REPT BATTERO

REPT BATTERO

COMPANY INTRODUCTION

2026| REPT Energy,
Driving a Sustainable Future.

REPT BATTERO

CONTENTS

REPT BATTERO

GROUP INTRODUCTION 01

Refining Stainless Steel for a Century,
Building a Green Future

Tsingshan Holding Group - A Fortune Global 500 Company

TSINGSHAN INDUSTRY INTRODUCTION

REPT BATTERO

Main Business Areas

New Energy Battery Research and Manufacturing

Nickel and Lithium Mines R&D and Production

Stainless Steel Manufacturing and Trade

Ranked 11th

China's Top 500 Private Enterprises in the Manufacturing Industry

Ranked 247th

on the 2025 Fortune Global 500 List

Group Structure

永青科技集团 YONGQING TECHNOLOGY GROUP

永青集团 ETERNAL TSINGSHAN GROUP CO.,LTD

青拓集团 TSINGTUO GROUP

青山控股 TSINGSHAN

上海鼎信投资(集团)有限公司 SHANGHAI DECENT INVESTMENT (GROUP) CO., LTD.

Development History

1988年
Company founded

1992年
Entered the stainless steel industry

2003年
Formed Tsingshan Holding Group

2009年
Invested in mining operations in Indonesia

2018年
Became the world's largest nickel producer and fully integrated the upstream and downstream sectors of new energy lithium batteries

NEW ENERGY INDUSTRY CHAIN

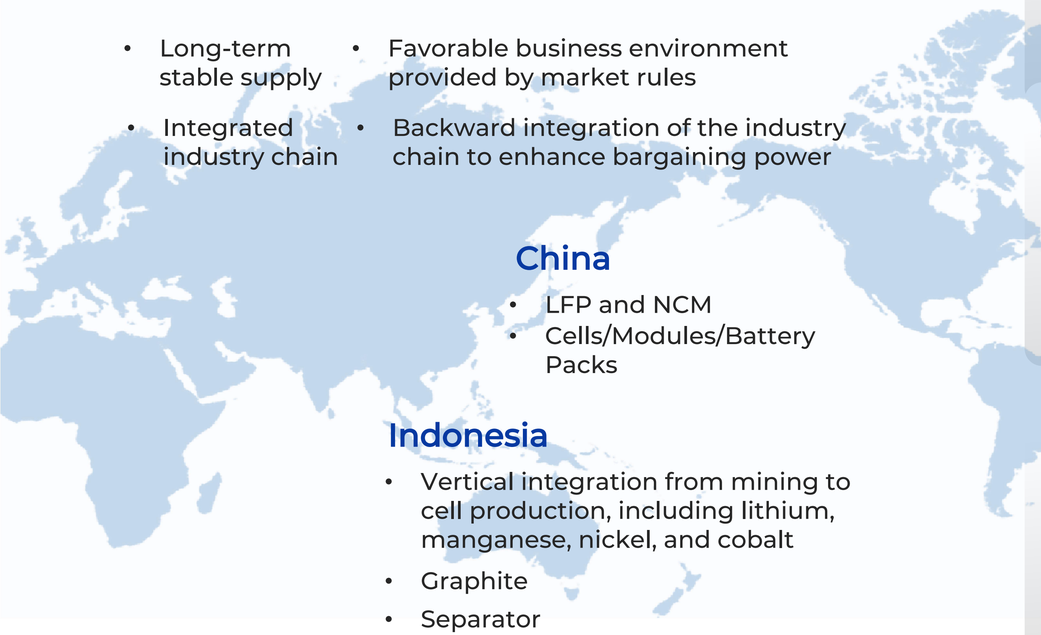
REPT BATTERO

Rapid Expansion of the Industry Chain

Tsingshan Group plans to expand across multiple segments of the lithium battery value chain through direct holdings or equity investments.

Resource Integration and Synergy

- Long-term stable supply
- Favorable business environment provided by market rules
- Integrated industry chain
- Backward integration of the industry chain to enhance bargaining power



China

- LFP and NCM
- Cells/Modules/Battery Packs

Indonesia

- Vertical integration from mining to cell production, including lithium, manganese, nickel, and cobalt
- Graphite
- Separator
- Lithium hydroxide

Ni

> 9 million tons of nickel metal reserves

25% global market share

Annual production of 880,000 tons of nickel metal products

Including 60,000 tons of battery-grade nickel sulfate

Co

Annual production of 30,000 tons of battery-grade cobalt sulfate

Indonesia hydrometallurgical refining projects

C

Annual production of 20,000 tons of AG Artificial Graphite

Collaborate with Chinese graphite manufacturers and apply Indonesian coke materials

Partner

Lopal 龙蟠科技

antam

GEM

BTR Better our world

CNGR 中伟

eraMET

HUAYOU

邦普循环 BRUNP RECYCLING

伟明环保 WEIMING ENVIRONMENT

CMOC 洛阳钼业

HANWA

盛新锂能 CHENGXIN LITHIUM

REPT BATTERO

COMPANY INTRODUCTION 02

Leading the Future, Anchored in Safety

REPT BATTERO Energy Co., Ltd.

DEVELOPMENT HISTORY

REPT BATTERO

2017

- **REPT BATTERO Energy was established**
- Construction of the Wenzhou manufacturing base commenced

2018

- The 3GWh production line at the Wenzhou base was officially put into operation

2019

- Mass delivery of ternary lithium batteries for electric passenger vehicles
- Entered the Dongfeng Passenger Vehicle

2020

- **Construction of the Jiashan manufacturing base commence**
- High-energy-density LFP batteries delivered to SAIC-GM-Wuling Automobile

2021

- Secured sentinel procurement from the PSA-O2C project
- Officially entered the international power battery market
- Phase II of the Wenzhou base officially began production

2022

- Globally launched the "Wending Battery"
- Signed a contract for the 20 GWh production base in Liuzhou
- Phase III construction of the Wenzhou base commenced
- Annual sales revenue exceeded CNY 10 billion

2023

HK 00666

- **REPT BATTERO's European subsidiary officially launched**
- Awarded the 2022 National Green Factory title
- Joined the Global Battery Alliance (GBA)
- **Successfully listed on the Hong Kong Stock Exchange**
- The second - phase line of Jiashan is in operation and the third - phase project has commenced Liuzhou base project began production
- Signed the Chongqing production base project

2024

- **REPT BATTERO's North American subsidiary officially launched**
- REPT BATTERO Yangtze River Delta Research Institute established
- Recognized as a BloombergNEF (BNEF) Tier 1 Global Manufacturer for four consecutive years
- Recognition as a Global Tier-1 Manufacturer

2025

- **REPT BATTERO ranked first globally in the shipment volume of household energy storage cells in the first half of 2025.**
- REPT BATTERO ranked second nationwide in the installed capacity of new energy heavy-duty truck batteries in the first half of 2025.

REPT BATTERO

Experts in New Energy Power and Energy Storage Battery

REPT BATTERO Energy Co., Ltd., established in 2017, is the first enterprise in the new energy sector under Tsingshan Industry's strategic expansion. We are primarily engaged in the research, development, production, and sales of lithium-ion batteries, providing solutions for new energy vehicle power and smart energy storage, working alongside our customers to accelerate the global transition to green energy.

17.7 Billion Yuan

2024 Sales Revenue

Tier1

Bloomberg New Energy Finance Tier 1 Energy Storage Manufacturer

NO.1

Classifica Mondiale delle Spedizioni di Celle di Accumulo di Energia Residenziale, 2025

NO.5

Classifica Mondiale delle Spedizioni di Celle di Accumulo di Energia, 2025

NO.7

Classifica Nazionale delle Montaggi di Batterie a Propulsione LFP, 2025

REPT BATTERO

R&D CAPABILITY

03

Through continuous innovation in materials, processes, structures, manufacturing techniques, and business models, we provide customers with unique and differentiated solutions, jointly advancing the industry and creating a better future.

R&D CAPABILITY

REPT BATTERO

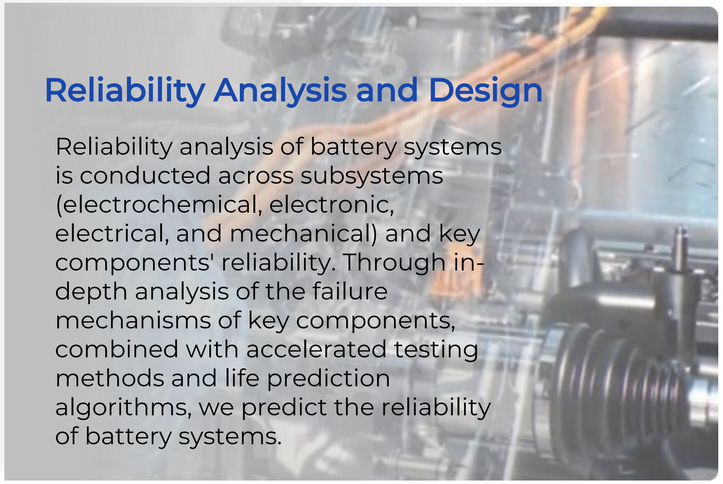
We integrate standard development/product certification, functionality, performance, safety, and reliability testing and predictive analysis to offer customers the ultimate quality and safety solutions

Testing and Validation Center

We possess comprehensive testing and validation capabilities across all levels, from raw materials, key components, modules, and battery packs, to end-use systems. We are certified with CNAS/ISO17025 and IATF16949 qualifications.

Reliability Analysis and Design

Reliability analysis of battery systems is conducted across subsystems (electrochemical, electronic, electrical, and mechanical) and key components' reliability. Through in-depth analysis of the failure mechanisms of key components, combined with accelerated testing methods and life prediction algorithms, we predict the reliability of battery systems.



Safety Analysis and Design

Safety is the core competitive edge of REPT BATTERO products, with a commitment to achieving zero safety incidents. By accurately identifying and assessing safety risks, and incorporating advanced safety technologies, we ensure that products are always reliable and secure.

Standards and Certifications

We ensure our product solutions comply with regional standards and certification requirements, while actively contributing to and leading the development of industry standards.

Over 100 overseas product certifications

Core Competence - Top-tier Technology Center

REPT BATTERO

The hardware configuration and capabilities of our technology center fully meet standard requirements and address the needs of customers in sectors such as automotive and energy storage.

Continuous Investment in R&D

- 3 — R&D Base
- 300million+ — Equipment Investment
- 30,000m² — Building Area
- 2,500+ — Equipment Units

Standards and Patents

- 4,050+ — Global Patent Applications
- 2,480+ — Global Patents Granted
- 950+ — Invention Patent Applications
- 120+ — PCT Patent Applications

Advanced Laboratories

- 2021: Certified by China's National CNAS Laboratory Accreditation
- 2022: Obtained RheinTÜV Witness Laboratory Qualification Certificate
- 200+ — Test Projects
- 20,000+ — Test Channels

INTELLIGENT MANUFACTURING

REPT BATTERO

Innovation in Design and Intelligent Manufacturing

Extreme Chip Design

- Multi-dimensional Solid-Liquid Interface Design Technology

  Enhanced the Activity of Dual High Electrode Foil

- Production management

  Utilize the intelligent control system to adjust the equipment parameters according to the production data.

- Quality control and management

  Intelligent manufacturing, quality control and management throughout the whole life cycle, and cross-departmental collaboration mechanism

Extreme Manufacturing

- Powerful Single-Line Manufacturing Capacity

  > 10 GWh Annual Production Capacity

- Ultra-high-speed Automated Production Line

  50PPM Square Aluminum Shell Production Line

- Lean Quality Control

  > 6,000 Control Points & > 1,000 AI Monitoring

Digitalized Intelligent Factory

- Next-generation Zero-Carbon Factory

  Smart Energy Management + Green Power Applications

- AI-driven

  Digital Twin + Advanced Manufacturing Models

- 30 GWh Single Super Factory

  30% Improvement in Space Utilization

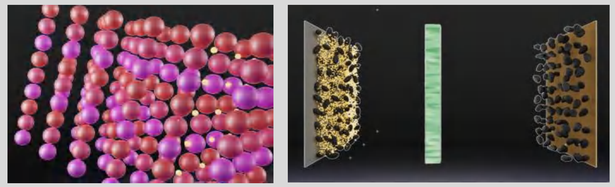
INNOVATIVE TECHNOLOGY

REPT BATTERO

Self-developed Core Technologies for Outstanding Performance

Chenxing Ultra-Fast Charging Battery Technology

Cathode Paves the Way, Speed Starts Here
Homogeneous Doping Lithium-Ion High-Speed Channel Cathode
Anode Regulates the Flow, Connectivity Reaches All
Isotropic Multi-Dimensional Channel Anode

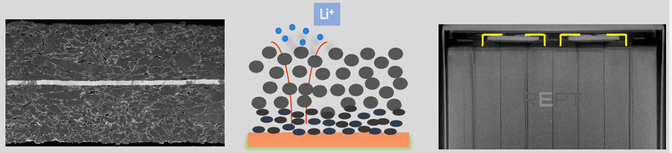


Hybrid 4C Ultra-Fast Charging Battery Technology

Multi-Layer Coating
Multi-Grade Pore Channel
Electrode Design

High Conductivity
Ultra-Fast Transport
Design

High Conductivit
High Volumetric
Utilization Rate



Independently developed CSU (Sampling) module

- Intelligent fast charging strategy
- Cell monitoring and detection
- Optimization of cycle life
- Residual value assessment
- Wireless communication & Cloud Intelligent Management BMS

Meet multiple scenarios

- Passenger vehicles & commercial vehicles & energy storage

Meet the national standards

- It has passed the detection of GBT28046 environmental and electrical standards, and wireless communication is realized inside the battery pack.

Wending Battery Technology

Featuring a Wending cover design and a fully integrated fixed Wending structure, this design enables an integrated connection of the internal cell structure, effectively improving space utilization by over 7%

Internal Utilization Increased by 7%

Ion Migration Rate Increased by 30%

Traditional Structure

Wending Structure

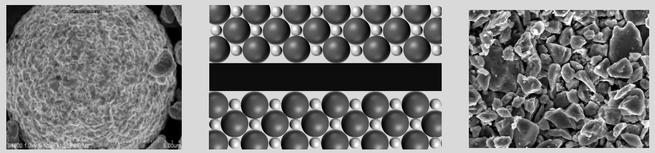
Dual High Solid-Liquid Interface Technology

Novel Solid-Liquid Hybrid Battery Technology

High-Nickel Cathode
Solid-State Coating

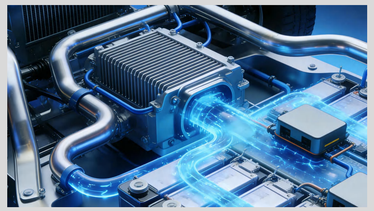
Cathode Main Material
Fast Ion Transport

Low Swelling
Silicon-Carbon Anode



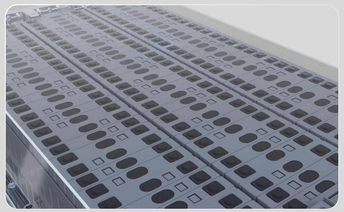
Advanced liquid thermal management technology

Bid farewell to traditional electric heating. Achieve an integrated design of liquid heating and liquid cooling, and control the temperature difference of a single cluster within 5 °C, creating a friendly and consistent environment.



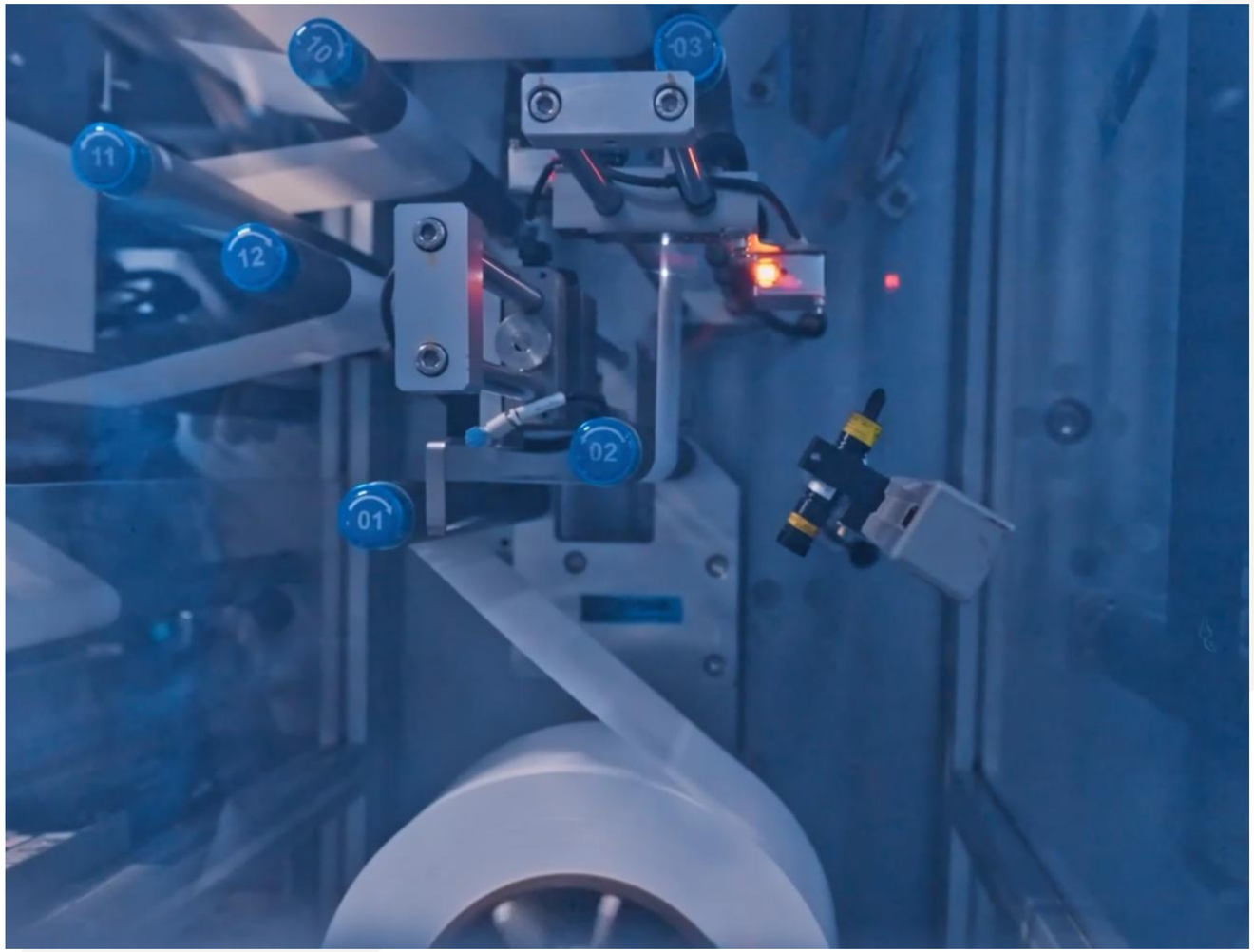
Venturi Safety System

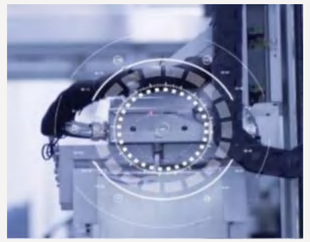
Venturi Oxygen-Blocking Channel, Graded Microporous Filter Screen Relief, and Intelligent BMS Early Warning



QUALITY CONTROL

REPT BATTERO





46

Processes' data traceability from raw material intake to delivery

3,000+

MES process control points monitored in real-time

97

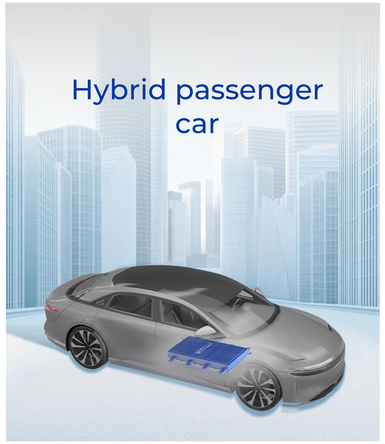
Key and critical characteristic controls

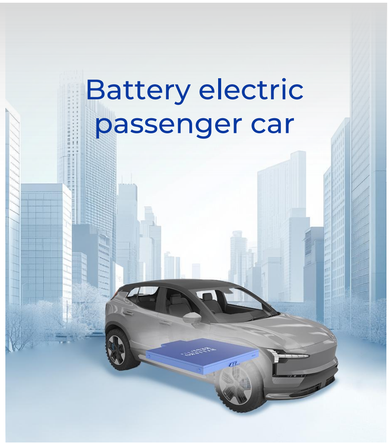
600+

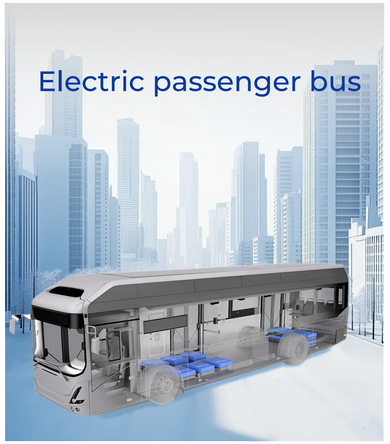
Process control points in compliance with IATF16949 quality management system

APPLICATION FIELD

REPT BATTERO







More customization Application scenarios

ENERGY STORAGE SOLUTION

REPT BATTERO

Comprehensive solutions driving the transformation and upgrading of energy structures.

Application Types	Application Purpose
Peak Shaving and Frequency Regulation	**Assisting the grid in peak shaving and frequency regulation, stabilizing the power network**
Spinning Reserve	Reducing standby unit activation time and minimizing waste
Black Start	Providing startup power for power plants
Renewable Energy Curtailment Utilization	**Addressing the issue of wasted wind and solar energy**
Coordinated Utilization of New Energy	Smooth output of new energy, enhancing penetration and tracking of planned curves
Energy Storage Stations	**Peak shaving and frequency regulation, providing emergency power support**
Backup Capacity	Addressing grid peak power demands
Distributed Micro-grids	Mitigating fluctuations in renewable energy sources
Time-of-use Electricity Price Management	Profiting from peak and off-peak pricing differences
Capacity Fee Management	Enhancing user self-balancing and reducing capacity costs
Energy Storage Charging Stations	**Used for electric vehicle charging, resolving configuration capacity issues**
Emergency Power Micro-grids	Enhancing the reliability and security of power supply

R&D CAPABILITY

Powtrix 1.0

Y52 liquid cooled energy storage system

	Energy Storage Module	Energy Storage System
Group form	1P52S	10P416S
Nominal voltage	166.4V	1331.2V
Voltage range	130V~189.8V	1081.6~1497.6V
Nominal energy	46.592KWh	3727.36kWh
Dimensions	1120*810*238	20HQ
Weight	~330kg	35t

Powtrix 2.0

Y104 liquid cooled energy storage system

	Energy Storage Module	Energy storage System
Group form	12P416S	
Nominal voltage	1331.2V	
Voltage range	1040V~1500V	
Nominal energy	5015.9kWh	
Dimensions	20HQ	
Weight	45T	

Y52 liquid cooled energy storage module

Y104 liquid cooled energy storage module

Liquid-Cooled Outdoor Cabinet

Group form	1p416s
Nominal voltage	1331.2V
Voltage range	1164.8~1497.6V
Nominal energy	417.99kWh
Dimensions	1.40m*1.34m*2.36m
Weight	3. 7t

Liquid cooled integrated machine

Liquid cooled integrated machine	
Nominal energy	233kWh
Ambient humidity	5%~95%RH
Nominal power	125kW
Dimensions	1250mm×1350mm×2250mm
Weight	<2600kg

APPLICATION SCENARIO

REPT BATTERO

Wenzhou, Zhejiang
Shuangyu project peak shaving and valley filling 14mWh

Jingneng Guangxi Baise
Shared energy storage power station project 200MWh

Guazhou, Gansu
12MWh Photovoltaic Energy Storage Project

Beijing Energy Inner Mongolia Tongliao
Shared energy storage power station project 476MWh source grid side energy storage

Ningxia Huarun Haiyuan
200MWh/400MWh

Yongchuan Songgai Project 400 MWh
Chongqing Independent Energy Storage

Chongqing Three Gorges Yongchuan
200MWh/400MWh

Morowali, Indonesia
Power grid frequency modulation IMIP project phases I-IV 50MWh

Weda Bay, Indonesia
Power grid frequency regulation IWIP project phase II and III 28MWh

Shache "project 800 MWh
Xinjiang Photovoltaic Distribution and Storage

PG&E Project
12 MWh Long Term Energy Storage in California, USA

St Gal Energy Storage Project
226MWh FM energy storage in Texas, USA

Weda Bay, Indonesia
Power grid frequency regulation IWIP project phase I 30MWh

Bulgaria 7.45MWh photovoltaic distribution and storage

The 'MY BESS' project
Malaysia sample 3.7 MWh

North American FLEXGEN Shared Energy Storage Project
Grid side energy storage 245MWh

The Waratah Super Battery project
1950 MWh FM energy storage in New South Wales, Australia

Belgium project
126MWh energy storage project

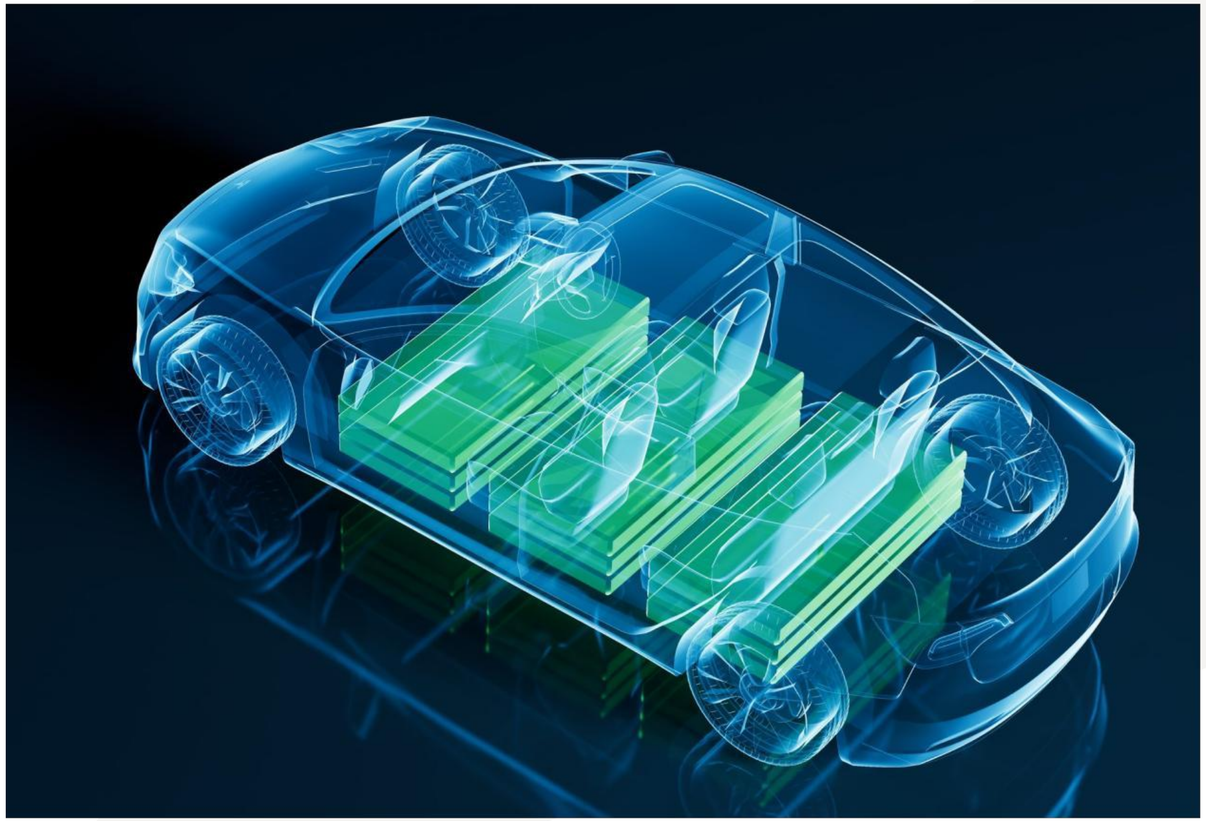
North American FLEXGEN Shared Energy Storage Project
EV Charge Optical Storage Charging Project

Cascade Energy Storage Project 117.5MWh
California, USA

PASSENGER VEHICLE BATTERY PRODUCTS

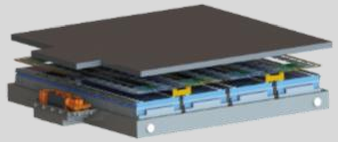
REPT BATTERO

The hardware configuration and capabilities of our technology center fully meet standard requirements and address the needs of customers in sectors such as automotive and energy storage.



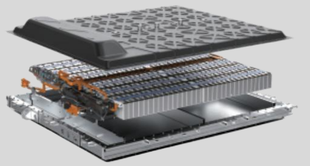
GREEN CTP PACK

Both the battery cells and the complete battery packs can be recycled for secondary use.



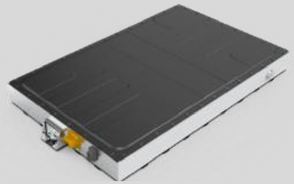
4C Fast-Charging CTP

Average 4C, Peak 6C Fast Charging



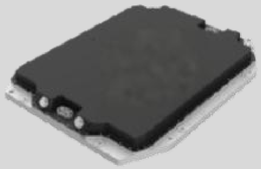
PHEV Battery system

Save fuel and have excellent low-temperature performance.



BEV Battery system

super fast charging



PASSENGER VEHICLE POWER BATTERY SOLUTIONS

REPT BATTERO

BESTUNE YUEY 07(2025)

MG4 ELECTRIC(2025)

SAIC ROEWE D5X(2024)

Volvo EX30(2024)

SAIC ROEWE D7-DMH(2023)

smart 1#(2023)

SAIC ROEWE D6(2023)

SGMW YUNDU (2023)

FAW NAT(2023)

SGMW XINGGUANG(2023)

Stellantis AMI(2022)

FAW E131(2023)

SGMW BINGO(2023)

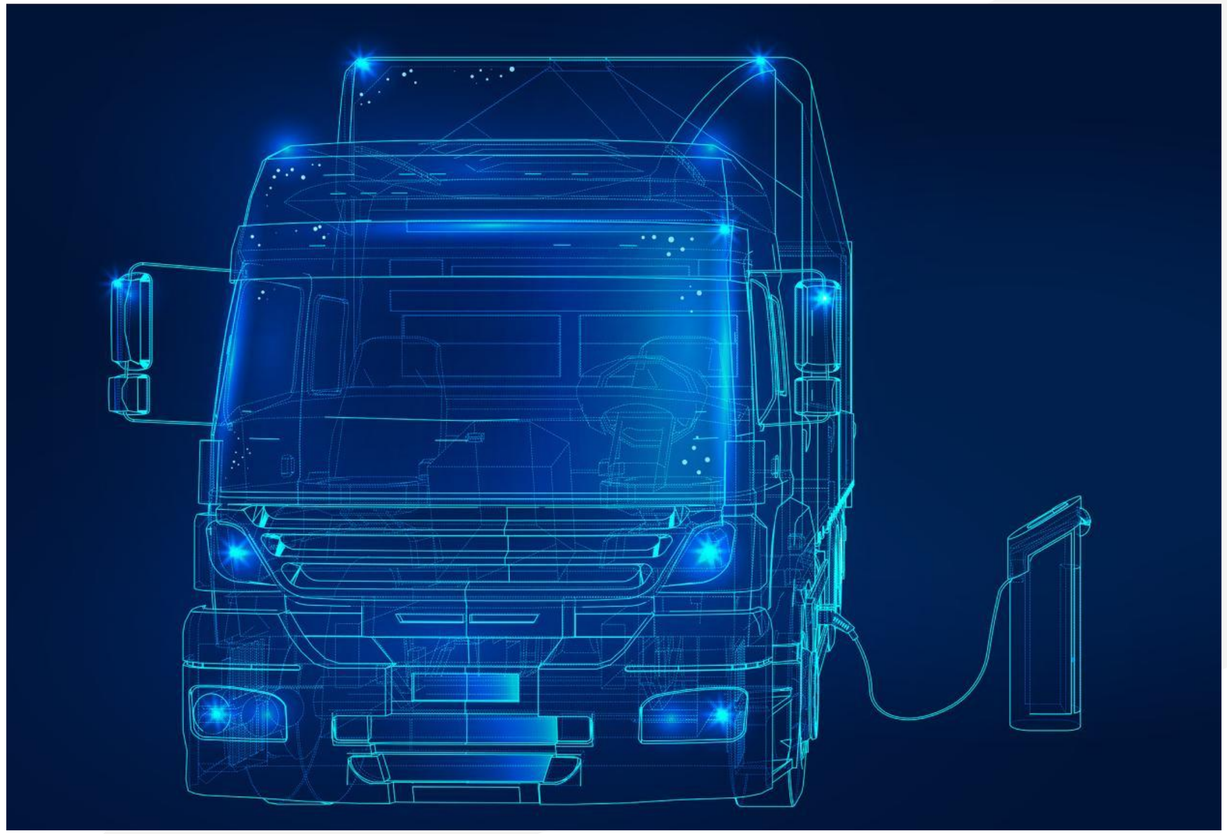
NISSAN D60(2022)

SGMW MINI(2021)

COMMERCIAL VEHICLE BATTERY PRODUCTS

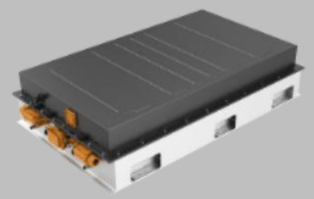
REPT BATTERO

The hardware configuration and capabilities of our technology center fully meet standard requirements and address the needs of customers in sectors such as automotive and energy storage.



Commercial vehicle battery system

Standard C-type box

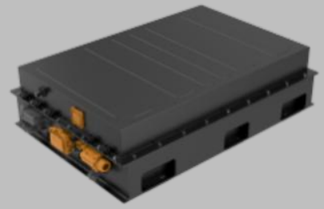


Commercial vehicle battery system

Standard D-type box

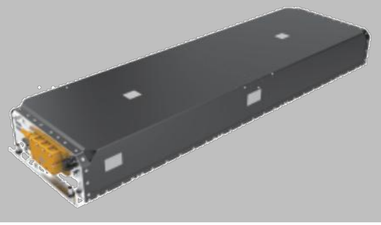
Commercial vehicle battery system

Standard G-type box



Commercial vehicle battery system

StandardF-type box



COMMERCIAL PASSENGER VEHICLE POWER BATTERY SOLUTIONS

REPT BATTERO

FAW Jiefang

Application Models:	Battery-swappable pure electric semi-trailer tractor
Supporting Battery Cells:	230 Ah

SANY zhonggong

Application Models:	Sany iSEE2 Electric Dump Truck
Supporting Battery Cells:	230 Ah

Shanxi Heavy Duty Automobile

Application Models:	Battery-swappable pure electric tractor
Supporting Battery Cells:	230 Ah

JAC Motors

Application Models:	Battery-swappable pure electric flatbed transport truck
Supporting Battery Cells:	230 Ah/324 Ah

ENVIRONMENTAL RECYCLING SOLUTIONS

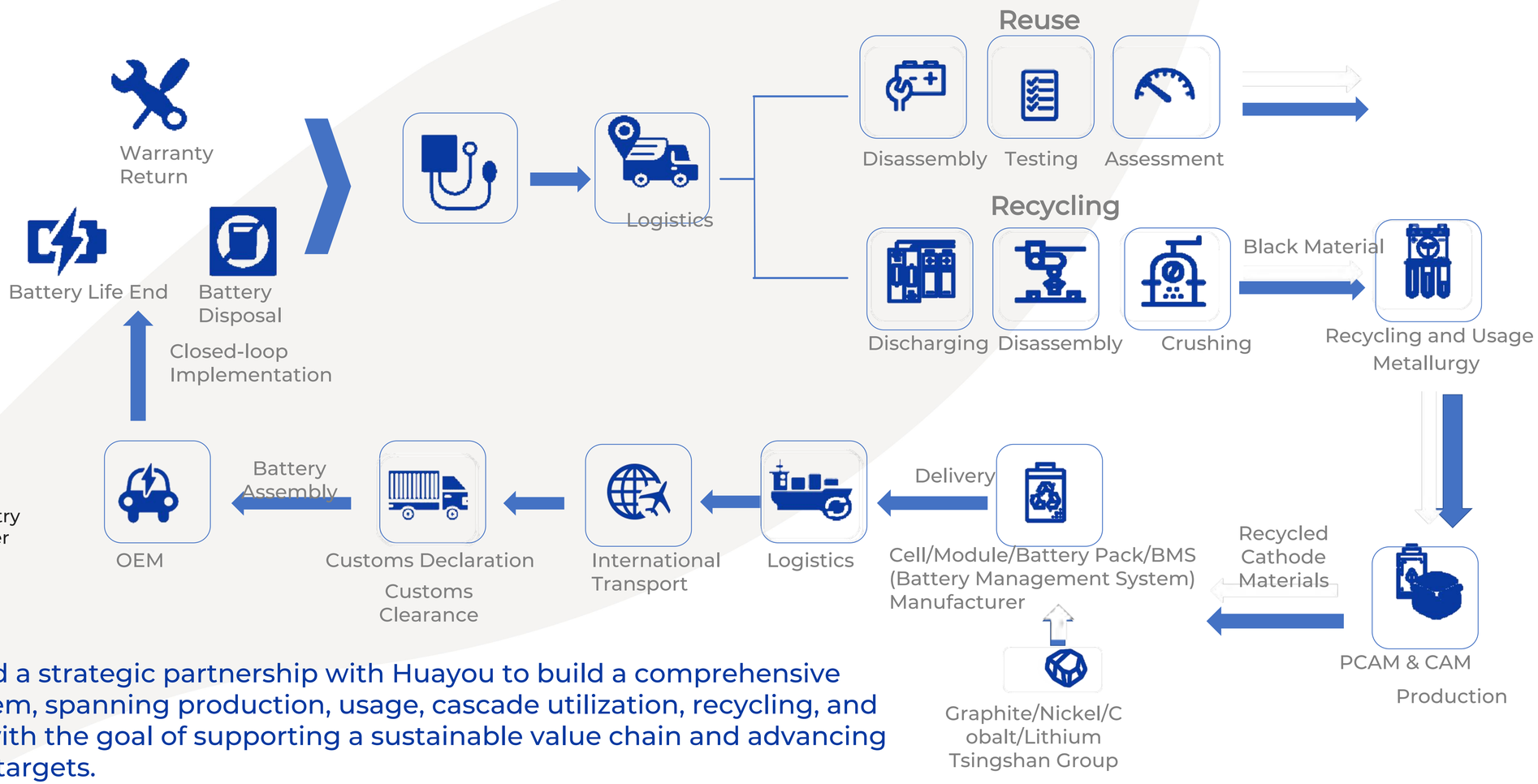
REPT BATTERO

Rapid Expansion of the Industry Chain

Tsingshan Group plans to expand across multiple segments of the lithium battery value chain through direct holdings or equity investments.

Resource Integration and Synergy

- Long-term stable supply
- Integrated industry chain
- Favorable business environment provided by market rules
- Backward integration of the industry chain to enhance bargaining power



The company has formed a strategic partnership with Huayou to build a comprehensive battery industry ecosystem, spanning production, usage, cascade utilization, recycling, and resource regeneration, with the goal of supporting a sustainable value chain and advancing global carbon neutrality targets.

REPT BATTERO

DEVELOPMENT STRATEGY

04

Driven by Innovation, and building a first-class new energy company

CAPACITY PLANNING

REPT BATTERO

Planned Production Capacity for 2026

120GWh+

Expected to Reach

Trillion-level Scale by 2027

R & D Center:

North America | Europe | China

Manufacturing Bases:

Wenzhou | Jiashan | Liuzhou | Foshan | Chongqing | Southeast Asia

Wenzhou Manufacturing Base

As the first-launch base for the Group's new energy business, it undertakes the functions of early-stage production capacity carrying and industrial chain collaboration.

Jiashan Manufacturing Base

A strategic R&D and manufacturing pivot in the Yangtze River Delta, empowering technology iteration and capacity implementation.

Liuzhou Manufacturing Base

Jointly established with SAIC Motor, it focuses on power battery cells/modules and builds a regional new energy industrial ecosystem.

Foshan Manufacturing Base

The core production base in South China focuses on high-end power/energy storage batteries and strengthens the local supply chain.

Chongqing Manufacturing Base

The core industrial hub in Central and Western China focuses on battery cell and PACK production lines, empowering the new energy industrial cluster in Southwest China.

Planned Manufacturing Base

The first overseas green factory leverages local resources to serve the Southeast Asian and global markets.

NEW ENERGY INDUSTRY CHAIN

REPT BATTERO

Professional Training/Skill Guidance

Provide Expert Training

Remote Monitoring/Maintenance

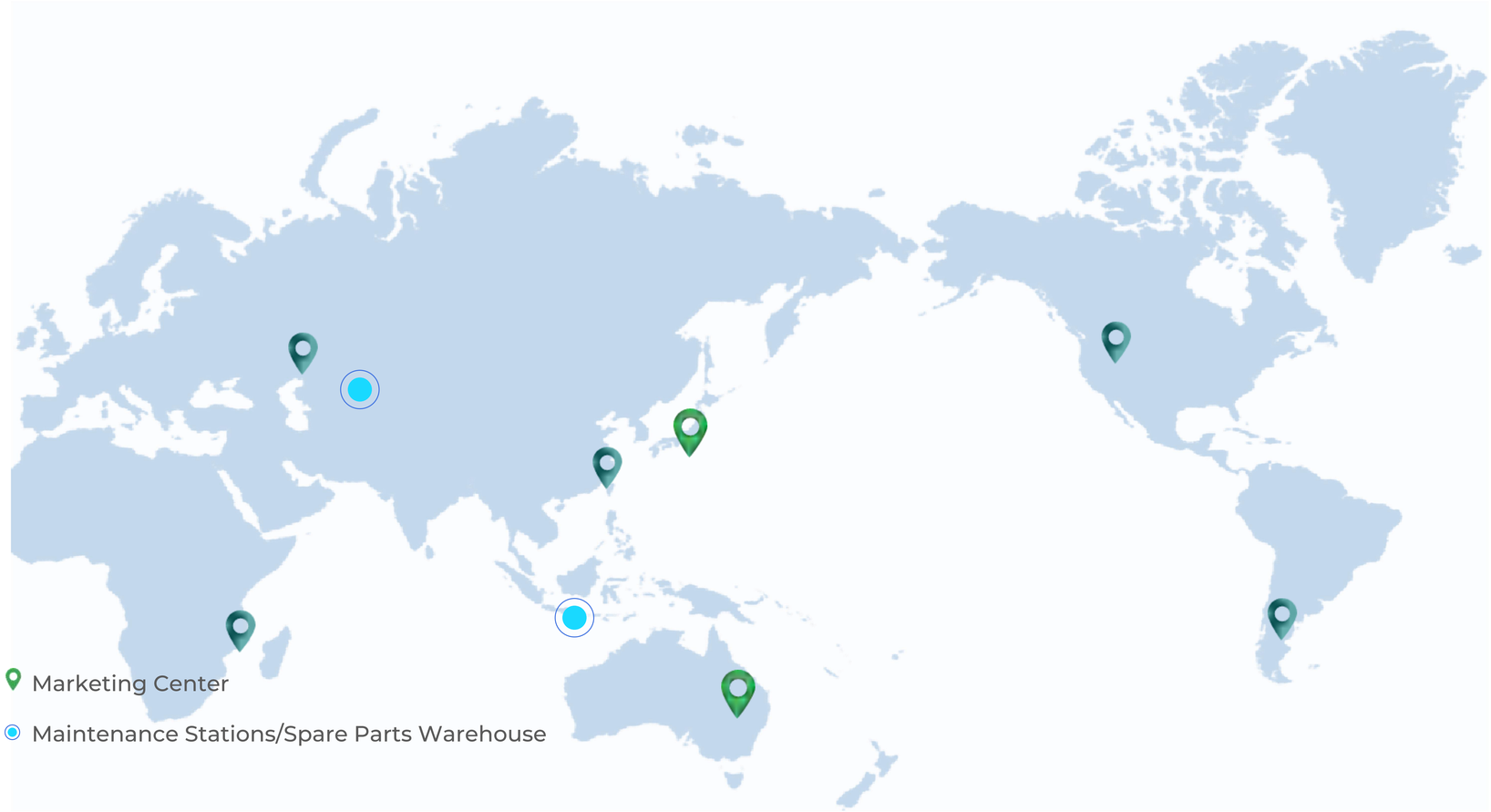
Online Technical Support Available Anytime

Fast Response/Regular Maintenance

24/7 After-Sales Service Guarantee System

Maintenance Stations/Spare Parts Warehouse Guarantee

Provide Optimal Safety Operation Guarantee



Asia	Europe	North America	South America	Africa	Australia
China Japan	Germany	USA	South America	Africa	Australia

PARTNER

REPT BATTERO

EV Partners

Passenger Vehicle Power Battery Solutions

SAIC · BMW · NISSAN 东风日产 · Dongfeng · smart · VOLVO · STELLANTIS · 一汽奔腾 BESTUNE · 零跑汽车 · 上汽大通 MAXUS

Commercial Passenger Vehicle Power Battery Solutions

国家电投 SPIC · YUTONG · 一汽解放 · VW · SERES · 大运汽车 DAYUNAUTO · 中国重汽 · FOTON 福田汽车 · 陕汽重卡 · XCMG 徐工集团 · 上海红岩 HONGYAN · 上汽大通 MAXUS · GOLDEN DRAGON 宇通客车 · 金龙客车 · 一汽解放 · KION GROUP · 中力 · SANY · LiuGong 柳工 · VENA ENERGY · Keestrack 凯斯特 · 远程汽车 FARIZON AUTO

ESS Partners

Household Energy Storage Users

SUNGROW · Deye 德业 · SIGENERGY · GOODWE 固德威 · GROWATT · SAJ · HICONICS 合康新能 · Pytes · hoymiles · EENOVANCE 盛弗能源 · RITAR · SRNE 硕日 · LEAPTON SOLAR · GSL ENERGY Much More Than Grade A · RENON · FOX ESS

Large-Scale Energy Storage Users

中核集团 CNNC · 国家能源集团 CHN ENERGY · 国家电投 SPIC · 中国华电 CHD · 中国节能 · 国投 SDIC · 中国石油 · 中国能建 ENERGY CHINA · 中国电建 POWERCHINA · 粤水电 · 宁夏电力投资集团有限公司 · SUNGROW · EAST 易事特 · 智光储能 Zh guang Energy Storage · JinKO Solar · 中国中车 CRRC · KELONG 科华技术 · JA SOLAR 晶澳太阳能 · CHINT 正泰 · 科陆 · Goldwind · 中国电气装备集团有限公司 China Electrical Equipment Group Co., Ltd. · Powin · Origis Energy · DUKE ENERGY · EDF · ENGIE · akaysha · Hecate Energy

EXPLORE DIVERSIFIED COOPERATION MODELS TO LEAD THE DEVELOPMENT OF NEW ENERGY INDUSTRY

REPT BATTERO

Collaborative Development of Raw Materials

Globally, we are jointly developing upstream resources for new energy, including nickel, cobalt, lithium, and manganese, to support the industry

In-depth Supply Chain Cooperation

With European Union OEMs, we provide a stable supply of raw materials and cost control advantages

Global Battery Recycling

We have established a strategic cooperation with Huayou Recycling for the global recycling of lithium batteries, promoting sustainable development

In recent years, REPT BATTERO has made significant strides in the new energy sector, continuously innovating in technological research and development. We have also actively pursued diversified collaboration models, securing key partnerships with renowned automotive manufacturers such as RENAULT, Stellantis, and domestic automotive giant SAIC. These collaborations will inject new momentum into the high-quality development of the new energy industry and open up vast prospects for the future growth of REPT BATTERO.

HIGH ESG STANDARDS DRIVE SUSTAINABLE DEVELOPMENT

REPT BATTERO

Sustainable Management Strategy

Supply Chain Traceability Management	01
Energy Utilization	02
Battery Recycling	03
Waste Emissions and Utilization	04
Employee Production Safety and Health	05
Corporate Social Responsibility System	06

- Liuzhou Base wasawarded Guangxi Zhuang Autonomous Region GreenFactory
- Liuzhou Base was awarded Guangxi Intelligent Demonstration Manufacturing Enterprise
- Jiashan Base Jiaxing City Green was awarded Factory
- Wenzhou Base and Liuzhou Base were awarded National-level Green Factory

We will establish a development system aligned with the United Nations Sustainable Development Goals, creating a safe and healthy workplace for all employees and a green, eco-friendly community environment to ensure sustainable and rapid growth.

REPT BATTERO

REPT Energy, Driving a Sustainable Future.