



上海电气分布式能源科技有限公司 SHANGHAI ELECTRIC DISTRIBUTED ENERGY TECHNOLOGY CO., LTD.

集团简介 GROUP PROFILE

上海电气是一家大型综合性高端装备制造企业,主导产业聚焦能源装备、工业装备、集成服务三大领域,致力于为全球客户提供绿色、环保、智能、互联于一体的技术集成和系统解决方案。产品包括火力发电机组(煤电、气电)、核电机组、风力发电设备、输配电设备、环保设备、自动化设备、电梯、轨道交通和机床等。改革开放以来,集团诞生了一大批世界领先的创新产品,如首套百万千瓦超超临界燃煤发电机组、三代四代核电核岛和常规岛主设备、大型海上风电设备、西气东输的高频电动机等,2018年集团营业收入超过1100亿元。

作为中国工业的领导品牌,上海电气集团的历史至少可以追溯到1902年,创造了中国与世界众多第一。集团品牌在国际和国内多个榜单中名列前茅,荣获中国工业领域最高奖项一中国工业大奖,入选《全球制造500强》、《财富》中国500强,2018年ENR全球最大250强国际承包商排名全球第100位,2019年品牌价值812.76亿元,位于行业前列。

Shanghai Electric is a large integrated equipment manufacturing enterprise specialized in energy equipment, industrial equipment and integration services. It is committed to providing customers with solutions to technology integration and systems incorporating green, eco-friendliness, intelligence and Internet. Its products include thermal generator set (coal power, gas power), nuclear power units, wind power equipment, power transmission and distribution equipment, environmental protection equipment, automation equipment, elevators, rail transit, machine tools, etc. Since the reform and opening up, numerous world leading innovative products have been produced by Shanghai Electric, such as the first set of 1,000 MW ultra-supercritical coal-fired power unit, 3rd & 4th generation nuclear island and conventional island major devices, large offshore wind power equipment, high-frequency motors for the West to East Pipeline Project, etc. The operating revenue of 2018 exceeded RMB 110 billion.

As a leading brand in China's equipment manufacturing industry, the history of Shanghai Electric can be traced back as early as 1902, which has always walked ahead of the curve in China and the world. Shanghai Electric has topped multiple lists in China and the world, won the China Industry Awards, which is the top prize in China's industrial sector, was listed on Top 500 Global Manufacturer and Fortune 500 in China, and ranked 100th in ENR's 2018 Top 250 International Contractors. Its brand was valued at RMB 81.276 billion in 2019, ranking among the top in the industry.



¥812.76 亿元 RMB 100 million

品牌价值 Brand Value

*世界品牌实验室2019年发布 *Released by World Brand Lab in 2019



5213件 有效专利 Existing Patent



4.5 万人 员工人数 45 thousand Employees



¥ 1145 亿元 RMB 100 million 营业收入

营业收入 Operating Revenue



¥ 2507 亿元 RMB 100 million

总资产 Total Assets

综合能源系统解决方案 Integrated Energy System Smart Platform

① 功能 – FUNCTION

- 能源咨询 Consultancy
 - ・工程规划 Planning
 - ·系统设计 System Design
- - ·运行控制 Control
 - ·优化调度 Optimal Operation
- - 节能增效 Energy Saving
 - ⊙ 需求响应 Demand Response
 - 能源交易 Energy Trading





分布式能源规划设计软件 Distributed Energy System Planning Software



能量管理系统 Cluster Energy Management System



智能物联网数据采集终端 IoT



综合能源智慧管理平台 Integrated Energy System Smart Platform



工厂 Factory



商业 CBD



医院 Hospital



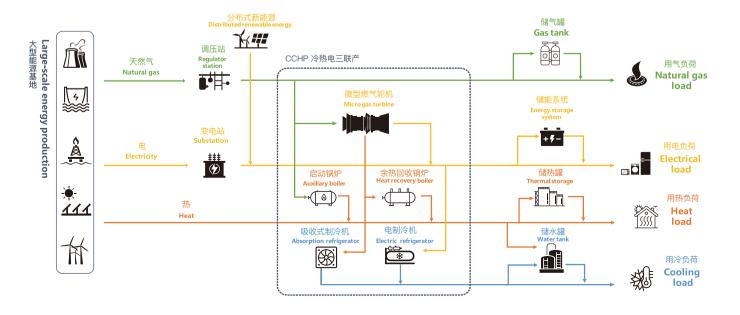
园区 Park Area



公共设施 Public Utilities

能源综合管理运营

DES-Platform:Integrated Energy System Management & Operation



面向综合能源系统的运营管理平台

O&M Platform for Integrated Energy Systems

能源类型全覆盖 Comprehensive Energy

- 电 Electricity
- 水 Water
- ·气 Gas
- · 热 Thermal

融合智能制造 Intelligent Manufacture

- •生产设备-能效 Energy Efficiency
- •生产单耗-优化 Consumption Optimization
- •生产排期-优化 Production Optimization

全能源类型:水-电-热-气

Full Energy Types: Electricity-Water-Gas-Thermal

全流程管控:源-网-荷-储

Full Process Control: Source-Grid-Load-Storage

全区域覆盖: 结合用户生产情况

Full Area Coverage: Production Associated

全指标监控:平衡、能耗、费耗

Full Monitoring Index: Balance, Consumption, Unit Cost

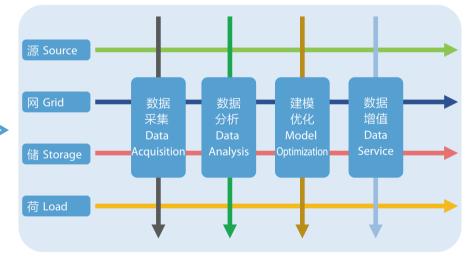
智慧能源规划 Optimal Planning

- •企业战略 Business Strategy
- ・供应链管理 Supply Chain Management
- ·财务管理 Financial Management

全周期管理: 结合企业生产计划

Full Lifecycle Management: Production Associated





- 系统配置更灵活
- Flexible System Configuration
- •功能扩展更方便
- Convenient Function Extension
- •能源管理更全面
- Comprehensive Energy Management



综合能源智慧管理平台 DES-PLATFORM

--⊙ 模块 Function

- · 远程监控 SCADA
- ·数据分析 Data Analysis
- · 供能侧管理 Supply Regulate
- · 需求侧管理 Demand Regulate
- 工单管理 Work order Management
- · 资产管理 Asset Management

⊙ 功能 Advantage

- · 大数据平台 Big Data Platform
- · 优化引擎 Optimization Engine

● 服务 Service

- 节能增效 Energy Conservation
- · 需求响应 Demand Response
- · 设备预测性维护 Predictive Maintenance
- · 设备性能评估 Performance Evaluation
- · 系统优化 System Optimization

- · 提高运维效率 Higher Efficiency
- · 增加项目收益 More Profit
- · 运维成本透明化 Transparent Cost





能动全球工业,智创美好未来 Empower Global Industry, Make Life Smarter

L海电气_与创造者共创未来 SHANGHAI ELECTRIC **CREATE OUR FUTURE TOGETHER**

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