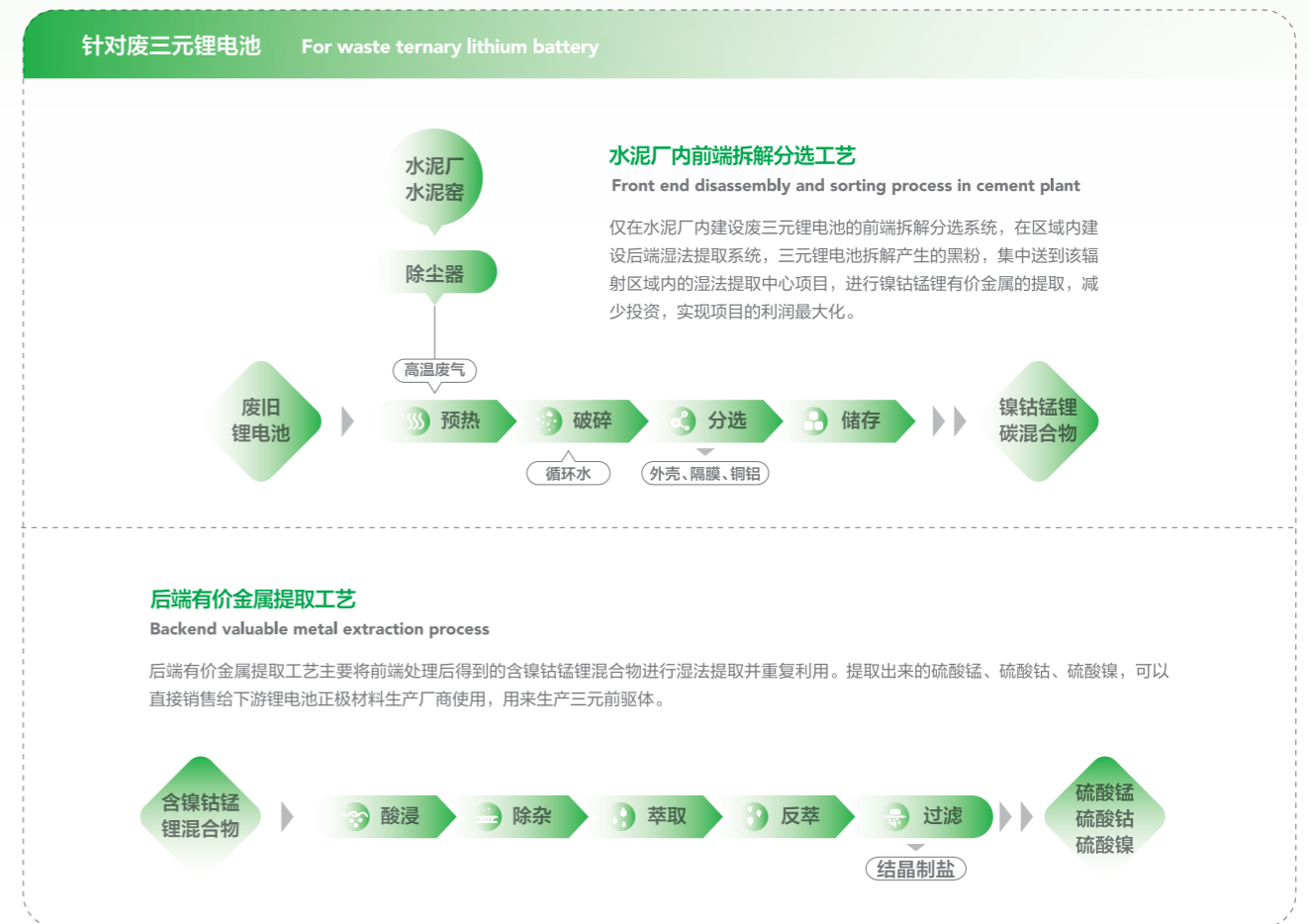


芜湖海创循环新能源材料资源化循环利用项目

Aerial View of New Energy Material Resource Recycling and Utilization Project of Wuhu CV Recycling

生产工艺

Production process



技术优势

Technical Advantages

安全高效

Safe and Efficient

相比较国内传统工艺，CKB项目前端无需浸泡放电或人工拆解，可从根本上规避环境污染及电池拆解过程中的燃烧或爆炸风险。

Compared to the traditional process in China, the front-end of CKB project does not require immersion discharge or manual disassembly, which can fundamentally avoid environmental pollution and the risk of combustion or explosion during battery disassembly.

环保优势明显

Obvious Environmental Advantages

相比较传统湿法，CKB全流程不使用任何化学药剂，项目产生的废气可经水泥窑全部无害化处理，无新增排放。

Compared to the traditional wet method, the whole process of CKB does not use any chemicals, and the exhaust gas generated by the project can be disposed harmlessly and completely by the cement kiln without additional emissions.

自动化程度高

High Level of Automation

CKB项目从前端废旧锂电池投入到黑粉或碳酸锂产出，全流程自动化控制，无需人工操作。

The CKB project involves automatic control of the entire process from the input of front-end spent lithium batteries to the production of black powder or lithium carbonate, and no need manual operation.

成本优势突出

Outstanding Cost Advantage

CKB工艺利用水泥窑废热对电池进行预热放电，同时预热后的废气送入水泥窑处置，既节约了能源，又减少了尾气处理设备投资和运行成本。

Compared with the traditional burn method, the CKB process uses cement kiln waste heat to preheat and discharge the battery, while the preheated exhaust gas is sent to the cement kiln for disposal. This not only saves energy, but also reduces the investment and operating costs of exhaust gas treatment equipment.

选址方便

Convenient Site Selection

CKB项目占地面积小，可在水泥厂内布置，不涉及强酸强碱，项目无需进化工园区。

The CKB project covers a small area and can be arranged in the cement plant, which does not involve strong acid or alkali. The project does not need to be located at the chemical park.

适应性强

Strong Adaptability

该技术可以处置三元锂电池和磷酸铁锂电池。

The technology can be used for dispose of ternary polymer lithium batteries and LFP batteries.

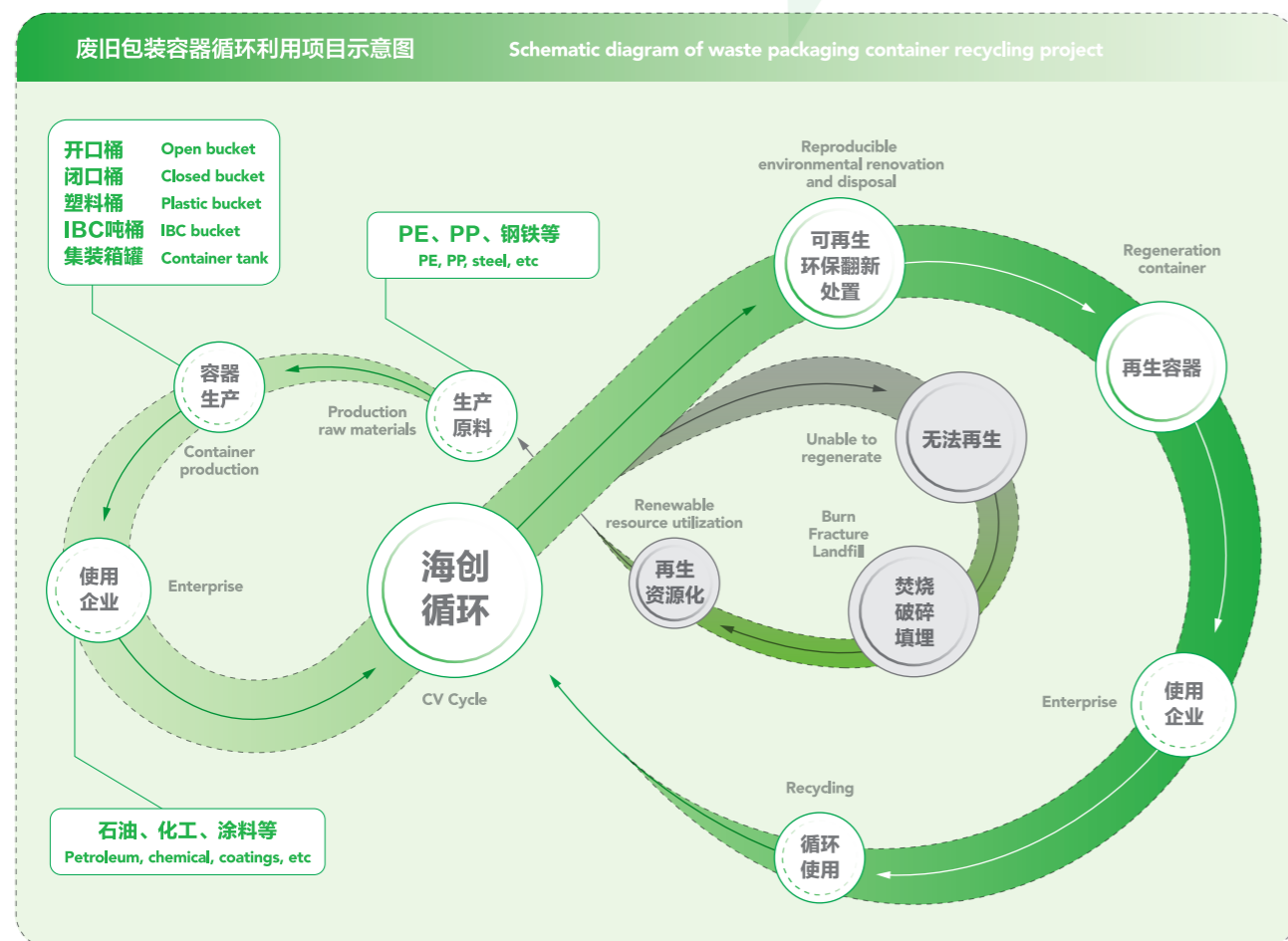


废旧包装容器循环利用

公司积极拓宽“大循环”概念及拓展产业联动，通过并购江苏太仓立日包装容器有限公司，迅速切入包装容器循环再利用行业。立日公司成立于2014年12月，位于江苏省太仓市璜泾工业园。采用日本进口的水性清洗剂，利用全自动生产线实现废旧包装容器修复、再生（翻新），目前是亚太地区规模最大及技术领先的容器处置及翻新企业之一，同时是世界再生包装联合会中国首个会员单位。公司将以太仓立日核心技术为基础，通过资本、市场、技术的有效耦合，争取未来3-5年在全国范围内建成10个以上生产基地，年处置总规模达到3000万只以上，以规模化建立再生桶行业标准，成为全国再生桶行业领军企业，为我国低碳环保事业作出贡献。

Recycling of Waste Packaging Containers

The Company actively broadens the concept of “Big Recycling” and expands the industrial linkage, and merged Jiangsu Taicang LIRI Packaging Container Co., Ltd., to quickly enter the packaging container recycling industry. LIRI Company was established in December 2014, located at Huangjing Industrial Park, Taicang City, Jiangsu Province. It adopts water-based cleaning agents imported from Japan and uses fully automatic production line to achieve the repair and regeneration (refurbishment) of waste packaging containers. It is one of the largest and technology leading company in the Asia-Pacific currently. It is also the first Chinese member unit of the World Recycled Packaging Federation. Based on Taicang LIRI's core technology, the Company will strive to establish more than 10 production bases nationwide in the next 3-5 years through effective bonding of capital, market and technology, with an annual treatment capacity of over 30 million units. By establishing a standard for the recycling drum industry on a large scale, the Company will become a leading enterprise in the national recycling drum industry and contribute to China's low-carbon environmental protection industry.



公司位于江苏省扬州市江都经济开发区，拥有3个5万吨级（水工结构兼顾7万吨级）的深水泊位和4个5千吨内港池泊位，拥有深水岸线1200米，后方陆域建设34万平方米堆场，静态存储可达到100余万吨，年吞吐量达3300万吨，主要为社会各类企业提供煤炭、铁矿石、砂石等装卸中转、仓储服务，立足江苏，辐射安徽、江西、湖南、湖北、重庆等省市，为长江中上游电厂、钢厂、建材厂等大型企业提供物流中转通道，在地方经济发展中发挥重要作用。目前已成为长江干线最大的专业煤炭中转港口之一。

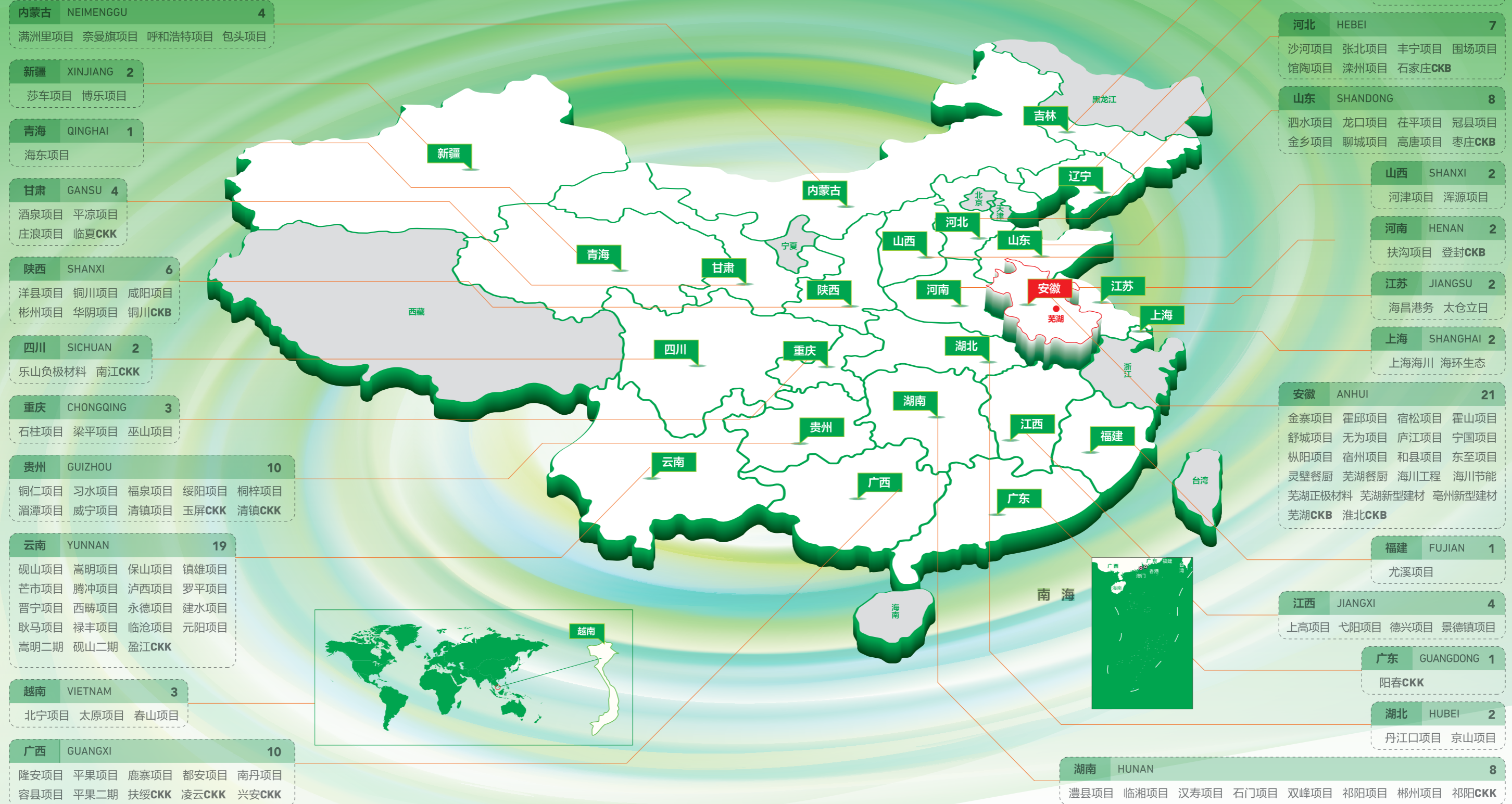
The Company is located in Jiangdu Economic Development Zone, Yangzhou city, Jiangsu province, with three 50,000-ton (the hydraulic structure takes 70,000-ton into account) deep-water berths and four berths for 5,000-ton inner harbor pools. It has a deep-water shoreline of 1200 meters and 340,000 square meters of yard in the rear land area. Its static storage capacity achieves more than one million tons and the annual throughput reaches 33 million tons. It mainly provides the loading, transit, and warehousing of coal, iron ore, and sandstones for all kinds of enterprises. It is based in Jiangsu and its business covers Anhui, Jiangxi, Hunan, Hubei, Chongqing and other provinces and cities. It provides logistics transit channels for the large enterprises such as power plants, steel plants and building material factories in the middle and upper reaches of Yangtze River and plays an important role in local economic development. At present, it has become one of the largest professional coal transit ports on the Yangtze River trunk line.



港口物流业务
PORT LOGISTICS BUSINESS

海螺创业项目分布图

Project Distribution Map of Conch Venture



公司拥有垃圾发电项目101个，签约规模2388.93万吨/年；投产规模1443.58万吨/年，签约数量位居全国第二，签约规模位居全国第五；拥有新能源材料资源化循环利用项目6个，签约规模为13.5万吨/年；在安徽芜湖、四川乐山拥有锂电池正负极材料制造项目，与垃圾发电板块一同形成“环保+新能源”双引擎驱动的新发展格局。（数据截至2023年5月）

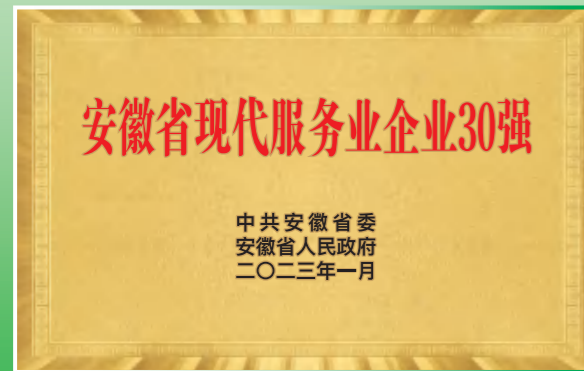
The Company has 101 waste to energy projects with a contracted capacity of 23.8893 million t/a; The capacity put into operation is 14.4358 million t/a. Ranking second in China in terms of the number of contracts signed and the fifth in terms of the contracted capacity in China; It has six new energy material recycling projects, with contracted capacity of 135,000 t/a; it has cathode material and anode material of lithium battery manufacturing projects in Wuhu, Anhui and Leshan, Sichuan, forming a new development pattern driven by 'Environmental Protection + New Energy' dual engines together with the Waste to Energy. (Data as of May 2023)

荣誉表彰

公司致力于推动社会、经济、环境的协调可持续发展，凭借出色的业绩表现和发展潜力，在促进地方经济发展及生态文明建设等方面均取得可喜的成绩，得到社会各界的广泛认可。

Honorary and Recognition

The Company is committed to promoting the coordinated and sustainable development of society, economy and environment. With its outstanding performance and development potential, the Company has made gratifying achievement in local economic development and ecological civilization construction and has received extensive recognition from all sectors of society.



2022安徽省现代服务业企业30强

Top 30 Modern Service Industry Enterprises in Anhui Province in 2022



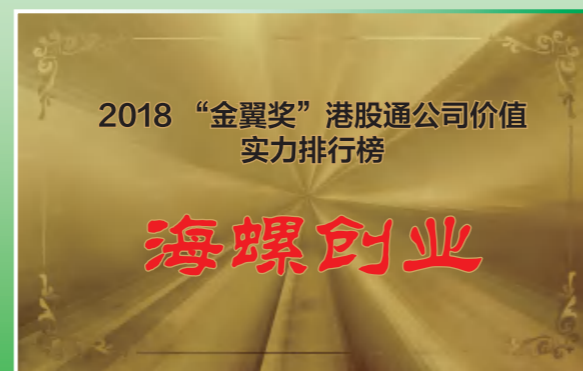
2021安徽工经联第四届理事会副会长单位

2021 Vice President Unit of the Fourth Council of Anhui Federation of Industry and Economics



2020中国战略性新兴产业环保产业领军企业

2020 Leading Enterprise in China's Strategic Emerging Environmental Protection Industry



2018“金翼奖”港股通公司价值实力排行榜

2018 "Golden Wing Award" Hong Kong Stock Connect Company Value Strength Ranking



吴邦国题词“循环经济，大有可为”

Wu Bangguo wrote an inscription "Circular Economy, Great Prospects"



2021年度中国上市企业市值500强第355名

Ranked 355th among the top 500 Chinese listed companies by market value in 2021

2021年度福布斯全球企业2000强榜单第1804名

No. 1,804 on the Forbes Global 2000 List in 2021



The Third Central Environmental Protection Supervision Group highly appreciates the effectiveness of the company's operation and management, and hopes to "replicate" it nationwide

中央第三环保督察组高度赞赏公司运营管理成效，希望在全国范围内“复制”

环保参观 教育基地

公司工厂内部实现可视化，运行、操作全过程透明，信息公开、与国家环保检测联网，项目建成后，主厂房内配有咖啡吧、参观通道、教育展板等，具有宣传培训功能，让群众充分了解技术工艺和先进的环保理念，成为工业旅游点和环保教育基地。

Environmental Protection Tour, Education Base

The Company's factories achieve visualization. The whole process of operation is transparent. The information is public and networking with the national environmental protection inspection. After the projects are completed, the main buildings are equipped with coffee bars, visit channels, education displays, and other publicity and training functions, so that the public can fully understand the technical process and the concept of advanced environmental protection. They become the industrial tourist spots and the environmental protection education bases.



中小學生環保宣傳教育活動

Environmental protection promotion and education activities for primary and secondary school students



開展“雙提升”實踐教學活動

Carry out "Double Improvement" practical teaching activities



公司榮獲“合肥市生態環境教育基地”稱號

The company was awarded the title of "Hefei Ecological Environment Education Base"

回馈社会

海螺创业多年来始终将社会大爱扛在肩上，常伸援助之手，常行感恩之举，结合企业自身优势帮助地方政府和社会排忧解难。海螺创业用实际行动诠释了企业担当，彰显了“海创”责任，让社会变得更加美好！

Giving Back to the Society

Over all those years, Conch Venture has always carried the love of the society on its shoulder, always extended a helping hand, always performed acts of gratitude, and combined with the Company's own advantages to help local governments and society solve the problems. Conch Venture has interpreted the responsibility of the enterprise with practical actions, highlight the responsibility of Conch Venture and makes the society better!



抗击疫情 驰援上海

Fight against the epidemic and support Shanghai



集中销毁假冒伪劣卷烟

Centralized destruction of counterfeit and inferior cigarettes



助力乡村振兴

Assist in rural revitalization



“3·15”集中销毁假冒伪劣商品

"3.15" Concentrated Destruction of Counterfeit and Inferior Commodities

未来展望

未来，我们将继续专注于节能环保新材料产业的发展，深挖环保细分领域，抓住国家大力发展新能源产业重要机遇期，积极布局新能源材料及“大循环”产业，实现新的发展跨越，为人类未来创造美好家园！

Future Outlook

In the future, we will continue to focus on the development of energy conservation and environmental protection new material industries, dig deeper into the subdivided fields of environmental protection, seize the important opportunity of national vigorous development of new energy industry, actively lay out in the new energy materials and “Big Recycling” industry, make new strides in the Company’s development, and create a better home for the future of mankind!

高质量推进垃圾处置新一轮产业发展

聚焦垃圾处置业务的细分领域，积极开展行业并购，紧抓国家绿色发展机遇，谋求业务转型升级。聚力打造中国第一、世界领先的大型综合环保企业集团。

大力发展新能源材料板块，铸就发展新动力

公司将充分发挥资源优势、市场优势，加快推进锂电池正负极材料项目建设。组建省级及以上技术研发中心，占领行业技术制高点。努力实现“三年行业前五、五年行业前三”的奋斗目标。

做好“大循环”文章，加速发展转型升级

加快产业链协同步伐，构建全国新能源动力电池回收服务网络，打造新能源动力电池循环产业闭环。不断寻找有盈利、有市场、有潜力的循环利用企业交流与合作，加快项目发展布局，延伸公司“大循环”产业链。

聚焦“双碳”领域，推动业务创新

紧抓国家产业升级转型、发展机遇，寻求“双碳”新技术研发落地，不断拓展环保业务。

High Quality Promoting a New Round of Industrial Development of Waste Disposal

Focus on the subdivided fields of waste treatment business, actively carry out industry mergers and acquisitions, seize the opportunities of national green development, seek business transformation and upgrading, and concentrate on building China’s first and world’s leading large-scale comprehensive environmental protection enterprise group.

Vigorously Develop the New Energy Materials Business and Forge New Power for Development

The Company will give full play to its resource advantages and market advantages to accelerate the construction of cathode material and anode material of lithium battery manufacturing projects, establish technology R&D centers of provincial-level and above to occupy the commanding heights of industry technology. The Company will strive to achieve the goal of “Top Five in the Industry in Three Years and Top Three in the Industry in Five Years.”

Do a Good Job in the “Big Recycling” , Accelerate the Development of Transformation and Upgrading

Accelerate the pace of industrial chain coordination, build a national new energy power battery recycling service network, and create a closed loop of new energy power battery recycling industry, continuously look for profitable, marketable, and potential recycling enterprises to communicate and cooperate, accelerate the development layout of projects, and extend the Company’s “Big Recycling” industrial chain.

Focus on the “Double Carbon” Field and Promote Business Innovation

Seize the opportunities of national industrial upgrading, transformation and development, seek to develop new technologies of “Double Carbon” and continuously expand the environmental protection business.



破千亿

新能源材料产业年营收

The annual revenue of new energy materials industry exceeds CNY 100 billion

全国第一

垃圾处置项目数量

Rank first in terms of the quantity of waste disposal projects in China

超百万

循环产业规模

The capacity of the recycling industry exceeds one million t/a