

中电桑达国际有限公司

SED INTERNATIONAL COMPANY LIMITED

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PART 1

公司简介

COMPANY PROFILE

中国电子信息产业集团有限公司（简称“中国电子”）成立于1989年5月。中国电子主动服务国家战略，持续优化产业结构，围绕以数字技术支撑国家治理体系和治理能力现代化、服务数字经济高质量发展、保障国家网络安全三大核心任务，着力发展计算产业、集成电路、网络安全、数据应用、高新电子等重点业务。中国电子拥有16家上市公司，663家成员企业，业务覆盖全球6大洲60多个国家，连续13年入选《财富》世界500强。

CEC founded in May 1989, is a Fortune Global 500 company for 13 consecutive years. With 16 listed companies and 663 subsidiaries, it operates in over 60 countries, focusing on computing, ICs, cybersecurity, data applications and high-end electronics to serve national strategies.

国务院国有企业改革领导小组

State Council Leading Group for SOE Reform

加快打造国家网信事业核心力量和组织平台
努力成为中央企业主体资产混改的典范和标杆
更好支持深圳建设中国特色社会主义先行示范区

To become a core force for national cybersecurity and informatization, a benchmark for mixed-ownership reform of central SOEs, and a supporter of Shenzhen's pilot demonstration zone.

国务院国资委

SASAC

自主安全计算现代产业链链长
网络安全、集成电路原创技术策源地

Chain Leader of Independent & Secure Computing, Source of Original Technologies for Cybersecurity and ICs

主要经营指标

Key Operating Indicators



世界500强

连续13年

Fortune Global 500 for 13 Consecutive Years



成员企业

663家

663 Subsidiaries



上市公司

16家

16 Listed Companies



员工人数

210,000名

210,000 Employees

深圳市桑达实业股份有限公司（简称“桑达股份”，股票代码：000032），公司成立于1993年，在深圳证券交易所上市，是中国电子（CEC）旗下网络安全与信息化领域的核心企业。公司主要布局数字与信息服务、产业服务两大业务板块，依托自主安全技术，赋能各行业数字化转型，支撑数字经济高质量发展。

*SED founded in 1993 and listed on the Shenzhen Stock Exchange
operates two major business segments: Digital & Information Services and Industrial Service*

数字与信息服务 Digital & Information Services

云计算与存储 Cloud Computing & Storage

Cloud Product Capability System

Private Cloud CECSTACK

Container Cloud CeaKE

Edge Cloud CeaEdge

Feikan Data Middle Platform

Cloud-Native Security CeaSec

Big Data Platform Cealsight

IT Infrastructure

Canghai Storage CeaStor

Cangshan Hyper-Converged
Infrastructure CeaCube

数据创新 Data Innovation

Data Innovation Solution System

Data Asset Operation &
Management

Data Governance Consulting

Basic Data Scenario Operation

Overall Design of Data Elements

Data Science Analysis & AI

Data Security &
Compliance Consulting

Data Product Capability System

Data Safe

Data Element
Processing & Trading Center

Data Classification & Grading
Management System

Secure & Trustworthy Data Space

产业服务 Industrial Services

数字政府与行业数字化 Digital Government & Industry Digitalization

Digital Government

Digital Government 2.0

Fanxing Urban Digital Platform

Urban Management

Community Governance

Safety & Emergency
Response

Smart Transportation

Community &
Industrial Parks

Digital Dual Carbon

Water Conservancy &
Environmental Protection

Industry Digitalization

Digital Transformation Consulting Services

Smart Energy

Smart Finance

Smart Healthcare

Smart Education

Digital Industry

Meta Sports

高科技产业工程 High-Tech Industrial Engineering

Electronic Information

Biomedicine

New Infrastructure

New Energy

.....

国内一流的
云计算服务商

First-Class Cloud Computing Service
Provider in China

国内领先的
数据创新运营服务商

Leading Data Innovation and Operation
Service Provider in China

国内领先的
现代数字城市运营服务商

Leading Modern Digital City
Operation Service Provider in China

世界一流的
高科技产业工程服务商

World-Class High-Tech Industrial
Engineering Solution Provider

桑達國際有限公司1988年4月22日在香港注册成立。2026年公司正式更名为“**桑達國際有限公司**”，统筹管理桑达股份旗下国际业务，以更具全球化视野的品牌定位与形象，面向全球市场拓展业务、深化合作，开启国际化发展新征程。

SED INTERNATIONAL COMPANY LIMITED was incorporated in Hong Kong on April 22, 1988. Renamed in 2026, it now oversees SED's global business with a rebranded, global-oriented identity, driving expansion and cooperation worldwide.



公司定位 Corporate Positioning

桑达股份旗下统筹全球业务的核心平台，是集团全球化战略的核心载体与执行枢纽
SED's core global business platform and the Group's globalization hub



成立背景 Background

依托中国电子与桑达股份强大资源，专注全球化高科技产业工程与相关配套服务
Bby CEC & SED, focused on global high-tech industrial engineering and services



核心价值 Core Value

连接中国优势产业与全球市场的桥梁，致力双向赋能，输出中国技术和工程能力
A bridge between China's competitive industries and the world, enabling two-way empowerment and exporting Chinese technology & engineering capabilities

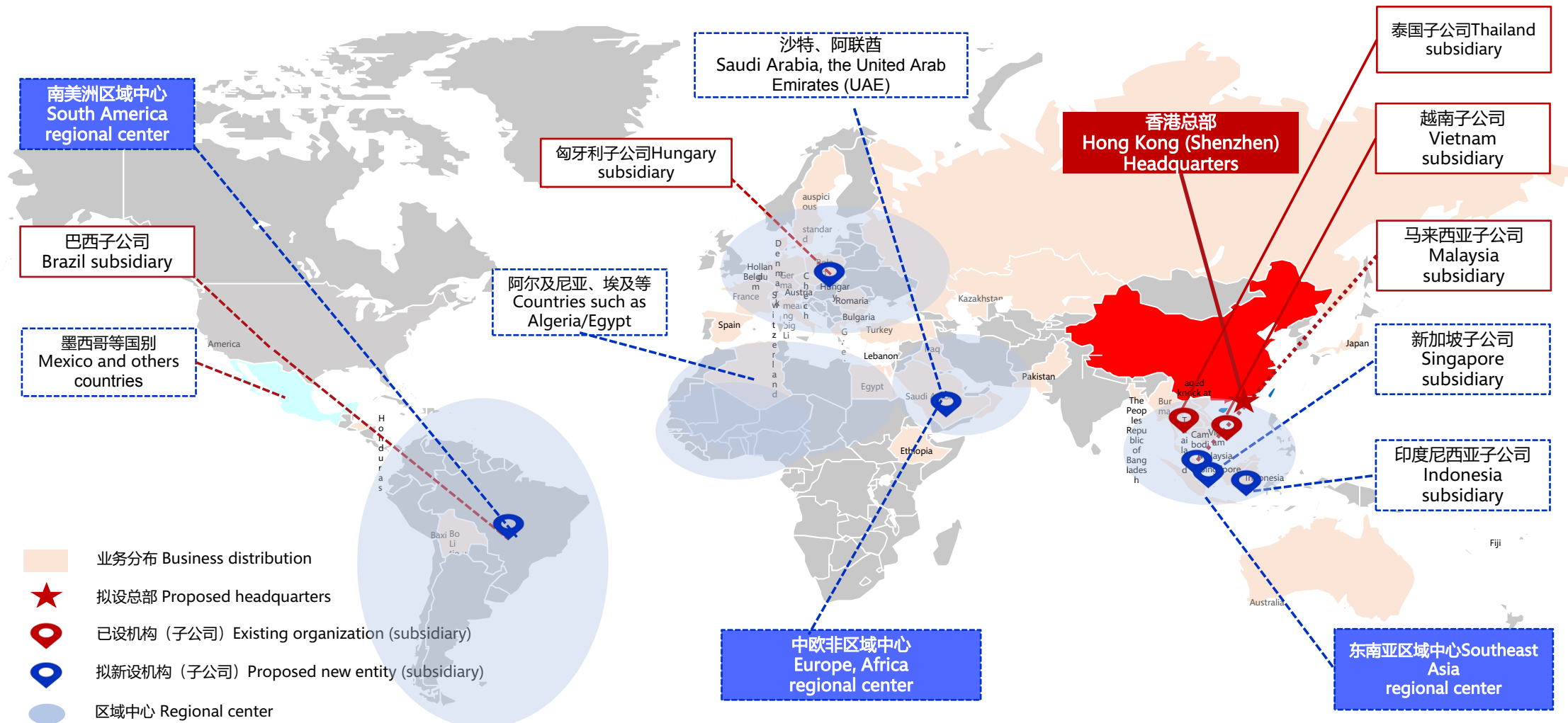


战略定位 Strategic Positioning

全球化产业落地的合作伙伴，提供业务范畴内相关业务全生命周期系统解决方案
A partner for global industrial deployment, providing full-lifecycle system solutions within its business scope

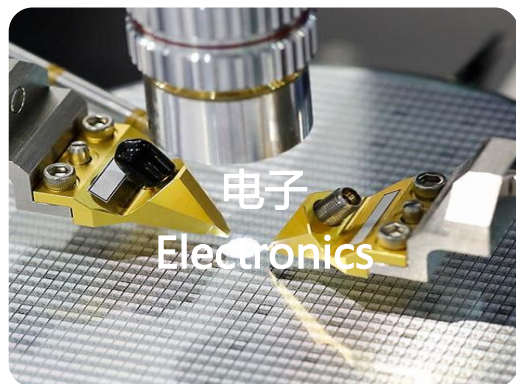


以桑達國際（香港/深圳）为聚焦，形成 “1 总部 + 3 区域中心 + N 子公司”的国别布局
 Focused on SED International (Hong Kong/Shenzhen), forming a country layout of "1 Headquarters + 3 Regional Centers + N Subsidiaries"



专注服务于**电子、大健康、新能源、新基建**等行业领域，为高科技制造产业客户提供生命周期全过程、全方位的**系统工程及配套解决方案**

Focus on electronics, healthcare, new energy and new infrastructure sectors, delivering full-lifecycle and all-round system engineering and supporting solutions for high-tech manufacturing clients



电子
Electronics

聚焦半导体厂、显示面板及消费电子组装线，提供专业制造支持

Focus on semiconductor fabs, display panels & consumer electronics assembly lines, providing professional manufacturing support

助力客户实现高端制造升级，全面提升在全球市场的核心竞争力

Empower clients with high-end manufacturing upgrades to enhance their core competitiveness globally



大健康
Healthcare

覆盖疫苗生产车间、生物制药工厂及前沿基因实验室等核心场

Cover core facilities including vaccine workshops, biopharma plants & advanced gene labs

全方位保障药品生产安全，加速新药研发进程与商业化落地

Ensure full pharmaceutical production safety and accelerate new drug R&D and commercialization



新能源
New Energy

深耕锂电池制造车间、光伏电池及组件智能化生产线建设

Focus on construction of intelligent production lines for lithium-ion batteries, PV cells and modules

全力支持全球能源绿色转型，共建可持续发展的低碳未来

Fully support global green energy transition and build a sustainable low-carbon future



新基建
New Infrastructure

专注超大规模数据中心与人工智能计算中心的基础设施建设

Specialize in infrastructure construction for hyperscale data centers and AI computing centers

夯实数字经济坚实基础，以算力赋能千行百业数字化转型

Build a solid foundation for the digital economy and empower digital transformation across industries with computing power

PART 2

服务能力

SERVICE CAPABILITY

工程业务 Engineering Business

服务内容 Service Content

EPC工程总承包、施工总承包、专业承包、专业分包
EPC, General Contracting, Specialized Contracting, and Specialized subcontracting

服务行业 Served Industry

电子、新能源、食品制药、机械制造、综合等
Electronics, New Energy, Food and Pharmaceutical, General Fabrication, Integration, etc.

供应链业务 International Trading

服务内容 Service Content

服务贸易、进口贸易、出口贸易
Material and service Trade, Import and Export

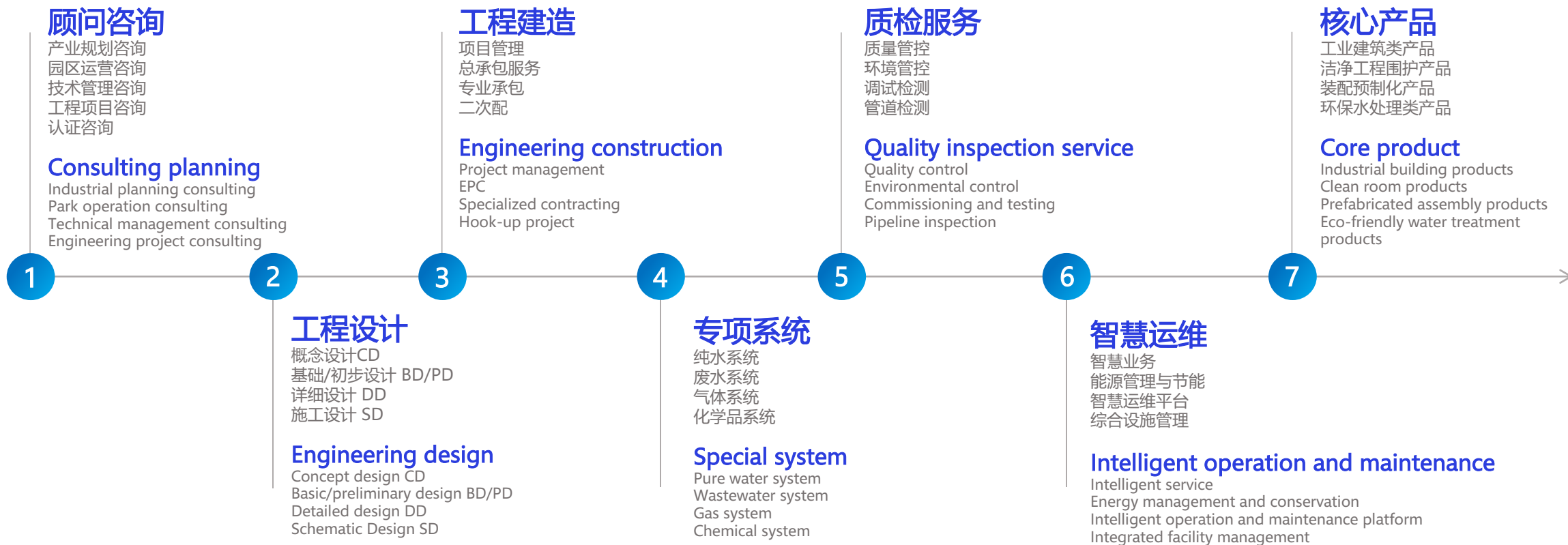
贸易产品

Trade Products

洁净产品等工业建筑领域产品
Clean products and other products in the industrial building field

公司具备一体化系统建设能力

The company has the ability to build integrated systems



贯通客户全生命周期提供一体化专业咨询服务，助力企业出海抢占新机遇

End-to-end consulting services across the customer lifecycle, enabling enterprises to capture new opportunities overseas



20

咨询业务年限

Consulting Service Tenure

1500+

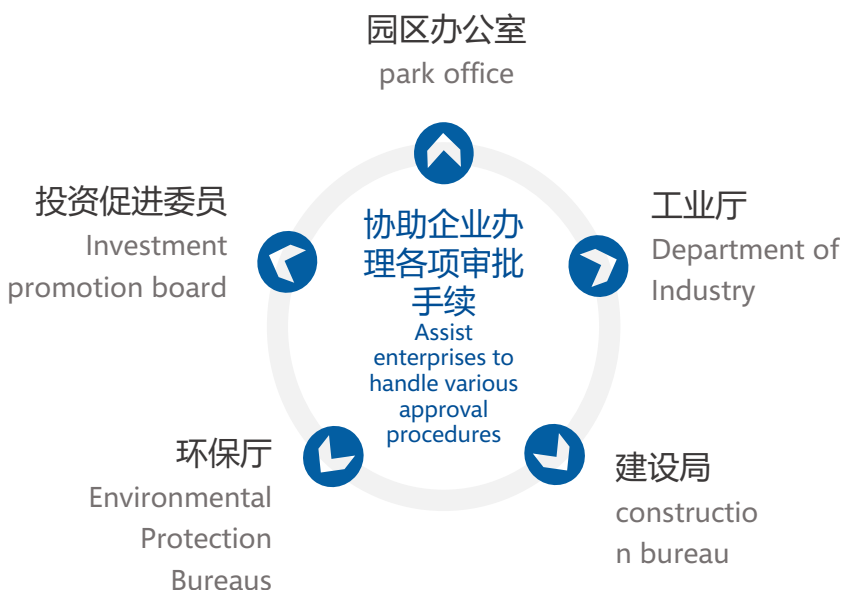
服务项目

Projects served

85+

咨询工程师（投资）职业资格专家

Professional qualifications of consulting engineers (investment)



拥有系统完整的工程设计能力，拥有设计转图能力

Has full-spectrum system engineering design capacity and professional drawing conversion capability.

各类专项设计人才
Design Professionals

1800+

参编国标行标专家
Participating Experts

100+

正高级工程师
Chief Engineer

50+

高级职称及以上
Senior Titles and Above

300+

- 项目图纸须符合当地建筑及消防法规
- 采用“中国标准设计 - 转图报审”模式，降本增效
- 公司与当地设计院深度合作，已完成多个海外项目
- Design drawings must comply with local building and fire codes.
- The "China Standard Design - Local Drawing Conversion & Approval" model reduces costs and shortens schedules.
- Through in-depth cooperation with local design institutes, we have delivered multiple overseas projects.

运用工程仿真+BIM数字化设计实现整厂精益设计

Use engineering simulation + BIM digital design to achieve whole-plant lean design

专业设计 PROFESSIONAL DESIGN

总图建筑
General drawing
construction

结构专业
Structural
specialization

给水排水
Water supply
and drainage

暖通动力
HVAC
power

电气设计
Electrical
design

空间规划
Space
planning

专项设计 SPECIALIZED DESIGN

防微振
Microvibratio
prevention

气体化学品
Gas
chemicals

水处理
Water
treatment

自控智能化
Self-control
intelligence

聚焦高科技工程产业建造领域 引领产业发展

Pioneer In the Field of High-tech Construction

实施范围 Implementation Scope

项目管理Project Management

Design management
Permit and certification
Information and document
Bidding and purchasing
Construction planning and coordination management
Progress/quality/safety/environmental management

工程总承包EPC

EPC、GC、MEP

专业工程总承包Specialized Contracting

Civil engineering
Purification engineering
Secondary distribution
General electromechanical engineering
Environmental protection engineering
Decoration engineering

实施团队 Implementation team

Have a project management team of
nearly 10,000 people

Project Managers >1000

I Class Constructors 930+

II Class Constructors 470+

Senior Engineers 900+

Intermediate Engineers 1850+

Self - owned labor service company

Self - owned skilled workers 2000+

Working years ≥ 20 years 100+ people

Labor service cooperation >30000

实施能力 Capacity

20 billion RMB

Civil Engineering Simultaneous
Implementation Capability

30 billion RMB

Annual Simultaneous Capacity
for MEP

2,000,000m²
clean area

实施理念 Concept

integrated marketing
implementation
integrated design &
construction
integrated civil
engineering &
electromechanical
engineering



通过成本、进度、质量、安全管控，构建项目管理体系

Project Management System through Cost Control, Schedule Control, Quality Control, And Safety Control

01 / 成本控制 前中后期全流程持续管控

Cost Control - Continuous control of the whole process in the early, middle and late stages

前期准备 Early-stage Preparation	方案比选、限额设计 Scheme comparison and quota design
招标期间 During Tendering	管控造价预算清单完整性、合理性 Control the integrity and rationality of the cost budget list
施工过程 Construction Process	把控变更审核流程、编制资金流量表、避免超额支付 Control the change review process, prepare the cash flow statement, and avoid overpayment
竣工结算 Completion Settlement	严控流程，结算费用依据真实有效，量价合理 Strictly control the process and ensure that settlement costs are based on genuine and valid data and that the quantity matches the price

02 / 进度控制 以先进的管理技术及协调能力保障工期

Progress Control - Use advanced management techniques and coordination capabilities to guarantee project progress



03 / 质量控制 提升公司质量意识，遵守规范强条，防范质量风险

Quality Control - Heighten the company's quality awareness, adhere to industry norms, and prevent quality risks



04 / 安全控制 三级安全管控，六大安全体系保障项目安全生产

Safety Control - Three-level safety control and six safety systems to ensure safe project production



Overall Prefab Capability

整场装配化精益建造能力

● **CSA**
Pre-fab rate > 60%

● **C/R Enclosure System**
Pre-fab rate 100%

● **MEP System**
Pre-fab rate > 80%

● **Special Systems**
Pre-fab rate > 90%

提供超纯水高品质供给、废水高标准处理与资源高效率循环系统解决方案

Provide high-purity water supply, high-standard wastewater treatment and high-efficiency water recycling system solutions.

提供特种及大宗气体输送、在线监控与二次配系统，以及化学品、研磨液输送系统的工程设计、咨询、设备供应、安装与检测服务

We provide special & bulk gas distribution, monitoring and secondary piping systems, plus full EPC services for chemical and slurry delivery systems

80+

核心专利
Core patents

130+

研发+设计人员
R&D and design
staffs

100+

水处理化学品
Water treatment
chemicals

10000⁺平

规划建设制造基地
Manufacturing base
planned to be constructed

100%

涵盖设计/施工资质
Coverage of design/
construction qualification

16+

授权专利及成果
Authorized patents
& achievements

纯水系统Pure Water System

纯水关键材料的国产化替代[膜、树脂、UV灯]
Localization and substitution of key
materials for pure water[membrane, resin,
UV lamp]



废水系统Wastewater System

高标准排放[氟化物、重金属、氨氮]
有价值资源回收[氟、铜]
High-standard emissions (fluoride, heavy
metals, ammonia nitrogen,)
valuable resource recovery (fluorine, copper)



气体系统Gas System

氦泄露Helium leakage $\leq 1 \times 10^{-9}$ atm.cc/sec
微颗粒检测Micro-particle
detection $\geq 0.1 \mu\text{m} \leq 1 \text{ pcs/scf}$
 $\text{H}_2\text{O} \leq 10 \text{ PPB}$ $\text{O}_2 \leq 10 \text{ PPB}$



化学品系统Chemical System

金属离子实现相对原液COA数据零增加
微颗粒检测达到Metal ions record zero increase
in relative original liquid COA data
micro-particle detection is $\geq 0.1 \mu\text{m}$, ≤ 3
pcs/ml



系统全面的检测验证服务能力

Systematic and Comprehensive Inspection & Verification Service Capabilities

30⁺年

专注质检服务
Quality inspection
service

2500⁺项

服务项目
Projects served

2500⁺万

设备固定资产
Fixed assets of equipment

60⁺名

具备资质专家工程师
Qualified engineers

设有专业提供第三方工程质量管理及承接调试测试工作部门，提供完整的现场质量管控、检测调试、GMP验证、防微振及环境管控等服务，同时在整个工程进行中，就现场特定施工和测试等问题提供具有价值的评估

A dedicated department delivers third-party engineering quality management as well as commissioning and testing services. It offers full-spectrum support including on-site quality control, inspection & commissioning, GMP validation, micro-vibration mitigation and environmental control, and provides valuable professional evaluation on on-site construction and testing matters throughout the project.



环氧地面含水率验收
Acceptance of VMB
valve box materials



材料元素光谱分析
Spectral analysis of
material elements



VMB阀箱材料验收
Acceptance of VMB
valve box materials



风量测试测试
Warehouse temperature
and humidity testing



高纯管道压力测试
High-purity pipeline
system connection



高纯管道氦测漏
Helium leak detection
for high-purity pipelines



高纯气体含油量检测
Cleanliness testing



洁净气体露点检测
Noise testing A



库房温湿度测试
Air volume testing

设施运维管理全方位服务 All-round service of facility O&M management



产品覆盖工程全生命周期

Products covering the entire engineering lifecycle

100,000+ m²

生产基地面积
Production base area

20+

生产产线
Production lines

4 million+ m²

洁净板材年产能
Annual production
capacity for clean panels

30,000+ m²

洁净门窗年产能
Annual production
capacity for clean doors &
windows

2,000,000 m

支架型钢年产能
Annual production
apacity for
bracket-type steel

150,000 m²

不锈钢风管年产能
Annual production
capacity for stainless
steel air ducts

EM SHIELDED ROOM
电磁屏蔽间



Bio-UISA

High-concentration
organic wastewater
efficient anaerobic reactor



SIE-IDFS

Smart dosing
equipment



SIE-SUPW

Smart integrated small
pure water system



RRR-PMBR

Polishing resin
regeneration core
equipment



RRR-MeRS

Copper-containing wastewater
electrolysis
recovery system



RRR-SPMR

Waste concentrated sulfuric
acid recovery
system



Oxi-HiDU

Small molecule organic matter
enhanced removal equipment



SIE-AsZD

Arsenic-containing wastewater
zero discharge system



SIE-FDRS

Fluorine-containing wastewater
deep treatment system



MAU VALVE GROUP
MAU阀组



质量监督100%覆盖，严把过程关

Covering 100 % quality supervision of the headquarters and strictly controlling the process

公司全员始终秉持“精益求精、品质铸魂”的质量理念，提升公司质量意识，更好为客户服务。严控底线管理，遵守规范强条，防范质量风险。在质量管理中心为主轴，以公司全员参与为基础，在精品意识的驱动下，履行质量承诺，创建精品工程，树立行业标杆，打造国际品牌。

All staff of the company always uphold the quality concept of "Excellence and Quality Priority", and keep the company's quality consciousness in mind to provide better service for customers.

The company strictly controls the management of the bottom line, abides by the rules and regulations, and guards against quality risks. It also aims at fulfilling quality commitments, creating high-quality projects, setting industry benchmarks, and creating international brands in the quality management center as the main axis, based on the participation of all staff of the company, and driven by the awareness of high-quality products.



质量为本，严格标准管理，再创净化工程优势

Quality-oriented, strict standard management, and recreating the advantages of clean engineering

顾客至上，持续体系改进，塑造国际一流形象

Customer first, continuous system improvement, and creating an international first-class image

PART 3

核心优势

TECHNICAL CAPABILITY

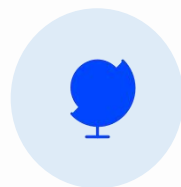


强大的背景支持

Strong Backing

依托中国电子与桑达股份雄厚实力，拥有无可比拟的产业资源、技术储备和融资能力

Leveraging the strong capabilities of CEC and SED, with unparalleled industrial resources, technical reserves and financing capacity

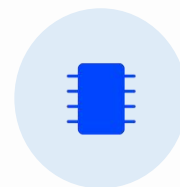


全球化的服务网络

Global Service Network

构建“1+3+N”全球布局体系，提供快速响应、贴近市场的专业本地化服务

Building a "1+3+N" global network to provide fast, market-oriented professional local services



领先的核心技术

Leading Core Technology

深耕洁净系统工程技术领域，沉淀了丰富的大型项目实施经验与深厚的技术积累

Deep expertise in cleanroom system engineering with rich large-scale project experience and profound technical accumulation



多元合作及全生命周期服务能力

Diversified Cooperation & Full-Lifecycle Services

提供工程承包、股权投资、并购、技术授权等多元化合作方案，同时覆盖从前期规划、工程建设到后期运维的一站式闭环服务，适配客户全生命周期需求

Offering diversified cooperation models (EPC, equity investment, M&A, technology licensing) and full-lifecycle one-stop services to meet clients' evolving needs



一体化全链条可控的供应链体系

Integrated Controllable Supply Chain

全链路可控的供应链体系，整合国内外供应商资源与国际物流通道，实现材料集采、跨境运输、本地交付全流程一体化

Controllable end-to-end supply chain integrating global suppliers and logistics for full-process delivery

国际一流的CR洁净工程技术 World-class CR Cleanroom Engineering Technology

拥有设计、建造、产品、运维全产业链自主能力提供尖端科技研发制造受控环境平台

The Company has independent capabilities across the entire industrial chain, including design, construction, product development and operation & maintenance, and provides cutting-edge controlled environment platforms for high-tech R&D and manufacturing.



CFD气流模拟
CFD Airflow Simulation

BIM 5D进度管理
BIM 5D Schedule Management

装配式工程技术
Prefabricated Construction Technology

二次配DMS软件技术
Hook-up DMS Software Technology

P3生物安全负压气密技术
P3 Biosafety Negative Pressure Airtight Technology

数字化交付
Digital Project Delivery

超净洁净室系统：1级洁净等级

Ultra-Clean Cleanroom System: Class 1 Cleanliness Level

超大面积洁净室系统：单层12.5万m²洁净室

Ultra-Large Area Cleanroom System: 125,000 m² Single-Floor Cleanroom

超高空间洁净室系统：单层洁净室高度55.2m

Ultra-High Ceiling Cleanroom System: 55.2m Single-Floor Cleanroom Height

超高精度洁净室系统：温度±0.05℃ 湿度±5%

Ultra-High Precision Cleanroom System: Temperature ±0.05°C, Humidity ±5%

超纯气体系统：9N纯度各种气体

Ultra-High Purity Gas System: 9N (99.9999999%) Purity for All Gases

超纯水系统：电阻率≥18.2MΩ*cm

Ultrapure Water (UPW) System: Resistivity ≥ 18.2 MΩ·cm

洁净室防微振控制：控制微弱振动的传递，防微振VC-E等级

Cleanroom Micro-Vibration Control: Mitigation of Micro-Vibration Transmission, VC-E Vibration Criterion

坚持长期主义 持续稳定的研发投入

Comprehensive Testing Platforms

超**3000**万研发设备仪器

Investment of over RMB **30 million**
in research instruments



超**2000**万实验室建设投入

Investment of over RMB **20 million**
in laboratory construction



超**1000**万工业软件

over RMB **10 million** in industrial software such as
BIM & CFD

