



上海电气国轩新能源科技有限公司

Shanghai Electric Gotion New Energy Technology Co., Ltd.



公司概况 Company Overview



上海电气国轩新能源科技有限公司由上海电气集团股份有限公司和国轩高科股份有限公司于2017年12月合资成立。

公司将充分借助双方在能源装备及动力电池领域的品牌效应、技术积累、资源优势，发挥产业链协同效应，着眼于先进的储能锂电池关键材料、电池、电池管理及系统集成全产业链布局，致力于锂电储能系统产品的研发、销售及服务，为客户提供高效、可靠、定制化的储能解决方案。

公司旗下设有两大生产基地：南通基地（10GWh）、昆山基地（年产300MWh），将打造成研发、试验、生产一体化的高端生产基地。

Shanghai Electric Gotion New Energy Technology Co., Ltd. was established in December 2017 by Shanghai Electric Group Co., Ltd. and Gotion Hi-Tech Co., Ltd.

Shanghai Electric Gotion will make full use of the brand effect, technology accumulation, resource advantage and manufacturing experience of both sides in the field of energy equipment and power battery to give full play to the synergistic effect of the industrial chain. It mainly focuses on advanced energy storage lithium battery key materials, batteries, battery management and system integration of the whole industrial chain layout. It is committed to the R&D, sales and services of lithium battery energy storage system products, as to provide customers with efficient, reliable, and customized energy storage solutions.

The company has two production bases: Nantong base (10GWh) & Kunshan base (300MWh), which will be built into advanced production base integrating R&D, testing and production.



业务领域 Business Scope



电网侧储能
Grid-side ESS



发电侧储能
Generation-side ESS



用户侧储能
User-side ESS

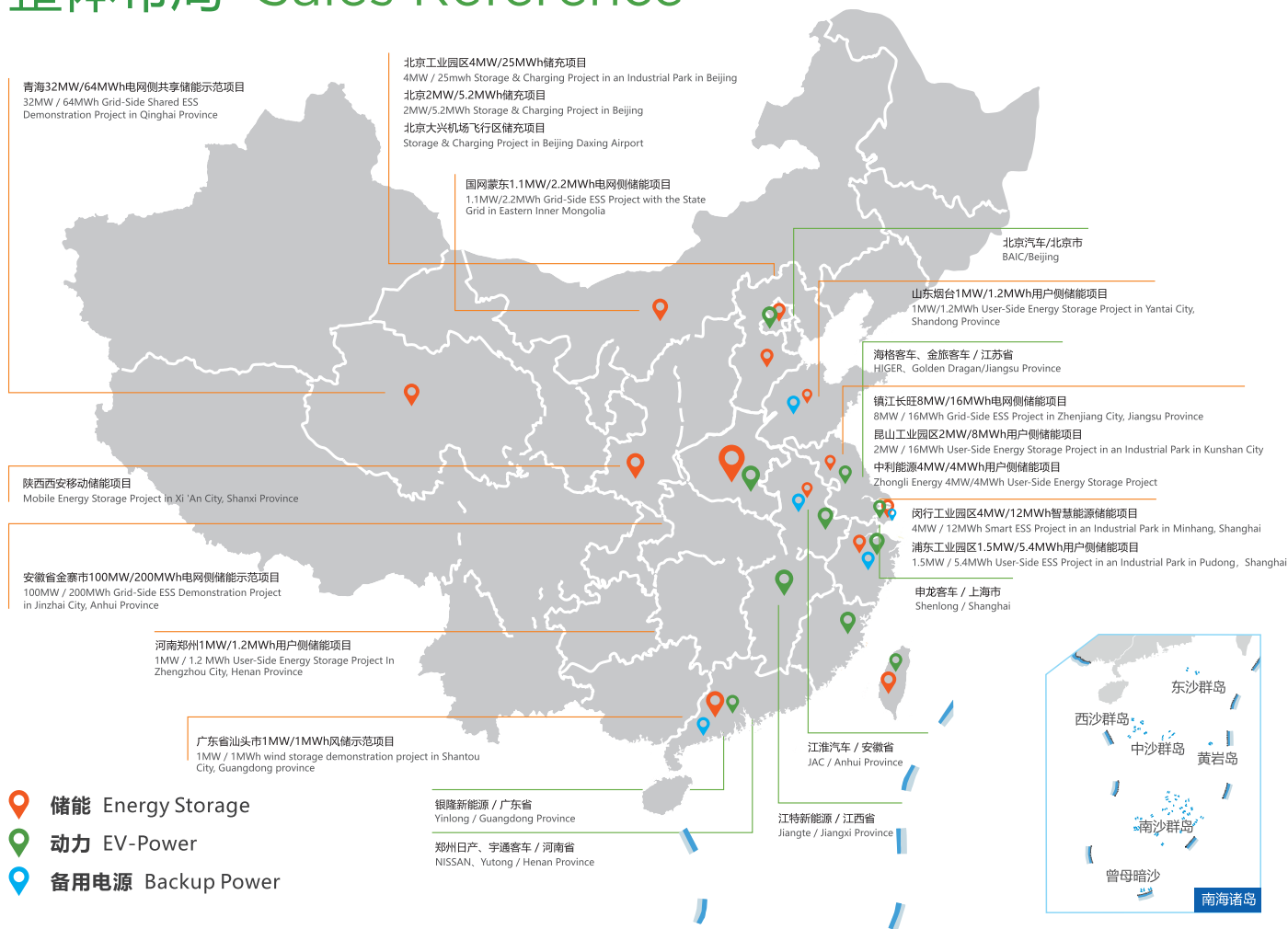


动力电源
EV-power



备用电源
Backup Power

整体布局 Sales Reference



技术优势 Technical Advantages

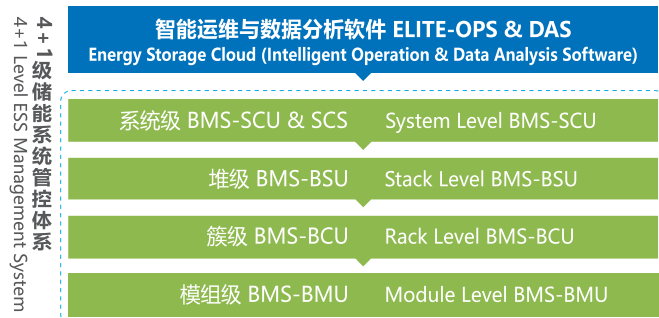
高可靠性 High Reliability

4+1级储能系统管控体系，各关键子部件之间的协调保护与控制：从电芯级到系统级，相互协调，相互匹配，自学习与自优化。

严格的产品可靠性设计管控体系，把控产品设计的每一个环节。

4+1 Level ESS Management System with the coordinated protection and control among key sub-components: inter-coordination, matching, self-learning and self-optimization from cell level to system level.

The production design process is strictly follow the management system to ensure its reliability.



层次化、系统化的储能系统管控体系
Hierarchical & systematic Battery Management Technology



把控产品设计过程的每一个环节
Control production design process from beginning to end

高效率 High Efficiency

改良的电芯材料与制造工艺，提升电芯能量效率。

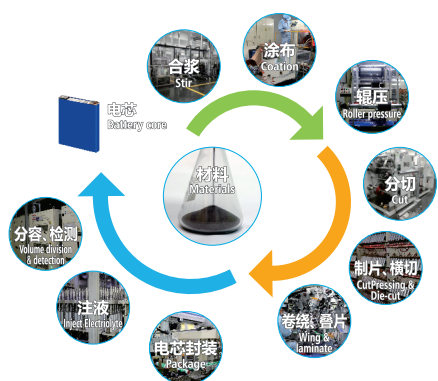
系统热设计和热管理：效率越高，对热设计和热管理越有利，系统成本更低。

有针对性的运行控制策略：削峰填谷、需量控制、负荷跟踪、计划曲线。

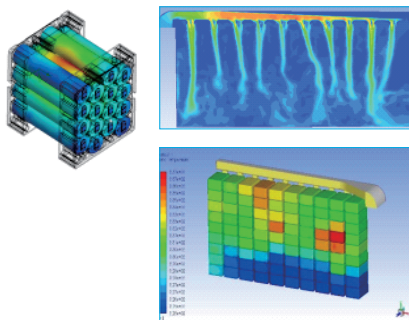
Improve energy efficiency of the cells by update cell's raw material and manufacturing process.

Higher efficiency is beneficial to thermal design and management, that will reduce the system cost.

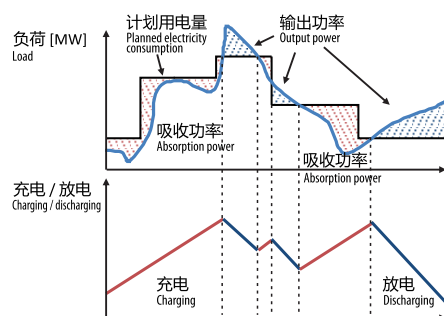
Targeted operation control strategy: load shifting, demand control, load tracking, planning curve.



电芯材料和制造工艺优化
Optimized Materials & Manufacturing Technology



模组与系统的热设计与热管理
Thermal Design and Thermal Management of Module & System

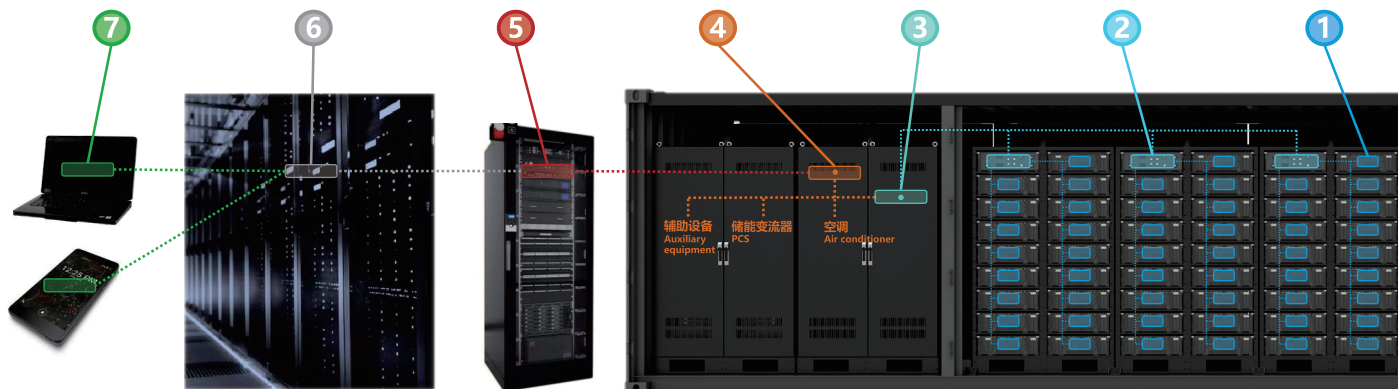
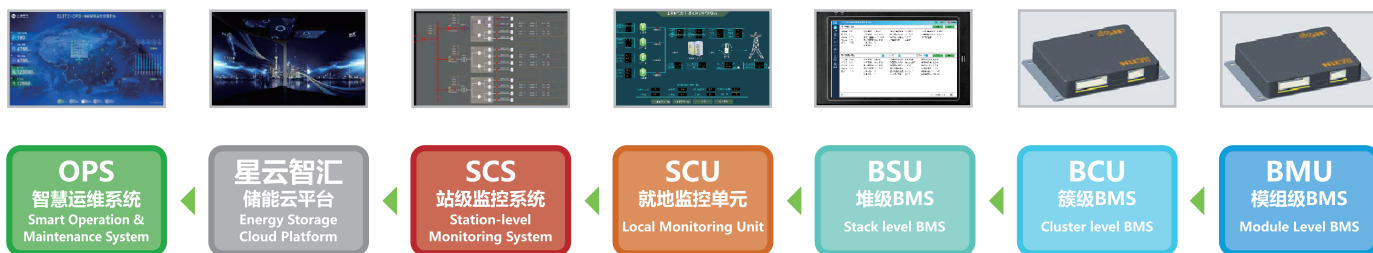


策略优化
Strategy Optimization

智能化 Intelligence

打通储能系统从信息采集到云端接入，再到数据存储、数据分析的完整技术链条，构建起智慧储能管控体系平台。

Build smart ESS management & control system platform by getting through complete technical chain related to data collection, cloud access, data storage and data analysis.



储能黑科技——智慧云管理平台

ESS Black Technology - Smart Cloud Management Platform



ELITE-OPS APP端界面
ELITE-OPS APP Interface



ELITE-OPS WEB端界面
ELITE-OPS WEB Interface

智慧储能运维软件产品

Smart Energy Storage Operation & Maintenance Software Products

项目总览 Project overview	电站监视 ESS monitoring	运维管理 O&M management	高级分析 Advanced analysis	数字库管理 Data base management
项目概览 Brief introduction	状态总览 Status overview	告警推送 Alarm warning	经济性分析 Economic analysis	档案管理 File management
项目统计分析 Project analysis	运行数据 Operation data	告警查看 Alarm Checking	稳定性分析 Stability analysis	知识库管理 Knowledge base management
	视频监控 Video monitoring	远程控制 Remote control	效率分析 Efficiency analysis	故障预测 Fault prediction
		账单管理 Bill management	参数设置 Parameter settings	
		软件升级 Software update	负荷预测 Load forecasting	
		统计报表 Statistical report	电池数据分析 Battery data analysis	
		维保业务 Maintenance business	知识库管理 Knowledge base management	

配合储能站点站控系统，进行分层调度，以提高能源有效利用率为目的，达到降低用电成本、增加发电的收益。

通过存储电站运行情况以及告警相关的历史数据来建立完整的储能电站的数字档案库以及储能项目的知识库形成云端大数据分析，结合开发的分析算法、预测算法、数据挖掘技术，可以实现电站经济收益分析、稳定性分析、效率和损耗分析、故障预测、寿命预测、性能短板定位以及热管理分析等高级分析与智能化诊断，帮助客户实现储能设备的最优配置及高效利用。

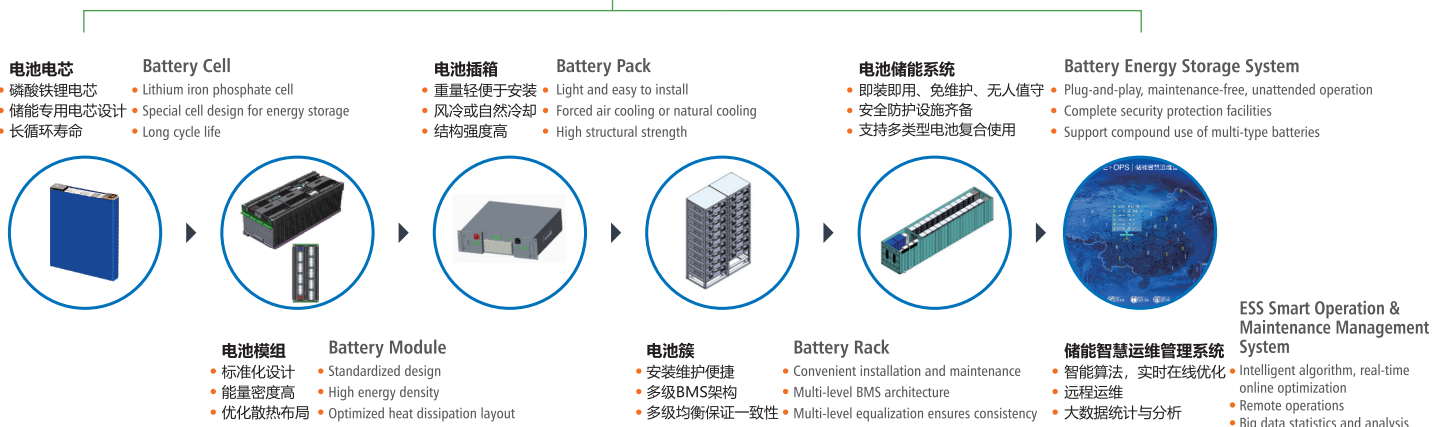
With the site control system of the energy storage site, the hierarchical scheduling is carried out to improve the energy efficiency, so as to reduce the cost of electricity and increase the income of power generation.

Through the storage of the operation situation of the power station and the historical data related to the alarm, a complete digital archive of the energy storage power station and the knowledge base of the energy storage projects are established to form the cloud big data analysis. Combining with the development of analysis algorithms, prediction algorithm, data mining technology, advanced analysis and intelligent diagnosis such as economic benefit analysis, stability analysis, the efficiency & loss analysis, failure prediction, life prediction, short plate positioning performance and thermal management of power station can be realized and help customers to realize optimal allocation and efficient use of energy storage devices.

业务范围 Business Scope

一站式智慧储能系统方案

One-stop Smart Energy Storage System Solution



公司定位 Company positioning

储能产品设备供应商、储能系统集成商和运营商
Supplier of ESS product equipment, ESS integrators & operator

愿景 Vision

技术创新驱动，电能储存与应用产业的领导者
Driver of technological innovation & leader of ESS and application industry

使命 Mission

面向储能产业需求，致力于提供可靠安全、性能卓越、创新演进的储能产品和解决方案，改变人类电力使用的方式，摆脱电能使用时间和空间的限制。

Facing the needs of the energy storage industry, we are committed to providing reliable and safe energy storage products and solutions with excellent performance and innovative evolution, changing the way humans use electricity, and getting rid of the restrictions on time and space for electricity use.

上海电气国轩新能源科技有限公司
Shanghai Electric Gotion New Energy Technology Co.,Ltd.

中国上海市闵行区都市路4855号1座19楼 邮编：201100 电话：021-62209958
Floor 19, Block 1, No. 4855, Metropolis Road, Minhang District, 201100 Shanghai Tel: 86-21-62209958
www.shanghai-electric.com/listed/gxnygsjs/

2020年7月版

