



我们的能效专家团队为您提供咨询、项目管理、深入的产品和应用知识、基于生命周期的服务支持。

Our dedicated energy team can provide the consultancy, project implementation, in-depth product and application knowledge and lifecycle support services.

施耐德电气拥有  
Schneider Electric provides

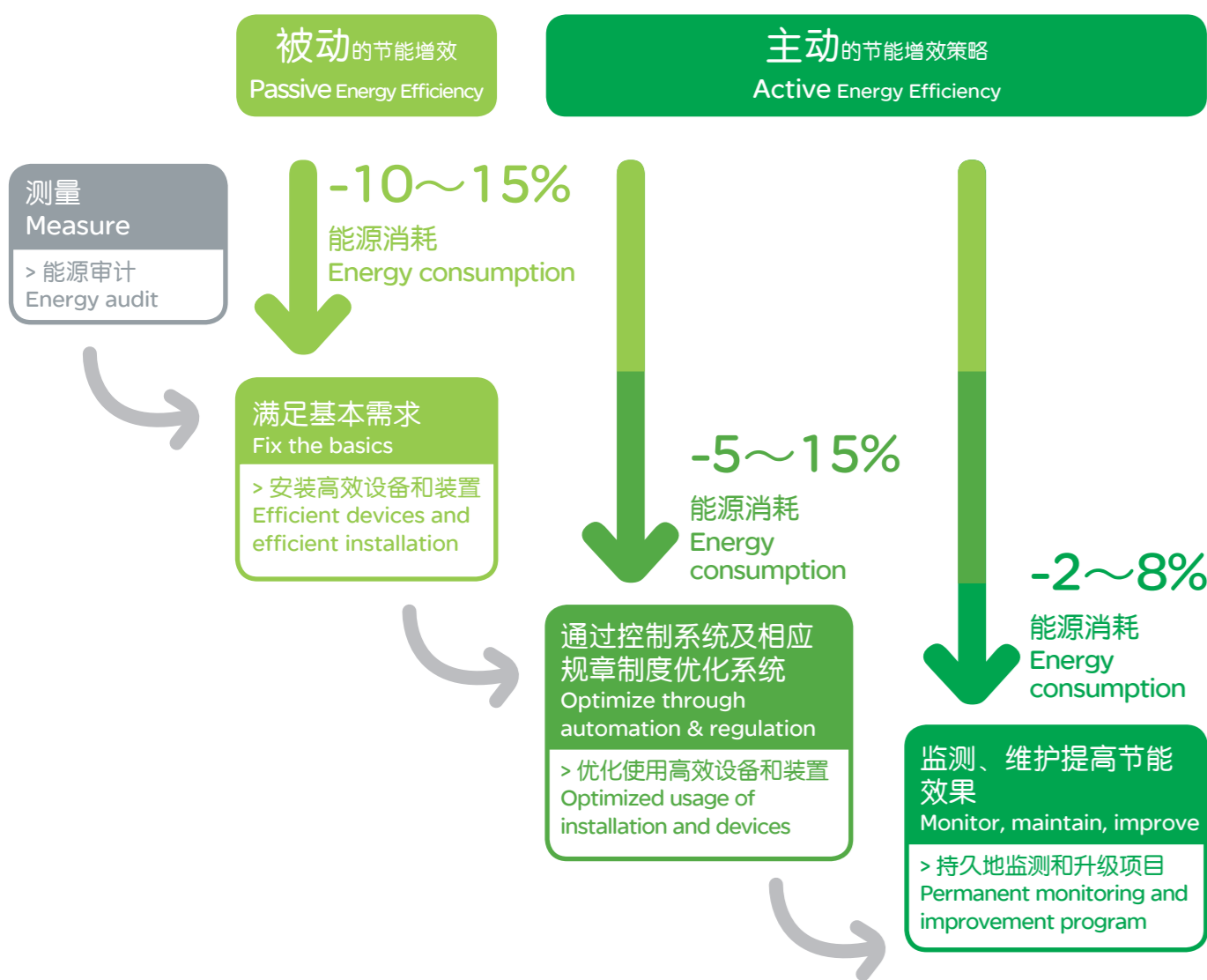
多于 **100** 套节能增效解决方案  
more than energy efficiency solutions

多于 **300** 种节能增效产品  
more than energy efficiency products

今天, **30%**的节能降耗是可以实现的,

感谢“主动的节能增效”策略

30% savings are available today thanks to Active Energy Efficiency.



# 施耐德电气 引领节能增效之路 Leading the way in Energy Efficiency

**全球能效管理专家**施耐德电气致力于更安全、更可靠、更高效、更多产的能源使用。

Schneider Electric, the **global specialist in energy management**, makes energy safer, more reliable, more efficient, more productive and green.

## 我们的承诺 > Our commitment

我们的战略核心简单而有力: 大幅提高自然资源使用效率, “高效”即包括提高盈利性, 也包括促进环境效益。

At the heart of our strategy is a simple and powerful idea: using natural resources more productively and efficiently. This is both profitable and better for the environment.

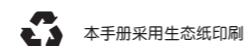
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# 节能增效解决方案 Energy Efficiency Solutions

节能降耗最高可达30% Up to 30% saving right now!

## 工业及基础设施 Industry and Infrastructure

最高达up to  
**20%**  
能源节省 Energy saving



### 节能增效产品 Energy efficiency products

- 暖通空调：用于电机的变频器  
HVAC: variable speed drives for motors
- 电机控制：用于生产的PLC，（可优化与机器“静音”模式管理）；变频器  
Motor Control: PLC for production throughout optimization and machine "mute" mode management
- 能源管理：功率补偿及滤波、表计等  
Energy Management: power compensation and filtering, meters

### 管理系统 Management systems

- 电能监测与分析  
Power monitoring and analysis
- 过程监控系统  
Process supervisory systems

### 成功案例 Achievements

- 安家岭洗煤厂  
An Jia Ling Coal Selecting plant
- 中石化燕山石化污水处理厂  
Water treatment plants in Yanshan Petrochemical Co. Ltd
- 首都机场T3航站楼楼控系统  
Capital Airport, Terminal 3
- 国家体育场照明控制解决方案  
National Stadium (Bird Nest)
- 水立方节能照明动力解决方案  
National Aquatics Center (Water Cube)

### 增值服务 Added value services

- 现场审计  
Site audits
- 数据采集及分析  
Data collection and analysis
- 财务分析及投资回报率(ROI)确定  
Financial analysis & ROI validation
- 实施方案的规划  
Planning of improvement plan
- 远程监测与优化  
Remote monitoring and optimization

## 建筑 Building

最高达up to  
**30%**  
能源节省 Energy saving



### 节能增效产品 Energy efficiency products

- 灯光控制：调光器、定时器移动与存在检测，开关  
Lighting Control: dimmers, timers, movement and presence detectors, switches
- 暖通空调：用于暖通空调水泵的变频器  
HVAC: variable speed drives for HVAC pumps
- 电机控制：变频器  
Motor Control: variable speed drives
- 能源管理：功率补偿、谐波治理、表计等  
Energy Management: power compensation and filtering, meters
- 可再生能源：用于光电转换的系统  
Renewable Energy: system for the production of photovoltaic energy

### 管理系统 Management systems

- 楼宇管理系统  
Building management systems
- 电能监测与分析  
Power monitoring and analysis

### 增值服务 Added value services

- 现场审计  
Site audits
- 数据采集及分析  
Data collection and analysis
- 财务分析及投资回报率(ROI)确定  
Financial analysis & ROI validation
- 实施方案的规划  
Planning of improvement plan
- 远程监测与优化  
Remote monitoring and optimization

### 成功案例 Achievements

- 北京CCTV大楼智能化电力监控系统  
CCTV Building, Beijing
- 上海金茂大厦  
Jin Mao Tower in Shanghai
- 北京展览馆  
Beijing Exhibition Centre
- 家乐福节能超市  
Carrefour Green Stores throughout China
- 对外经济贸易大学  
University of International Business and Economy (UIBE), Beijing
- 深圳红树西岸花园  
West Red-Tree Garden in Shenzhen

## 数据中心 Data Center

最高达up to  
**30%**  
能源节省 Energy saving



### 节能增效产品 Energy efficiency products

- 关键电力：高效UPS、高功率空调设备的供电  
Critical Power: ultra-high efficiency UPS, High Voltage AC power distribution
- 制冷控制：可升级模块化的供电和制冷系统（行间制冷结构），热封闭（热通道和机架封闭系统）  
Cooling Control: scalable, modular power and cooling systems, close-coupled cooling (Integrated In-Row cooling architecture), thermal containment (Hot-Aisle Containment and Rack Containment Systems)
- 暖通空调控制：变频器、泵与风机的控制  
HVAC Control: variable speed drives, pumps and fan control
- 能源监测和控制：配电和工控产品，系统与设备，灯光控制  
Energy Monitoring and Control: electrical distribution and industrial control products, systems and services, lighting control

### 管理系统 Management systems

- 容量和系统调整管理软件  
Capacity and change management software
- 英飞中央数据中心管理软件  
InfraStruXure central data center management software
- 楼宇和机房安全与监控  
Building and room surveillance and security
- 专为室内温度安全与电能消耗配置的楼宇环境服务  
Building environmental services for indoor climate, security and energy use

### 增值服务 Added value services

- 计划：评估与现场审计  
Plan: assessment and site audits
- 过程：项目管理、安装、测试、整合  
Build: project management, installation, testing, integration
- 操作：清洁、检测、维护  
Operate: cleaning, inspection, corrective maintenance

### 成功案例 Achievements

- 中国联通北京数据中心布线工程  
China Unicom's datacenter in Beijing
- 招商银行总行南京备份中心  
China Merchants Bank's Disaster Recovery Datacenter in Nanjing
- 瑞士银行机房  
Datacenter of the Union Bank of Switzerland (UBS)
- 中国平安保险(集团)股份有限公司  
Ping An Insurance (Group) Company of China
- 惠普(中国)有限公司机房  
HP datacenter (China)

**10%**  
人均能耗  
energy saving per employee

## 施耐德电气“能源行动方案” Schneider Electric's Energy Action Program

- 在全球施耐德电气的生产厂区内，人均能源消耗量降低10%
- 施耐德电气在华的21家工厂参与此计划
- 10% energy saving per employee at each Schneider Electric's production sites.
- 21 Schneider Electric's production facilities in China have joined this program.

### 施耐德电气总部办公楼(法国) Schneider Electric's new headquarter in France

- 共3500 m<sup>2</sup>
- 可容纳1700名员工
- 投资回收期也只有3年
- 每年50 kWh/m<sup>2</sup>的耗能量
- 能耗是原办公楼的1/4
- Total: 3500 sqm
- Accommodates 1,700 employees
- Investment returned in 3 years.
- Annual consumption of 50 kW per sqm
- 4 times lower energy bill than former headquarters



## 零排放

南极伊丽莎白公主号科研站  
Princess Elisabeth scientific research station

### 伊丽莎白公主号南极洲科研站 Princess Elisabeth: the first "Zero Emission" scientific research station

施耐德电气与国际极地基金会(IPF)，为第一个“零排放”科研站-伊丽莎白公主号科研站提供配电、建筑管理和远程控制解决方案，在合同范围内能够实现每年减少50,000吨CO<sub>2</sub>的排放。

Schneider Electric worked with the International Polar Foundation (IPF) to provide energy services, solutions and products to Princess Elisabeth, the first "Zero Emission" scientific research station. The contract has seen a reduction of 50,000 metric tons of CO<sub>2</sub> every year.



### 碧波项目 BipBop Program

施耐德电气还发起了碧波项目来帮助世界各地最需要安全和清洁电能的人们。这个项目宗旨之一就是设立基金为缺乏资金的能源企业家们提供资金支持。

Schneider Electric has developed a sustainability program named BipBop to bring safe, clean electricity to the people who need it most across the world. One of the key issues the BipBop program addresses is to provide financial resources for innovative energy entrepreneurs.



目前，施耐德电气加入了众多重要的能源组织，包括：  
Our commitment to our customers has been demonstrated through our active participation in professional energy conservation committees. These committees include

- 节能联盟
- 克林顿气候行动
- 中国节能协会节能服务产业委员会
- 中国建筑电气节能专业委员会
- Alliance To Save Energy (ASE)
- Clinton Climate Initiative (CCI) by Clinton Foundation
- China Energy Conservation Service Industry Association (EMCA)
- Building Electricity Association of Architectural Society of China (BEASC)