

边缘计算助力数字化转型

Edge Computing Enabling Digital Transformation

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案例分析 Use Cases

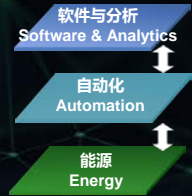
物联网

IoT

加速发展 Accelerate

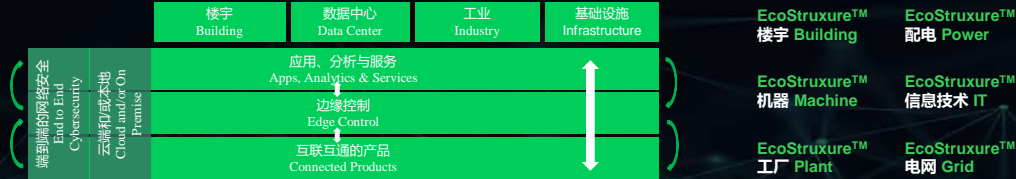
驱动因素：广泛普及的移动技术，嵌入式传感技术，人工智能和分析技术

Drivers: Widespread mobile technology, embedded sensing technology, artificial intelligence and analytics



能源和过程 Energy and Process 优化 Optimization

EcoStruxure™
Innovation At Every Level





法拉利赛车 Ferrari Race

“ 我们会对数据进行实时处理，以持续改善我们的绩效，这意味着系统必须完全可靠，因为在比赛期间，所有的注意力都必须集中于赛车和比赛本身。

Antonio Tomatore,
Scuderia 法拉利的过程主管

“ We will process the data in real time to continuously improve our performance, which means that the system must be completely reliable, because during the race, all the attention must be focused on the car and the race itself

Antonio Tomatore,
Scuderia Ferrari Process Head

客户痛点 Customer Challenge

作为全世界最成功的一级方程式车队之一，法拉利S.p.A.需要一个敏捷、灵活的数据中心，以满足其竞赛团队的边缘计算需求

As one of the most successful Formula One teams in the world, Ferrari S.p.A. needs an agile and flexible data center to meet the edge computing needs

如何对赛车日提供支持，并满足有关规则对数据中心使用提出的不断变化的要求，这些要求根据 How to support Racing Day and meet the changing requirements for the use of data centers set by relevant rules, which vary according to different events

施耐德解决方案 The Solution

InfraStruxure™为集成式数据中心架构，具有良好的适应性和可扩展性，并采用模块化，能够减少耗时并降低复杂程度

InfraStruxure™ the integrated data center architecture, it has good adaptability and scalability, and adopts modularization, which can reduce time-consuming and complexity



解决方案成果 The Result :

不断变化的组态

Swift adaptable

平均故障恢复时间(MTTR)减少了 25%

MTTR 25% less

高度的安全性和灵活性

Highly safe and agile

宝钢股份有限公司 Baosteel Group

“

宝钢股份1580热轧智能车间从工程控制、高效运营、安全可靠、智能化运营等多方面有显著提升。完工后，将成为中国钢厂热轧车间中第一个真正意义的无人行车车间

—— 袁文清，宝钢股份热轧厂厂长

“

The 1580 hot rolling smart workshop achieved significant improvements in engineering control, safety and reliability, and smart and efficient operations. When the project is completed, it will become the first truly unmanned hot rolling workshop in China.

—— YUAN Wenqing, Director of Hot Rolling Factory, Baosteel Group

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客户痛点 Customer Challenge

创新需求：亟需在车间生产的性能、灵活性、可追溯性、数字化等方面实现创新

Need for innovation: achieving innovation in the performance, flexibility, traceability, and digitalization in workshop production

严峻的行业态势：产能过剩、降本增效、节能减排、创新发展能力不足等严峻挑战

Industry issues: challenges in excess capacity, cost reductions, efficiency increases, energy savings and emission reductions, and a lack of innovation

运营效率：人力成本的增加及安全操作程度的加强，促使进一步提升自动化水平

Operational efficiency: rising labor costs and higher standards for safe operation, which requires higher automation levels

施耐德解决方案 The Solution

全套自动化产品解决方案：断路器、变频器、可编程控制器、安全可编程控制器、Fluxx软件管理平台及EMS能源管理系统

Whole set of automated solutions: circuit breaker, frequency converter, programmable logic controller (PLC), switch, Fluxx software management platform and Energy Management System

优化整个车间的吊装及物流系统算法，搭建整个车间的互联互通系统，经实践认证的专家工程服务

Optimize the hoisting and logistics system algorithm of the whole workshop, Build the connected system for the whole workshop, Expert engineering services



解决方案成果 The Result :

在试点车间减少全部20个行车操作人员及数个地面配合人员

A total reduction of 20 roller operators and several ground staff

平均日产量提升15%至30%

Daily capacity increase of 15% to 30% on average

苏世民书院 Schwartzman College Building

“ 苏世民书院是衔接中西方高等教育设施的桥梁。我们和施耐德电气合作，共同打造高品质建筑设施，为全球学者交流融合提供了一流的教学与生活场所。施耐德电气专业、细致、用心的服务，给了我们最安心和放心的合作体验。

—— 周晓明，华润置地工程管理部总经理

“ Schwartzman College has built a bridge connecting Chinese and Western advanced education facilities. We cooperated with Schneider Electric to construct high-quality building facilities that provide first-class teaching and living spaces for academics from around the world. Schneider Electric's deeply professional, meticulous and thoughtful service ensured that we had an outstanding cooperative experience.

—— ZHOU Xiaoming, General Manager, Project Management, China Resources (Holdings) Co., Ltd

客户痛点 Customer Challenge

房地产改革的时代有竞争力的建筑

Improving competitiveness of buildings in an era of reform for real estate sector

低碳可持续的生活方式

Low-carbon sustainable lifestyle

质量控制和超越：LEED金级和国内GBL二星双认证

Quality control and beyond: standards of LEED Gold and China's Green Building Label (China Two Star)

施耐德解决方案 The Solution

SmartStruxure智能楼宇管理平台 (BMS) 和能源管理系统 (EMS)

SmartStruxure Intelligent Building Management Platform (BMS) and Energy Management System (EMS)

智能照明，配电和安全系统解决方案，绿色标准、节能价值和实践实施

Intelligent lighting, power distribution and security system solutions, Green standard, energy-efficient values and practice implementation



解决方案成果 The Result :

通过LEED金级和国内GBL二星双认证，中国首个获得LEED认证的学术建筑

Certified with LEED Gold and China's Green Building Label (China Two Star), becoming the first LEED Gold-certified academic building in China.

整体建筑消耗减少20%

20% less total energy consumption by the building and global recognition

Thanks!

Thanks!

Thanks!