Customer-orientation
Create value for customers

WellinTech

目录 CONCENTS

01

章节 PART

About WellinTech

1.1 China's earliest professional automation software company

1995: First domestic configuration software launched - KingView

1997: Formally established Beijing WellinTech Co., Ltd.

2000: KingView had been completely localized in the low-end market

2006: The first commercial real-time database platform in China- KingHistorian was officially released.

2008,High-end configuration software-KingSCADA is widely used in municipal, oil and gas, mining and other industries.

2012: Established Tianjin R&D Center and Xi'an R&D Center

2013: Started KingFusion and KingCloud development

2014: KingView 7.0 released

2016: The management and integration integrated configuration platform KingFusion3.0 officially released

2017: The second anniversary of the establishment of WellinTech.....

1.2 China's largest industrial automation software company

More than 30 branches:

- Shanghai Branch
- Guangzhou Branch
- Nanjing Office
- Chengdu Office
- Chongqing Office
- Kunming Office
- Wuhan Office
- Changsha Office
- Jinan Office
- Shenyang Office
- Xi’an Office
- Xinjiang Office
- …
- **Beijing R&D Center**
- **Xi’an R&D Center**
- **Tianjin R&D Center**

1.3 Asia's automation industry is at the forefront of internationalization

WellinTech Global: plans to increase to 10 overseas branches in 2020

About WellinTech

1.4 The most powerful domestic software brand in the field of automation software

R&D advantage: the largest R&D team of industrial automation and information software in the world

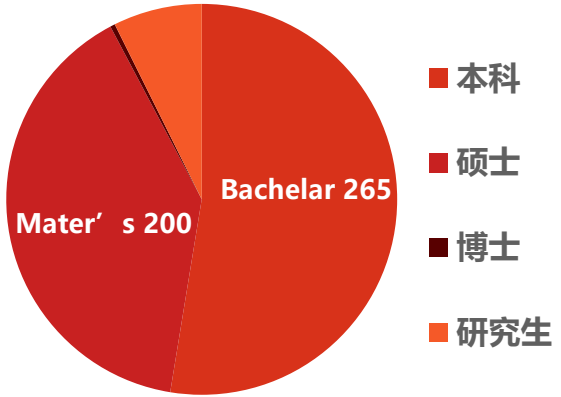
Company research and development

At the beginning of 2017, the company has more than 500 employees.

R&D personnel account for more than half of the company

One-third of annual sales are invested in research and development

WellinTech personnel



1.4 Highly praised enterprise in the field of automation software

Many honors: Many times have been rated as advanced enterprises, trustworthy enterprises, excellent enterprises, and won many awards in products, technology, programs, etc.

1.4 The most powerful industrial automation software company in the field of automation software

Many honors: Many times have been rated as advanced enterprises, trustworthy enterprises, excellent enterprises, and won many awards in products, technology, programs, etc.

1.5 Industry strength has gained industry recognition

CCIA 中国通信工业协会
China Communications Industry Association

ICSISIA 工业控制系统信息安全产业联盟
Industrial Control Systems Information Security Industry Alliance

中国机电一体化技术应用协会
CHINA ASSOCIATION FOR MECHATRONICS TECHNOLOGY AND APPLICATION
搭建中国制造迈向中国智造的桥梁

中国科技自动化联盟
CSAA 成员企业

边缘计算
Edge Computing
CONSORTIUM

工业互联网产业联盟
Alliance of Industrial Internet

CIMSIC 中国智能制造系统解决方案供应商联盟
China Intelligent Manufacturing System Integrator Consortium

CAA 中国自动化学会
Chinese Association of Automation

02

章节 PART

Company’s products

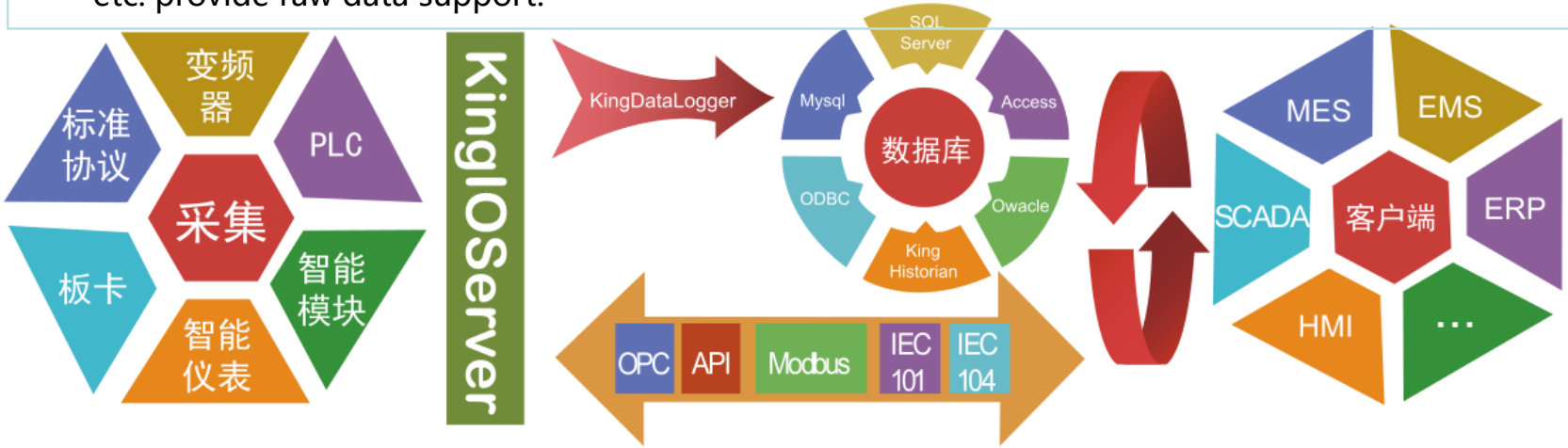
Company’s products

WellinTech has the world's longest and most complete automation and information software product line.

Company’s Products

◆ Data Acquisition Platform—KingIOServer

- ✓ The independent data acquisition platform realizes data acquisition for more than 5,000 kinds of devices; supports multiple databases, multiple ways of storage, and provides standard and unified data sources for third-party software or data collection and supervision platforms.
- ✓ Can be widely used in municipal, oil and gas, electric power, mining, logistics, automotive, large equipment and other industries, for the monitoring center (SCADA / HMI), energy management system (EMS), manufacturing execution system (MES), enterprise resource planning system (ERP)) etc. provide raw data support.



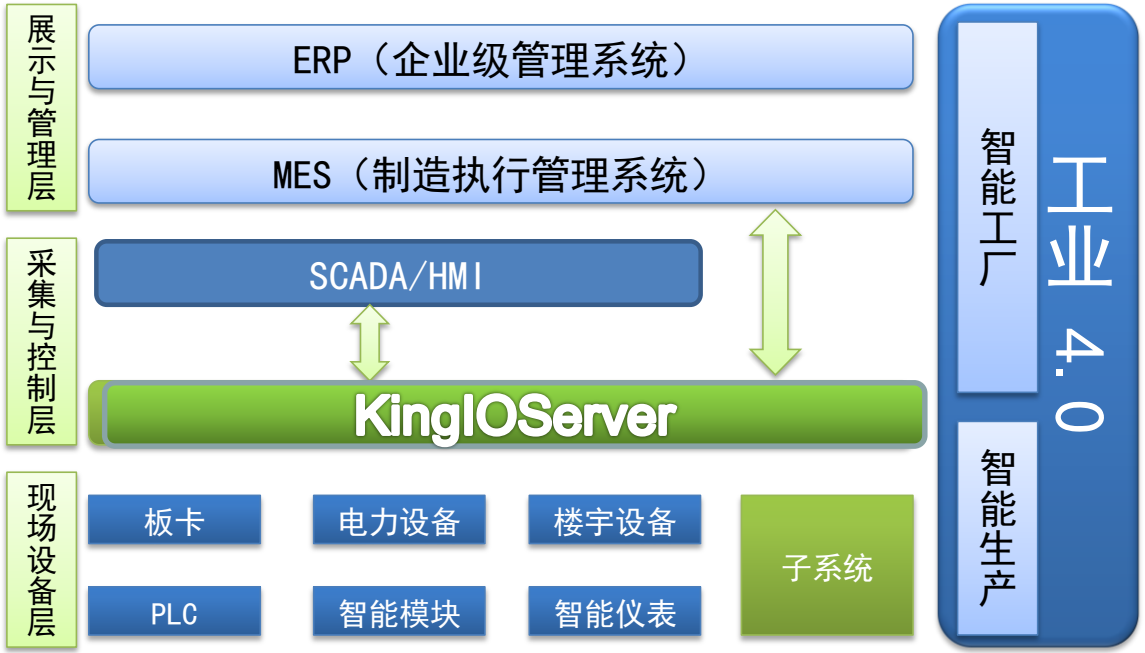
Company’ s products

◆ Data Acquisition Platform——KingIOServer

Application scenario:

Products are widely used in:

- ✓ Informatization transforms traditional industries and upgrades the original system.
- ✓ Wide range of points, geographical dispersion, remote monitoring.
- ✓ Uneven distribution, complex communication links, remote transmission, high real-time.
- ✓ Remote real-time monitoring, historical data storage, requiring data security and reliability



Company’ s Products

◆Equipment and station level monitoring platform —KingView Collection

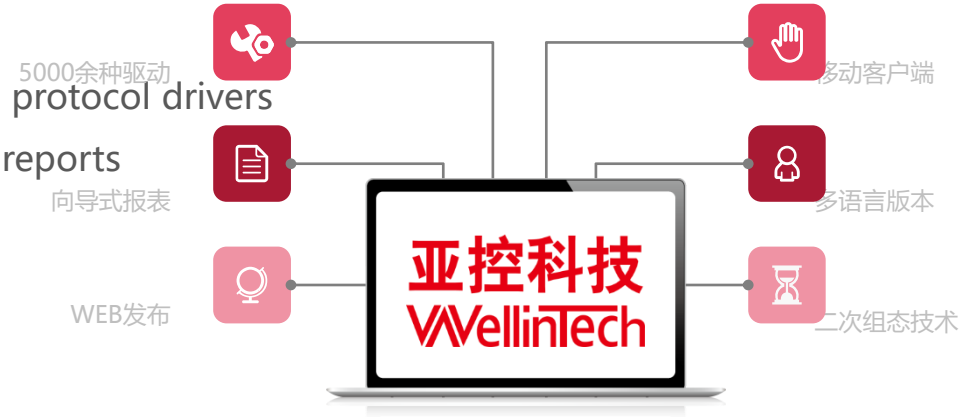
KingView is the King of Configuration software, the first brand of domestic configuration software, the number of domestic installed capacity, the number of users first

Market positioning:

Highlight individualized configuration for device level or station level monitoring

Product Features:

- ✓ Support more than 5,000 devices and protocol drivers
- ✓ Flexible and easy-to-use wizard-style reports
- ✓ Support OCX WEB release
- ✓ Support for mobile clients
- ✓ Support for multi-language versions
- ✓ Secondary configuration technique



Company’ s Products

◆ Section level and plant level monitoring platform—KingSCADA Collection

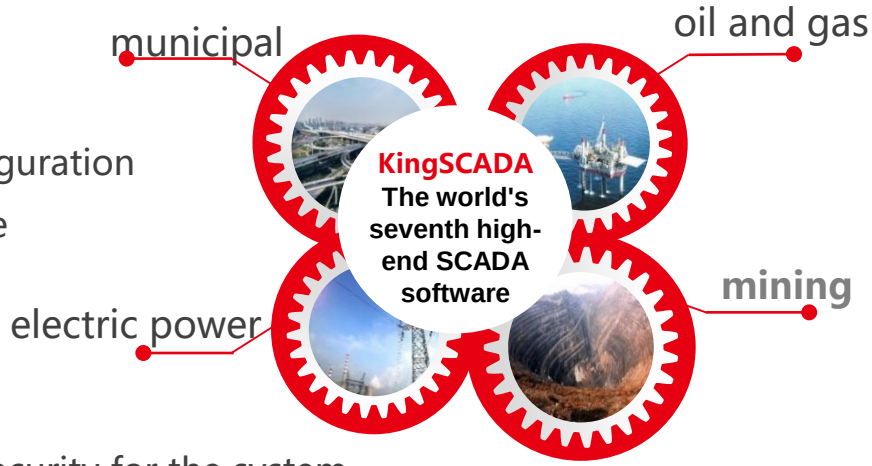
China's first high-end SCADA software, the seventh brand in the global mid-to-high-end market

Market positioning::

For the construction level and plant level monitoring and management, it is widely used in municipal, oil and gas, mining, electric power and other industries.

Product Features:

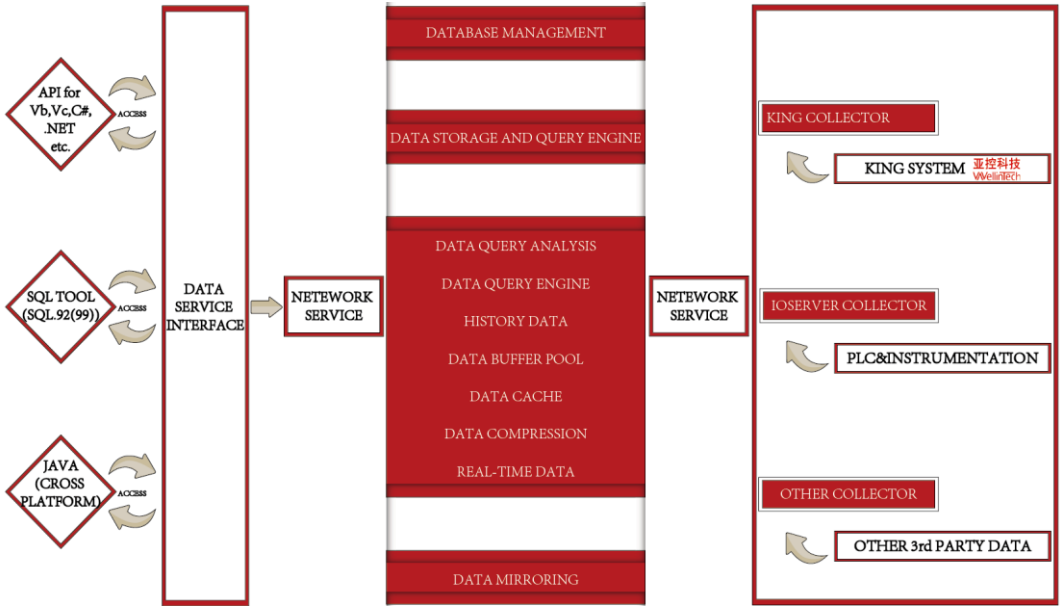
- ✓ Graphic display platform for 3D effects
- ✓ Model introduction, fast multiplexing configuration
- ✓ Intelligent diagnosis, fault and performance online monitoring
- ✓ Independent acquisition, performance is more stable and reliable
- ✓ Multiple redundancy schemes to provide security for the system
- ✓ Powerful network function, flexible construction of three-tier network architecture



Company’ s products

◆ Real-time database platform——KingHistorian

China's first commercial industrial real-time database platform



Efficient performance:

- ✓ The stand-alone capacity is 1 million points.
- ✓ Store 500,000 / sec, query 600,000 / s.
- ✓ Rich data access interfaces such as API, ODBC, OLEDB (ADO), SDK, etc.
- ✓ More than 150 API interface functions, support C, C++, C#, VB and other languages for database development
- ✓ SQL interface conforming to SQL-92;
- ✓ JAVA interface.

Unique data compression technology:

- ✓ Efficient data compression with a compression ratio of 25%-95%.
- ✓ You can set the compression ratio yourself as needed.

◆ Factory-level and group-level comprehensive monitoring platform (1) —KingRTIP

Mature, traditional two-in-one "integration" information solution

Market positioning::

Comprehensive monitoring and management at the plant and group level

Platform features::

- ✓ Data acquisition through various links
- ✓ Support for systems that process millions of variables
- ✓ Rich data analysis tools
- ✓ Complete and open data display

◆Factory-level and group-level comprehensive monitoring platform (2) —KingFusion

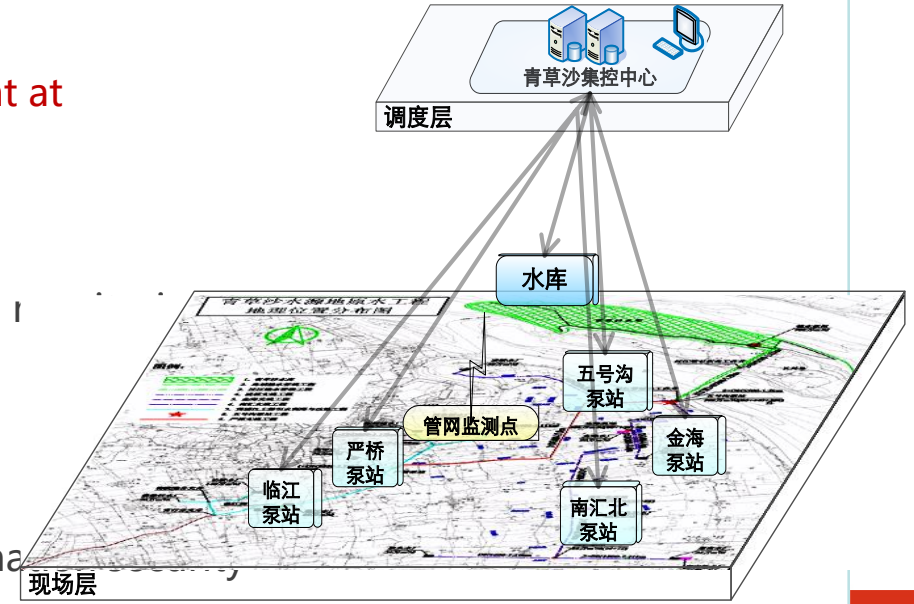
Two-in-one "depth" fusion information solution

Market positioning:

Comprehensive monitoring and management at the plant and group level

Product Features:

- ✓ Realize the full integration of production r system and management system
- ✓ Fusion with GIS systems
- ✓ Fusion with video and audio systems
- ✓ Cross-platform services to ensure informa
- ✓ Support for millions of variables



Company’ s Products

◆ Cloud Platform——KingCloud (In research and development)

Cloud-based technology to remove load constraints and achieve load balancing for hyper projects and big data applications

Product Highlights:

- ✓ No hardware restrictions, cost savings
- ✓ Support Linux platform, safe and reliable
- ✓ Support device hot swap, easy to maintain
- ✓ Model objectization, development efficiency is higher
- ✓ Support online configuration for greater scalability
- ✓ Full support for load balancing for higher performance

03

章节 PART

Business segments

Business segments

WellinTech's rich product line, the world's leading "two-in-one integration" complete solution is widely used in municipal, water conservancy, electric power, petroleum, chemical, mining, environmental protection, transportation, metallurgy, aerospace, food and beverage, machinery manufacturing, Military industry and other pillar industries have won good reputation in various application industries.










Business segments

Business unit

Sales

Pre-sale

Solution

Facing the industry:
professionalism, efficiency, execution

Specialization, customization

- Municipal
  - Water supply / water / heating
  - Environmental protection
  - public building
  - traffic
- Energy
  - Petroleum gas
  - Electric power
  - Mine
  - Chemical industry
- Heavy industry
  - Car
  - Military, aerospace, ship
  - Mechanical equipment/metal products
  - Metallurgy and rubber
- Light industry
  - electronic
  - food and drink
  - Pharmaceutical
  - Textile clothing

Business segments

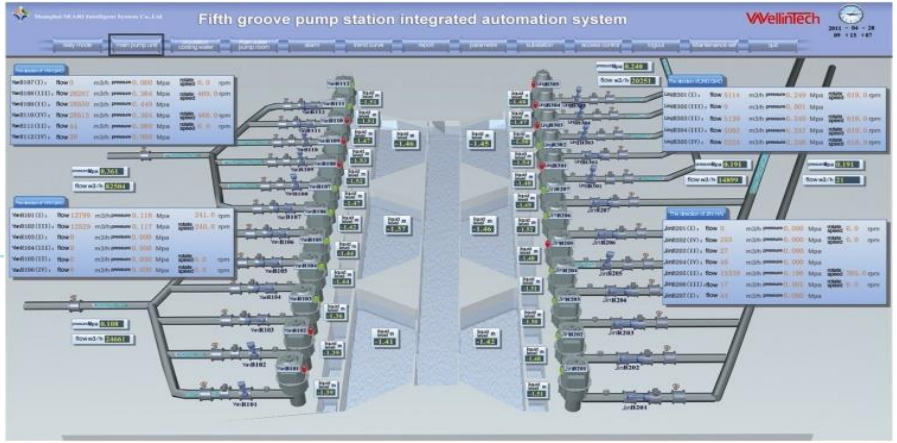
3.1 Municipal Division

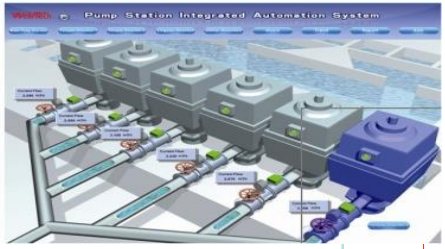
- ✓ Water conservancy: gate, pump station monitoring system and dispatch management system
- ✓ Water supply: water plant monitoring system, water supply dispatching system, secondary water supply control, smart water
- ✓ Sewage: sewage plant monitoring system, sewage operation management system, urban pipe network and drainage management system
- ✓ Heating: urban heat network monitoring and dispatch management
- ✓ Gas: station control system, city gas dispatch system
- ✓ Buildings: BAS systems, IBMS systems, etc.
- ✓ Transportation: highway tunnel, rail transit, port terminal monitoring system
- ✓ Environmental protection: water quality monitoring, pollution source monitoring, environmental protection integrated monitoring and management system

Business segments

3.1.1 Water industry

Shanghai Qingcaosha Raw Water Project Wuhaogou Pumping Station





- ✓ The total scale of water supply is 7.08 million m3/day, the world's second largest pumping station, Asia's largest raw water project
- ✓ The main pump unit is 24 large vertical mixed flow pumps with a lift of 35m.
- ✓ High-performance data acquisition and high-reliability equipment control ensure safe and stable operation of the pumping station
- ✓ The system provides vivid and realistic images and simulation animations. Combined with video images and GIS system, the device is easy to operate, and the alarm/curve query is flexible and convenient.
- ✓ Realization and Informatization of Pumping Station Based on Data Analysis and Application of Industrial Database

Business segments

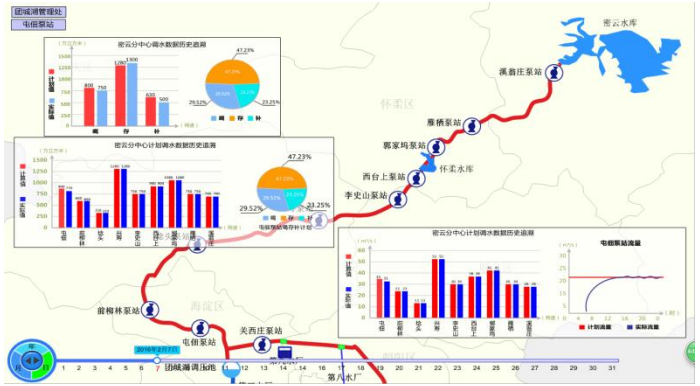
3.1.1 Water industry

Water conservancy dispatch management system

- ✓ Based on the water transfer demand, each management level scheduling plan is formulated, which is the core of production; the flow scheduling model is used to schedule production.
- ✓ Track current plan fulfillment, assess quality, and provide real-time feedback to ensure that the plan is performing properly.
- ✓ Historical traceability is the statistical analysis and comparative analysis of historical data, enriching the experience base, assisting in the formulation of plans, and organizing production.

Typical Case:

- ✓ Intelligent water supply dispatching system for Beijing South-to-North Water Transfer Project
- ✓ Pumping Station Group Optimization Dispatching System of Wangzhuang Water Supply Project in Yanzhai, Tianjin
- ✓ Shanghai Qingcaosha Raw Water Project Dispatching System
- ✓ Raw water project dispatching system for water source in the



3.1.2 Heating industry

Urban central heating project

Typical Case:

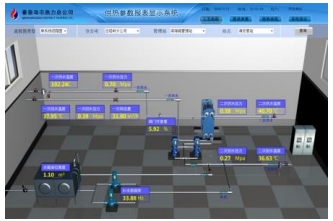
- ✓ Beijing Heating Group
- ✓ Weihai Thermal Power Group
- ✓ Qinhuangdao Heating Company
- ✓ Qinhuangdao Heating Company
- ✓ Taiyuan Thermal Company
- ✓ Baotou Thermal Company
- ✓ Datong Thermal Company
- ✓ .....

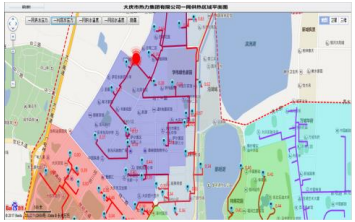
Typical Project:: Beijing Heating Group

- ✓ The total number of monitoring thermal stations is 2,809
- ✓ The total heating area is more than 200 million square meters.
- ✓ Monitoring points exceed 200,000 points

Typical Project: Weihai Thermal Power Group

- ✓ 200 monitoring and heating stations and 116 virtual stations
- ✓ Remote network communication building control valve 18,000 or so, scheduling system total points in 300,000 points
- ✓ Integrated management and management information platform integrating geographic information, meteorological management, load forecasting, heat network monitoring, thermal remote meter reading, indoor temperature measurement system, production scheduling management, energy management and other subsystems





Business segments

3.1.3 Intelligent building industry

Typical Project: Guangning Dongfanghong Satellite Building IBMS Monitoring System

- ✓ Multiple subsystems: fire protection, video surveillance, access control management, electronic patrol, HVAC, water supply and drainage, power distribution, elevator monitoring, parking management, information release, background music, energy management, etc.
- ✓ Centralized monitoring: centralized monitoring and management of many decentralized devices.
- ✓ Linkage mechanism: subsystem linkage to improve management efficiency.
- ✓ Energy management: statistical analysis of energy consumption, optimize equipment operation status, reduce energy consumption, and save economic costs.

Business segments

3.1.3 Intelligent building industry

Typical Project: Ningbo High Speed Railway Station BAS System

- ✓ Centralized monitoring: centralized monitoring and collaborative management of all subsystems of intelligent buildings. Reliable logic control ensures stable and reliable operation of the entire system.
- ✓ Accident control: The alarm prompts diversification, and the alarm system is associated with the emergency response system to eliminate potential safety hazards.
- ✓ WEB support: B/S architecture for remote monitoring.
- ✓ Analyze the report: Analyze intelligence, report intuitively, realize resource optimization configuration, and effectively improve management level.

Business segments

3.1.4 Gas industry

City gas engineering

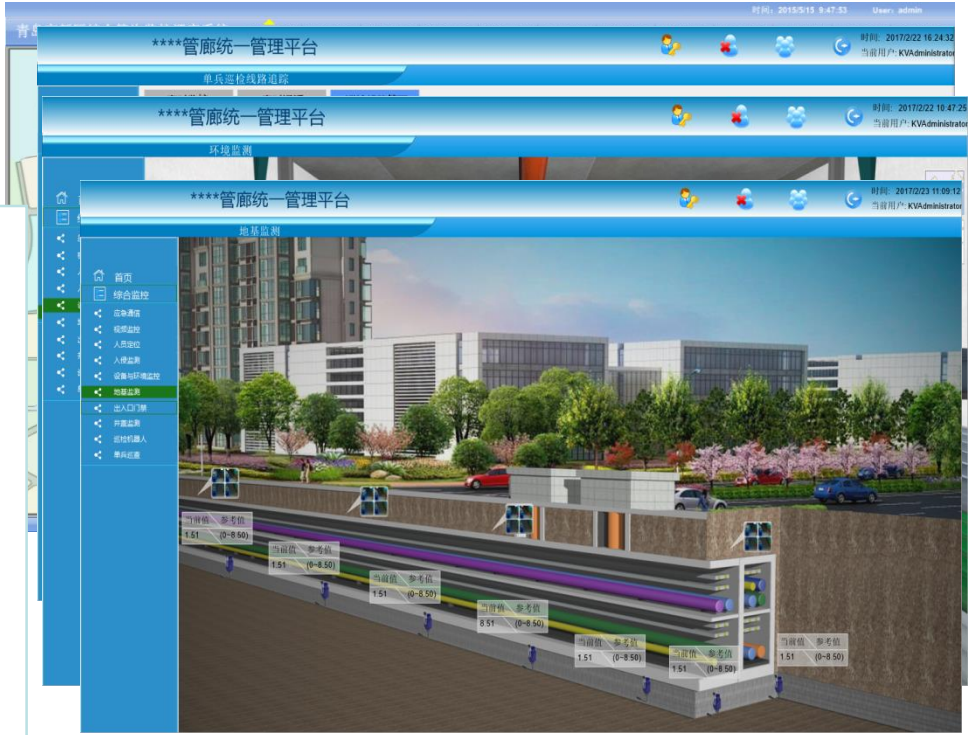
Typical Case:

- ✓ Kunlun Gas Hunan Branch Dispatching System
- ✓ Hangzhou Zhongchao Dispatching System
- ✓ Nanjing Medium Combustion Dispatching System
- ✓ Chongqing Gas Dispatching System
- ✓ CNOOC Chaozhou Gas SCADA System
- ✓ Weihai Port China Gas SCADA System

3.1.5 Pipeline industry

Qingdao High-tech Zone Integrated Pipe Gallery Monitoring System

- ✓ The largest and longest underground integrated pipe gallery in China, about 55 kilometers
- ✓ Integrate environmental monitoring, security, fire protection, video and other subsystems, unified information display platform
- ✓ Quickly locate system alarm information and realize linkage of various subsystems



3.2 Energy Division

- ✓ Oil and gas field plant level SCADA system, district level centralized control system, oil and gas field station control SCADA system
- ✓ Oil and gas field plant-level, company-level production management integrated information platform
- ✓ Mine integrated automation system, mine production scheduling SCADA system
- ✓ Safety Supervision Bureau and monitoring and dispatching system of each branch information center
- ✓ Local coal mine group, mining company information center centralized control system
- ✓ Wind power plant centralized control center system
- ✓ Thermal power plant auxiliary network monitoring system and SIS system
- ✓ Chemical industry MES system





Business segments

3.2.1 Oil and gas industry

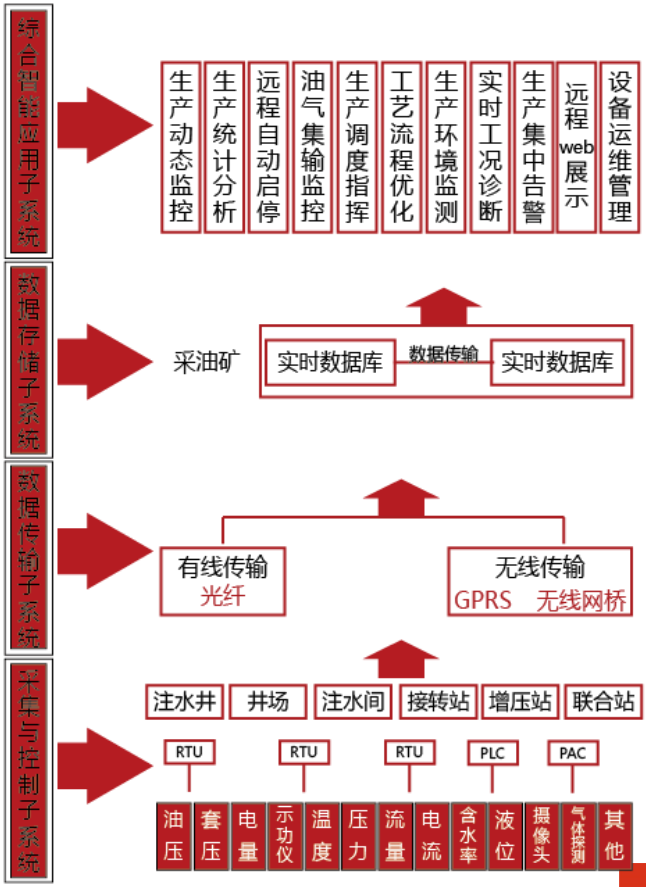
Oil control operation area centralized control SCADA system project

Program highlights:

- ✓ Integrated monitoring of well station integration and source supply and distribution
- ✓ Collection and analysis of oil well power map data
- ✓ Real-time monitoring of liquid production and water injection in the whole district
- ✓ Cross-oil linkage control
- ✓ Real-time data and video dual monitoring
- ✓ Automatic generation and replenishment mechanism for reports

Typical Case:

- ✓ More than 60 oil production area SCADA systems in eight oil production plants in Changqing Oilfield



Business segments

3.2.1 Oil and gas industry

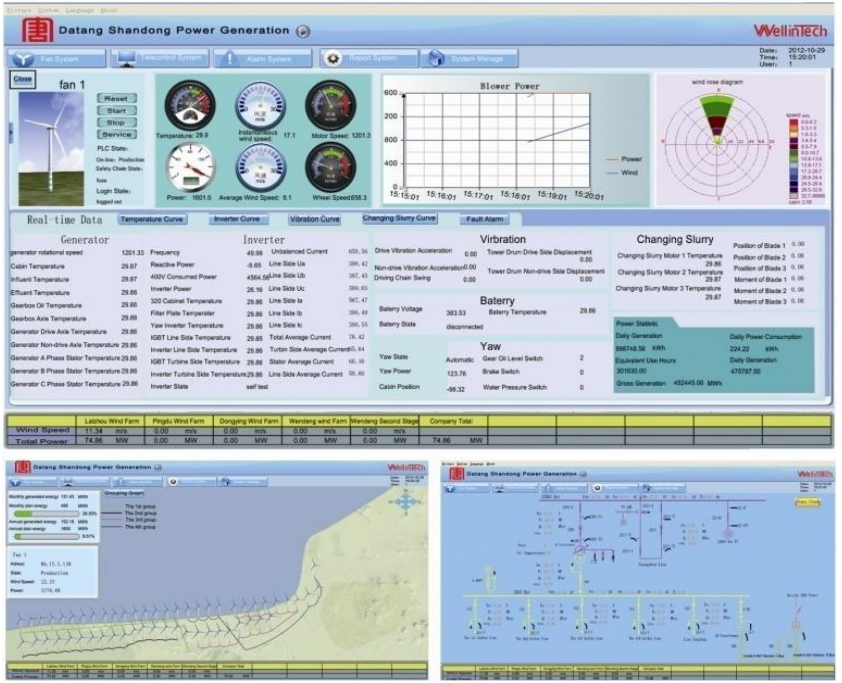
Oil and gas field production management integrated information system

- ✓ Information resource sharing: realize the interconnection and mutual sharing of data, and integrate the application of each system platform.
- ✓ Fine management: Track production and water injection in real time, realize integrated management of production process, and form closed-loop management and regulation.
- ✓ Production scheduling: job scheduling, vehicle scheduling, work meetings, scheduling log management, etc.

3.2.2 Power Industry

Datang Shandong Wind Power Central Monitoring Project

- ✓ China's first wind farm centralized control center project
- ✓ Now it has put into operation 6 wind farms with a total of 198 wind turbines and 4 substations with a total installed capacity of 297MW.
- ✓ Finally, 20 wind farms will be monitored, and the number of centralized control systems will exceed 300,000 points.



3.2.3 Mining industry

Shanxi Sitong Coal Industry Integrated Production Project

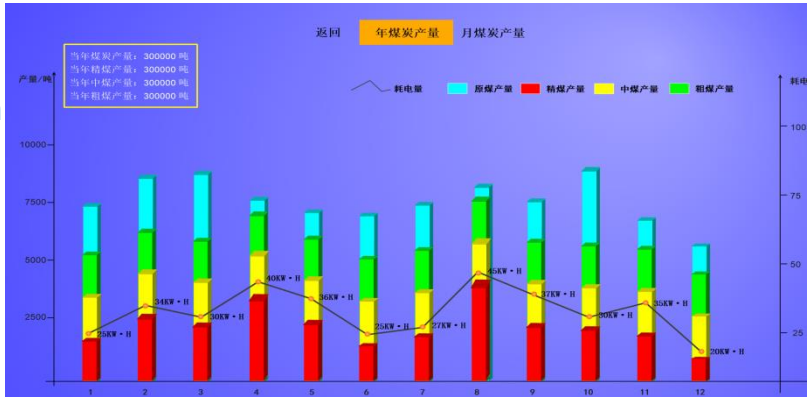
Comprehensive analysis

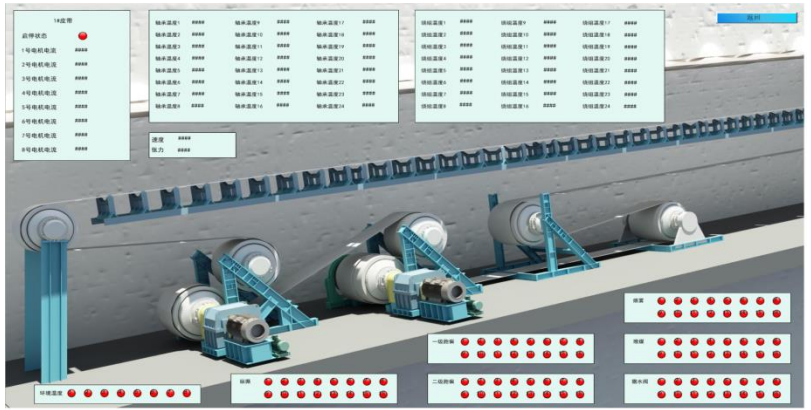
- ✓ Comprehensive safety analysis
- ✓ Mechanical and electrical analysis
- ✓ Coal production and sales curve
- ✓ Comprehensive analysis of ventilation

Integrated management

- ✓ Duty log
- ✓ Scheduled task push
- ✓ Equipment maintenance management
- ✓ Safety hazard rectification
- ✓ Maintenance task arrangement
- ✓ Three violations

Integrated automation





Business segments

3.2.3 Chemical Industry

Blue Star Chemical Factory Production Planning Management System

Plan to issue

✓ Monthly plan, weekly plan

Production scheduling

✓ Equipment production line and capacity information, production scheduling Gantt chart

Plan management

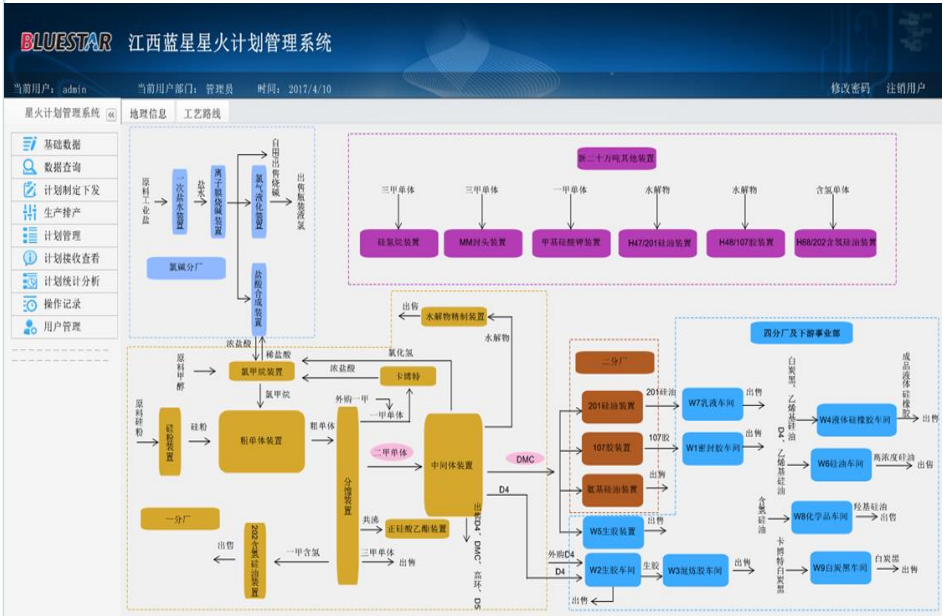
✓ Plan version management, exception management

Planned statistical analysis

✓ Plan completion rate analysis, plan completion analysis

Basic data management

✓ BOOM data, materials, inventory, capacity, sales forecast, purchasing power, packaging capacity



Business segments

3.3 Heavy Manufacturing Division

Related to the heavy manufacturing industry:

- ✓ Production line intelligent SCADA system;
- ✓ Manufacturing MES systems;
- ✓ Remote operation and service systems for large equipment and equipment;

Business segments

Transportation equipment manufacturing

- ✓Automobile manufacturing and auto parts manufacturing
- ✓All kinds of special vehicles, new energy vehicles manufacturing
- ✓Rail transit vehicle manufacturing, high-speed rail, trains, rail transit vehicles, etc.

Aerospace, ship, military

- ✓Military industry, aerospace equipment, shipbuilding
- ✓Ship cabin automation, informationization
- ✓Ship shore information
- ✓Military equipment facilities, base automation, information technology

Mechanical equipment and metal products

- ✓All kinds of construction machinery, equipment and equipment manufacturing
- ✓Equipment and equipment work
- ✓Manufacturing of various metal products

Metallurgy and rubber

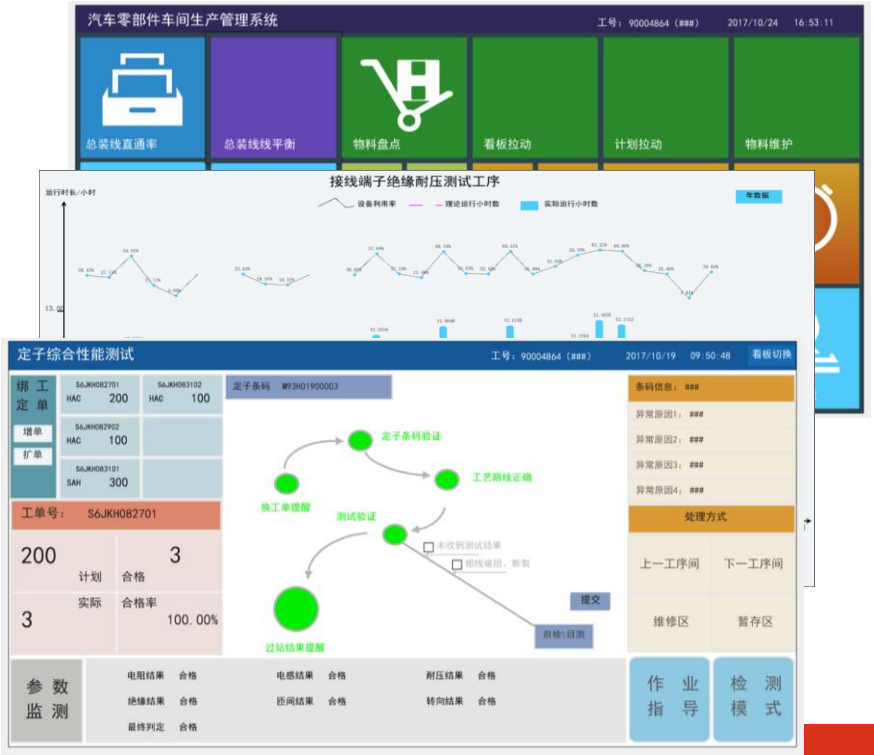
- ✓Steel, non-ferrous metal smelting, timber
- ✓Rubber refining
- ✓Rubber products manufacturing, tires, rubber products, etc.

Business segments

3.3.1 Auto parts manufacturing

An auto parts MES

- ✓ Real-time tracking of production progress;
- ✓ The production materials in the workshop are automatically counted and dynamically pulled;
- ✓ Product lineage is fully traced;
- ✓ Key station human-computer interaction;
- ✓ The quality of the production process is error-proof, and the process parameters are automatically issued;
- ✓ Multi-class, complex protocol device integration, data acquisition;
- ✓ The production process is “transparent” and the workshop is paperless.



3.3.2 Energy management

Manufacturing energy management system

- ✓ Energy demand planning management;
- ✓ Energy consumption data collection;
- ✓ Energy network map, real-time monitoring of energy consumption and abnormal alarms;
- ✓ Statistical analysis of energy performance;
- ✓ Energy benchmarking management;

Business segments

3.3.3 Heavy machinery industry

Large-scale mechanical equipment remote monitoring and management system

- ✓ Top 50 global construction machinery manufacturers, the most competitive brand in China's construction machinery industry
- ✓ The project collects more than 20 million data points.
- ✓ Process 200,000 real-time data requests per second
- ✓ Real-time management of more than 26,000 devices

3.3.4 Car Parts

Auto parts product traceability management system

- ✓ Establish the relationship between the product and the production process, and realize the product traceability function;
- ✓ Realize product quality traceability and provide support for product quality management system;
- ✓ The traceability function is traced from raw material to finished product, from processing machine to operator.

3.4 Light Manufacturing Division

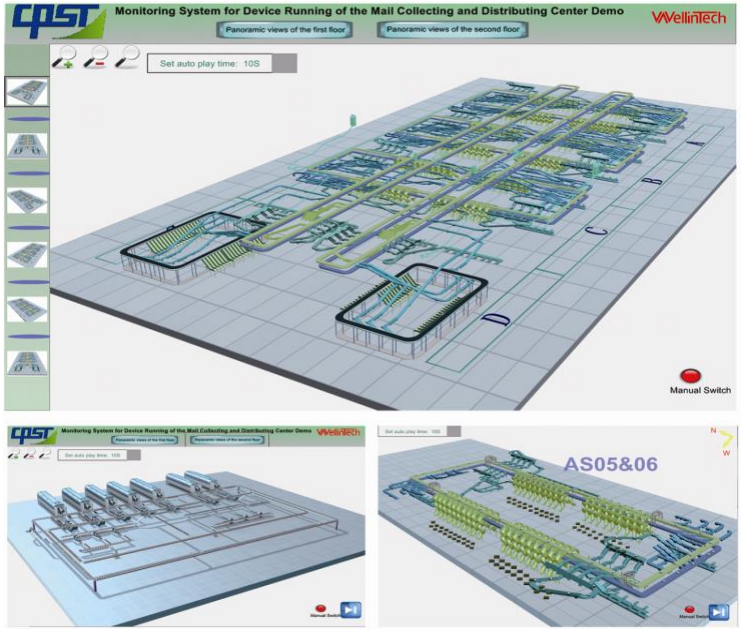
- ✓ Various production line monitoring systems and management systems
- ✓ Energy management system
- ✓ Various types of mechanical equipment remote monitoring and management system
- ✓ Electronic and electrical semiconductor production scheduling and information system
- ✓ Food and beverage tobacco production scheduling and information system

Business segments

3.4.1 Production monitoring project

China Post Nanjing Mail Distribution and Sorting Center Production and Equipment Operation Monitoring System

- ✓ The world's third largest express logistics remote monitoring system
- ✓ Asia's largest express logistics processing center
- ✓ The first phase of the system sorts 96,000 packages per hour
- ✓ Realize remote monitoring of Nanjing mail collection and distribution center in Beijing China Post Management Center



3.4.1 Production monitoring project

US farm irrigation monitoring system

- ✓ The US "granary" Kansas has 86,000 farms and farms, accounting for 80% of the state.
- ✓ Project cluster virtualization, 100 farms online monitoring with 1 server
- ✓ Support mobile client for remote monitoring and management
- ✓ Authorized point recovery, 4500 software license to monitor 10,000 variables

3.4.1 Production monitoring project

A farmland water saving irrigation information system in Xinjiang

- ✓ Realize remote data collection and remote control of equipment;
- ✓ Automatically rotate each strip according to the irrigation task;
- ✓ Historical storage of meteorological data and soil moisture data and trend display through icons;
- ✓ The water consumption and fertilization amount of each crop per acre of each growing period were counted, and more detailed irrigation data were provided to the soldiers to help the corps find reasonable irrigation and fertilization data to achieve water-saving and energy-saving irrigation.

3.4.2 Information system project

Production scheduling system of a famous domestic winery

- ✓ The comprehensive dispatching system consists of 525 classes in 116 workshops of 20 wine-making workshops (2625 points for liquid level, 525 points for temporary storage tanks), and 80 classes for 23 plants in 5 koji workshops (40 tanks and 320 points)), 1 wine store workshop, several logistics transport vehicles, the above data collection points deviation ± 10%, budget 5000 points I / O or more.

Thanks!