

INTERNATIONAL CORPORATE PROFILE



ZHEJIANG CHITIC CONTROL ENGINEERING CO.,LTD

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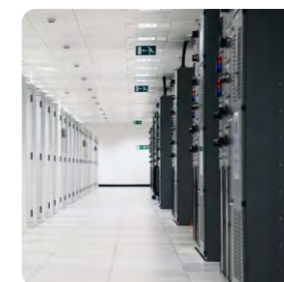
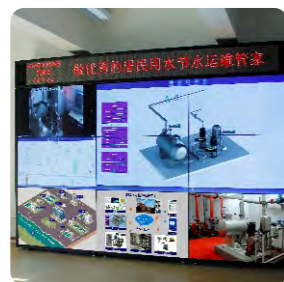
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INTERNATIONAL CORPORATE PROFILE



COMPANY PROFILE

As a subsidiary company of Chint Group Corporation, Zhejiang Chitic Control Engineering Co., Ltd. is a leading provider of automation and control technologies and applications in China.

Chitic adheres to the philosophy of safety, energy-saving and green, and devotes to the research and development in process automation, equipment automation, distributed energy, urban metering system, thermal efficiency management, smart water system, etc.

Chitic has series of products, including PCS1800 distributed control system, TDCS9200 DCS, CTS700 advanced DCS, GTex-BX high-speed loom control system, GTex-SR switched reluctance motor drive system, PVS6000 photovoltaic plant monitoring system, new energy cloud center, the water, gas, thermal metering and reading systems, VPR intelligent instruments, integrated water treatment solution involving residential secondary water supplies, water use and water conservation. The new generation fully integrated industrial automation system won the 2nd class National S&T Progress Award. CTS700 advanced DCS won the award of China's 2010 Innovative Product.

Chitic has provided high-quality products and technical service for customers in the industries of petroleum, petrochemical, coal chemicals, fine chemicals, environmental protection, water treatment, electric power, textile, machinery, solar energy, biopharmaceutical and public utility such as water supply, heat supply, gas supply.

Chitic's headquarter is located at No. 260, 6th Street, Xiasha, Hangzhou, Zhejiang, P. R. China, which covers Chint Automation R&D Center and Chint Automation Products Base.



CERTIFICATES



CHINT CHAIRMAN



Nan Cunhui Chairman

Main Awards

- Outstanding Builders of Socialism with Chinese Characteristics
- 2002 CCTV China Economic Annual Figures
- The 11th Ten Outstanding Young Chinese
- China's Outstanding Private Entrepreneur in the first session
- Top Ten Startup Leadership in China
- Top Ten Innovation Figures in China's Manufacturing Industries
- Distinguished Achievement Award for World's Young Entrepreneurs
- The Management Innovation Award of Chinese Youth Entrepreneurs

Main Duties

- President of Chint Group
- Member of the Standing Committee of Chinese people's Political Consultative Conference
- Member of the Standing Committee of All-China
- Chairman of Zhejiang Federation of Industry and Commerce

IMPORTANT MILESTONES

- In 2005, Zhejiang Chitic Control Engineering Co., Ltd. established
- In 2006, Chitic S&T Park started using
- In 2007, industrial automation system won the 2nd class National S&T Progress Award
- In 2008, carried out industrial restructuring
- In 2009, won the title of "Zhejiang Software Enterprise"
- In 2010, advanced distributed control system won "China's Innovative Award"
- In 2011, entered the equipment automation field
- In 2012, won the title of "National High-tech Enterprise"
- In 2013, entered new energy and urban energy measurement fields
- In 2014, was recognized as "Provincial level High-tech R&D Center"
- In 2015, Chitic 中国 was recognized as Zhejiang Well-known Trademark

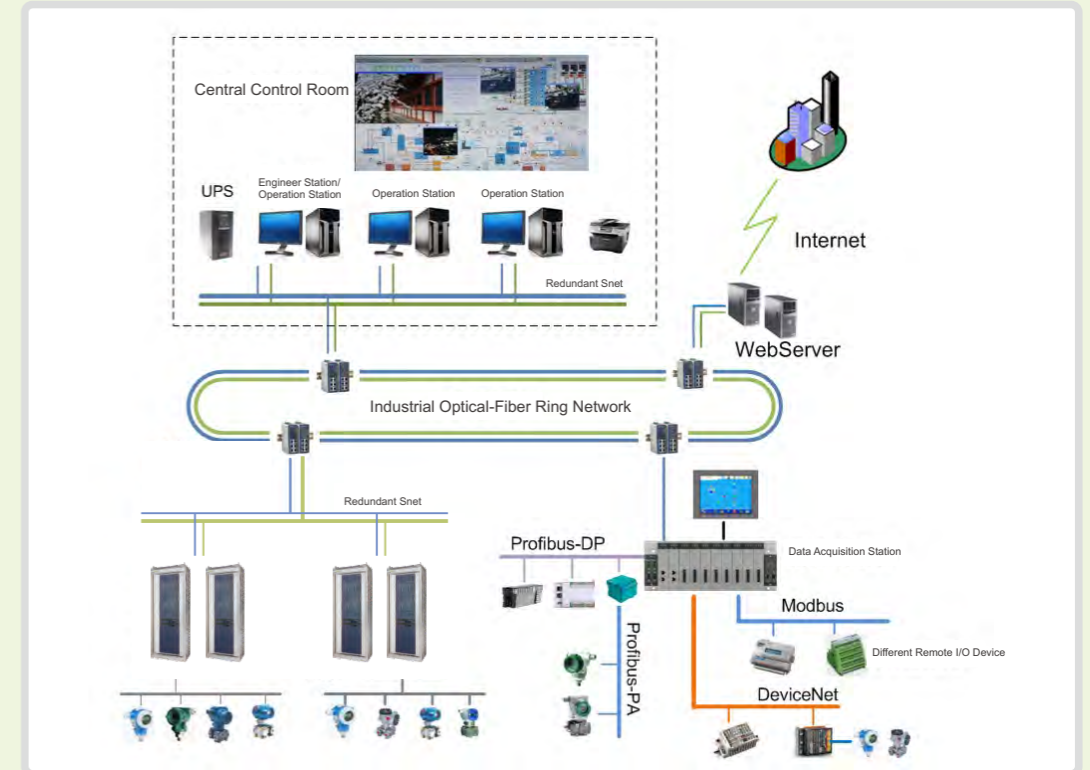


PROCESS AUTOMATION

Process automation is one of Chitic's major automation businesses. Chitic provides every aspect of service from products, technical service to solutions. The products involved include distributed control system and industry control software, widely used in the fields of petroleum and petrochemical, fine chemicals, coal chemicals, biopharmaceutical, environmental protection, water treatment, metallurgy, electrical power, etc.

Typical Products

- PCS1800 DCS
- TDCS9200 DCS
- CTS700 Advanced DCS
- ChiticEKS system configuration and monitoring software
- ChiticRTC real-time control software
- Chitic8.0 industrial control software

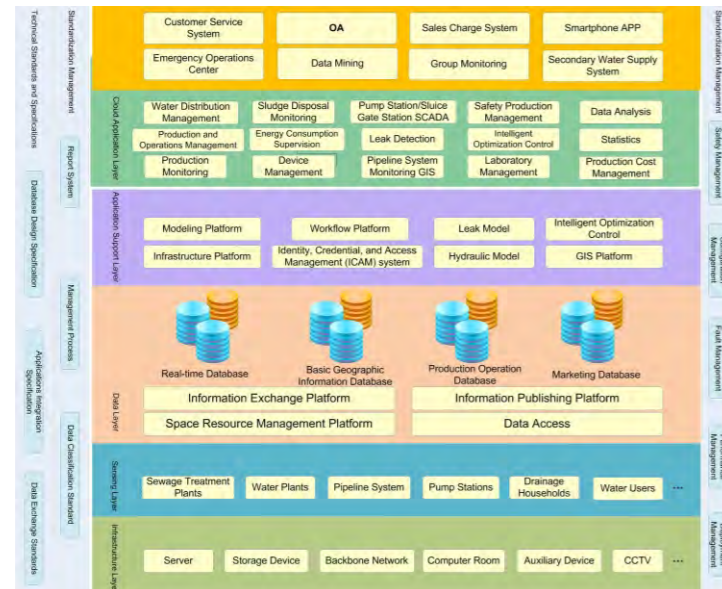


System Architecture



Smart Water Application

Chitic has worked in the water treatment industry for over a decade, providing the entire process from water production to sewage treatment with automation and IT solutions.



System Architecture



Comprehensive Water Quality Report

Remote Production Monitoring

Production Cost Management

Data Statistics and Analysis

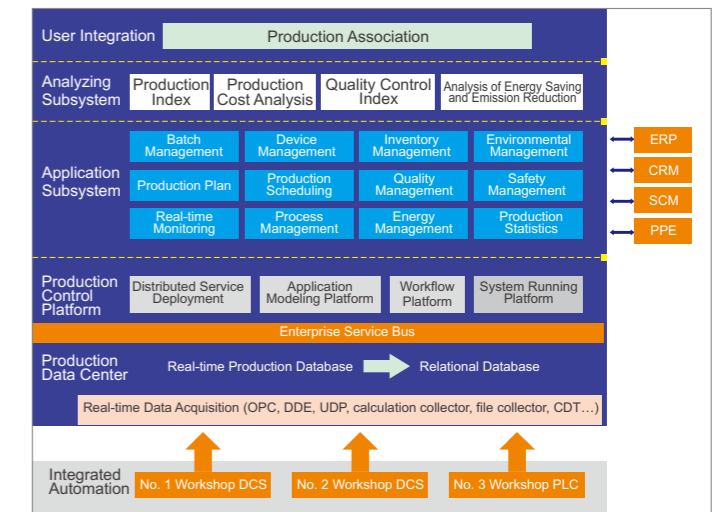


Smartphone APP

MES Application

With the development of industrial automation and information technology, MES has been widely used in the manufacturing enterprises at home and abroad, especially in discrete manufacturing industry in European and American countries.

During the process of unceasing upgrading from traditional models, domestic manufacturing enterprises meet various problems, such as disordered production management process, production operation cost staying at a high level, tracking product defects being not in place, that all restrain production efficiency. Meanwhile popularity of customized, personalized demands promotes the application of flexible manufacturing technology. MES application can enable the system information to be sharing, enhance the information use, implement production automatic scheduling, make reasonable allocation of production resource, raise statistical efficiency, shorten production period, improves production process quality, reduce production cost, and raise production operation efficiency. At the same time, MES application can make enterprise management more standard and enhance staff quality.



System Architecture



Real-time Monitoring

Production Plan

Batch Management



Device Management

Quality Management

Safety Management

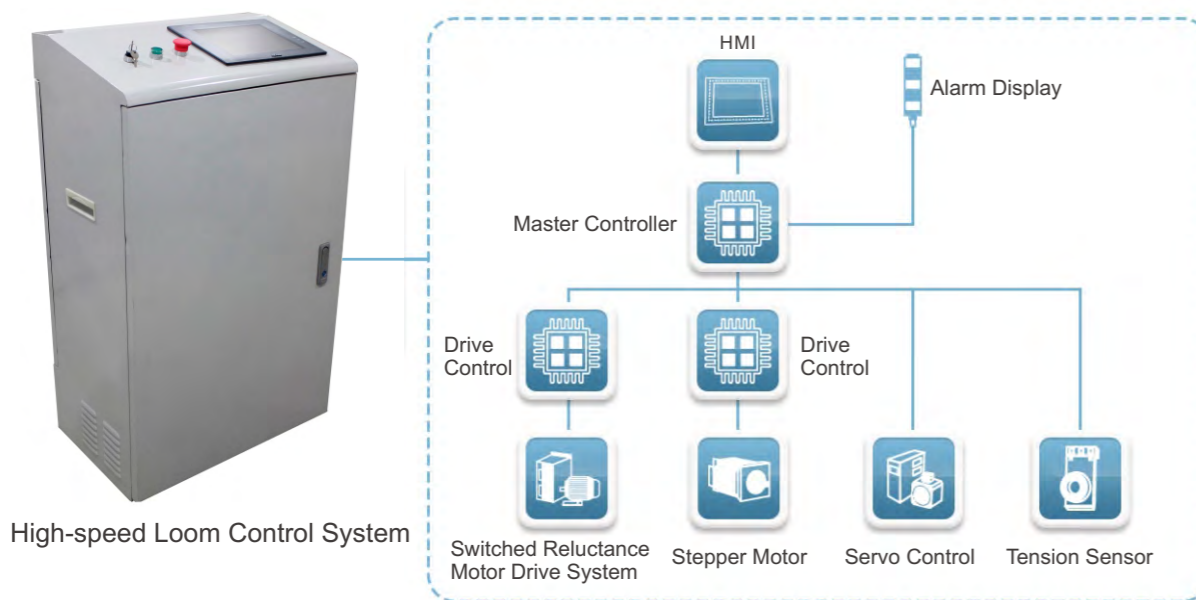
INDUSTRY EQUIPMENT AUTOMATION

Chitic's featured products of industry equipment automation are special control systems of high-end equipment and energy-saving switched reluctance motor drive system. All these systems are researched and developed with its core technology and Chitic has obtained several patents for invention.

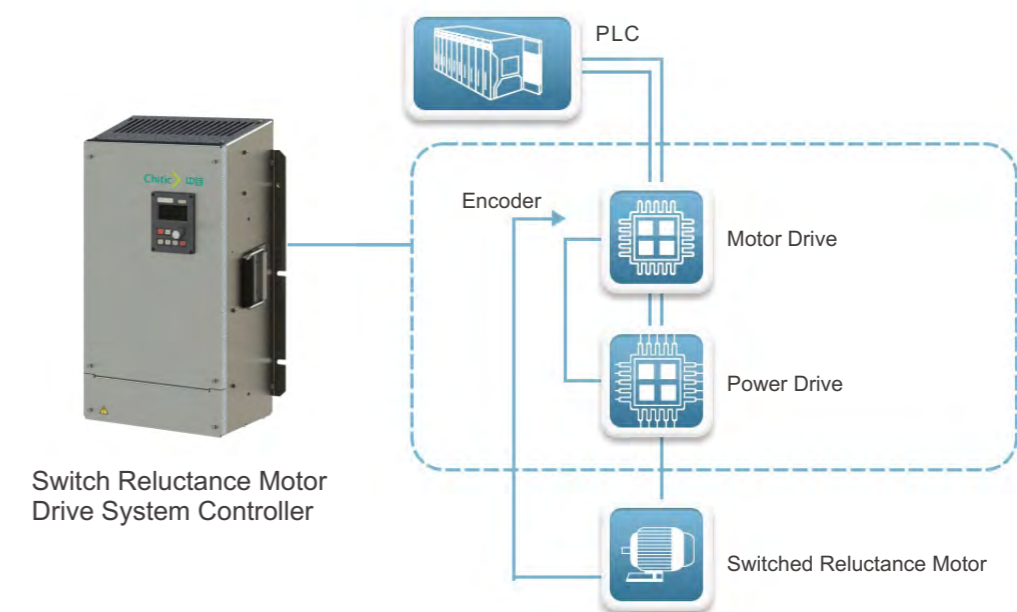
Typical Products

- GTex-BX-RA super start high-speed rapier loom control system
- GTex-SR100 energy-saving switched reluctance motor drive system

High-speed Loom Control System Solutions



Switched Reluctance Motor Drive System Solutions



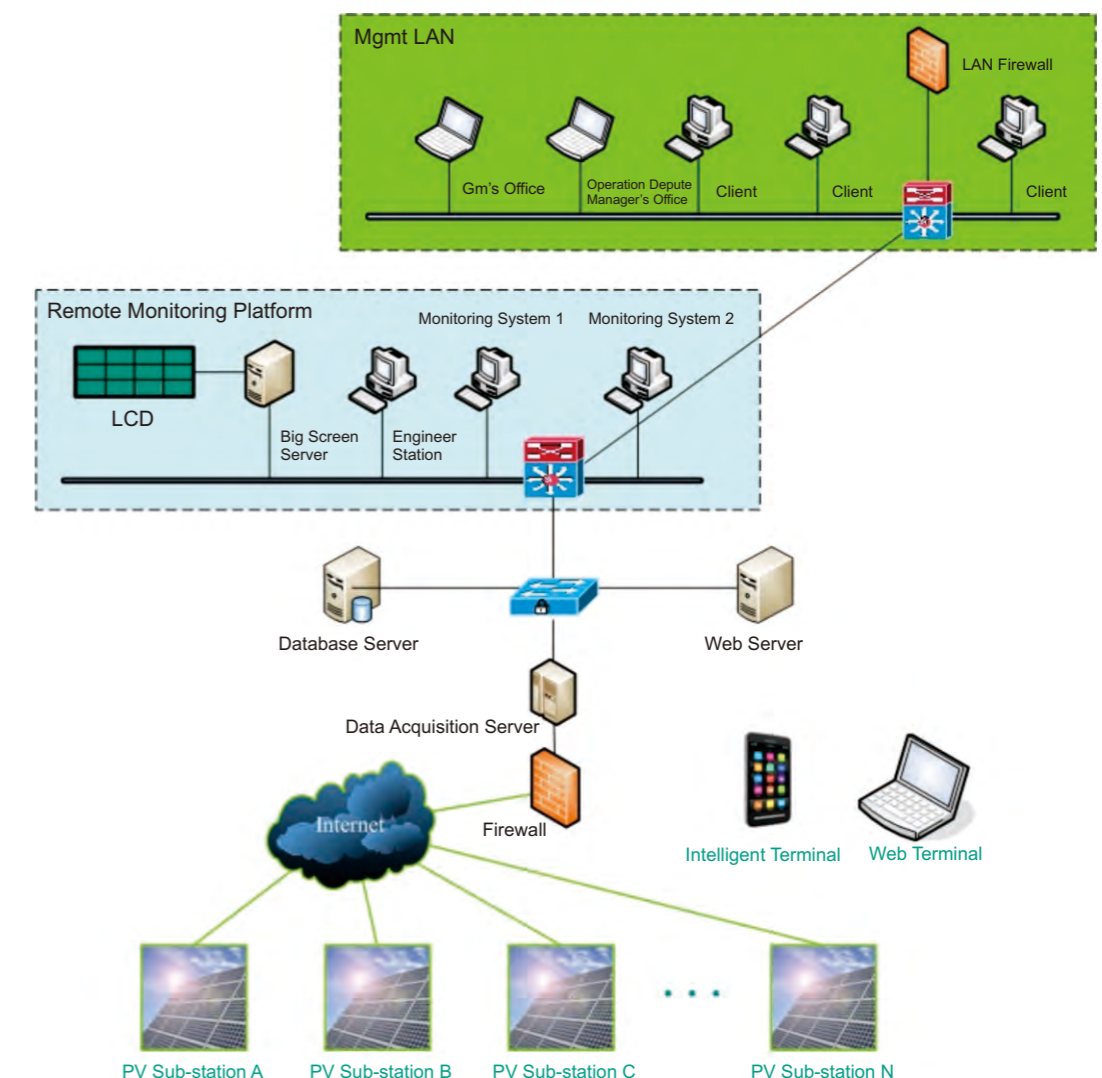
INTEGRATED ENERGY INTERNET PLATFORM

Chitic provides fully integrated photovoltaic system solutions. Chitic PV Plant Monitoring System provides information-based service for grid-connected PV power plants or off-grid PV power plants and distributed photovoltaic monitoring platform effectively manages and monitors PV power plants all over the world and provides users long-term data service and technical support.

Chitic uses the latest IoT technology to implement intelligent monitoring of PV power, uses big data analysis to achieve intelligent assessment, and realize intelligent operation and maintenance relying on online and offline interaction. PV system solutions improve power plants efficiency, and control operation and maintenance cost and the platform can effectively manage whole process of power plants, and assist investors to make reasonable decision.

Typical Products

- ChiticSolar PV device monitoring software
- ChiticPlant PV power plant monitoring software
- ChiticBank distributed PV monitoring platform
- WebBoxhousehold PV data logger
- PV system integration
- Biomass power generation system integration
- Intelligent power distribution monitoring platform

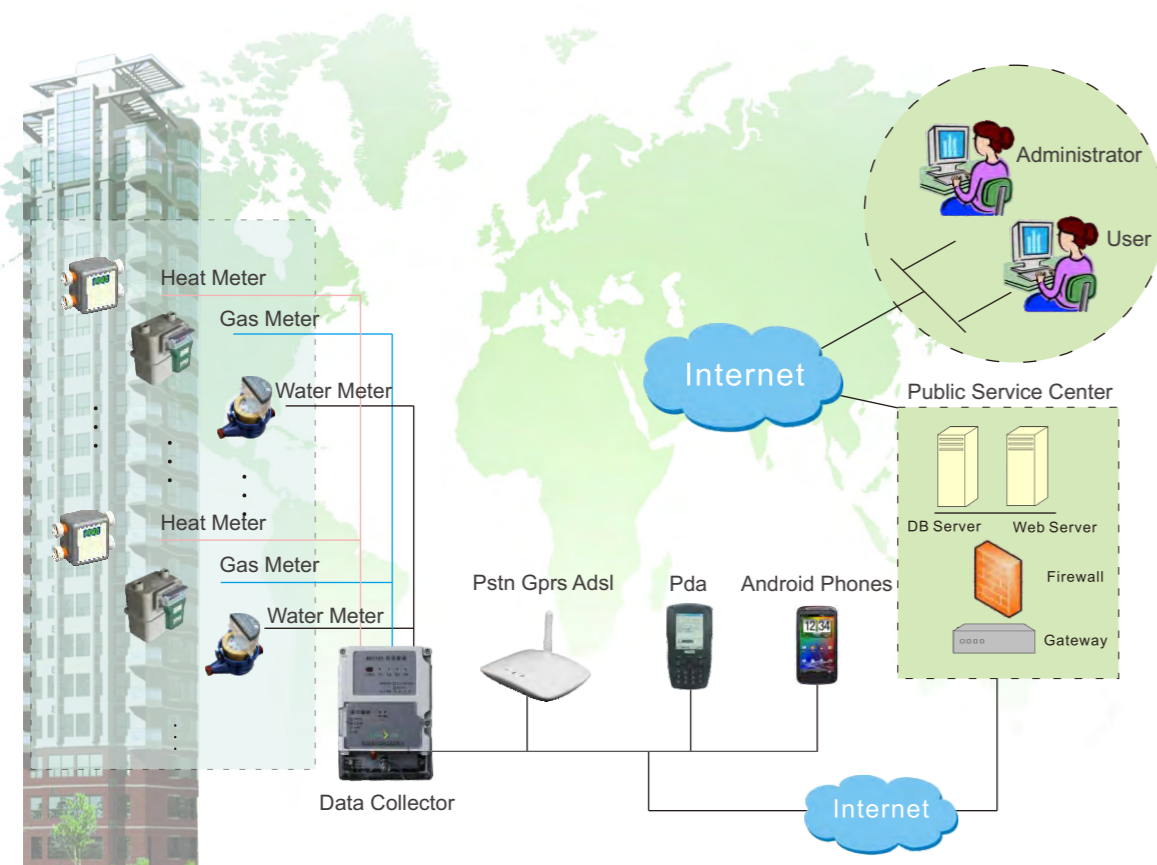


URBAN METERING SYSTEM

Chitic provides integrated water, thermal, gas metering and reading systems.

Typical Products

- X and NW camera-in water meter and wireless metering system
- Photoelectric direct-reading water meter and wireless metering system
- LoRa/NB-IOT wireless water meter (Hall, magnetic reluctance) and wireless metering system
- Ultrasonic water meter and wireless metering system
- NG camera-in metering and reading modules of gas meter



THERMAL EFFICIENCY MANAGEMENT

The topics of PM2.5 pollution, energy crisis and energy-saving reconstruction are more and more paid attention, integrated heat supply monitoring, including integrated monitoring of heat power station, heat pipeline system, heat exchange system, heat metering system and heat application system, is gradually put on the agenda accordingly.

Typical Products

- Chitic SCADA heat supply distribution and control system
- Chitic HEMS thermal efficiency balanced computing software
- Chitic HCU1200 special control device of heat exchange station
- Chitic SCADA database software
- Smart MDC energy consumption collector
- Chitic GIS
- Chitic M-Bus thermal metering system

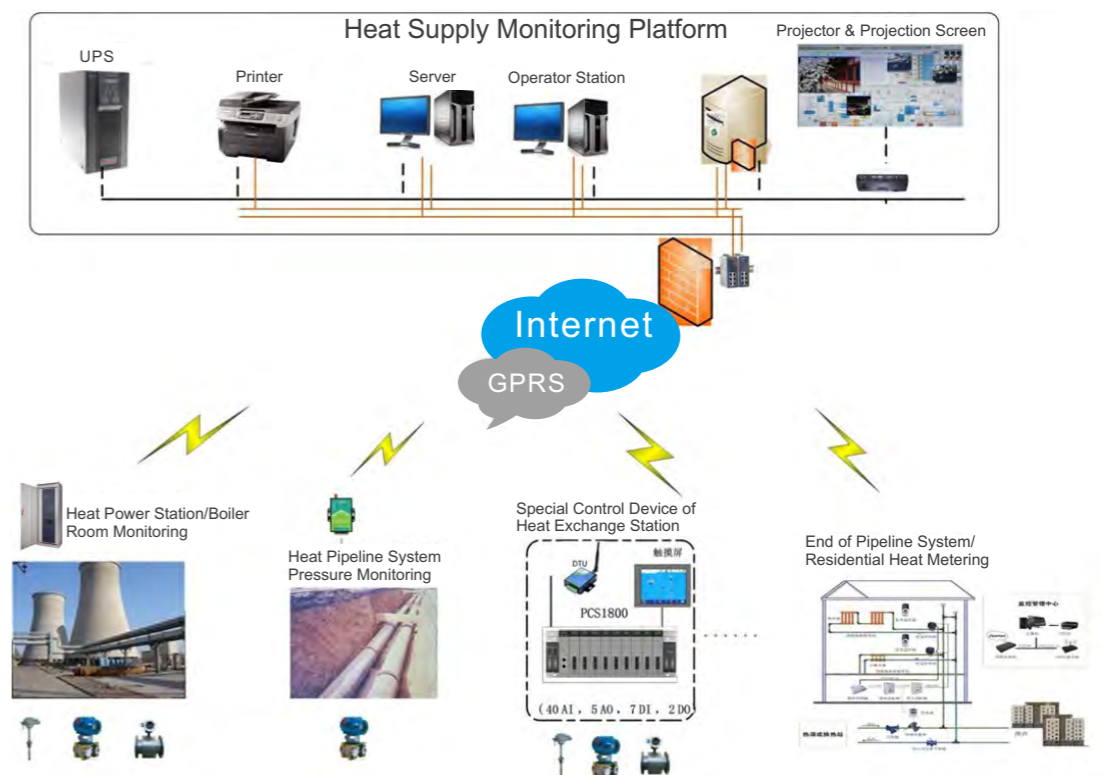
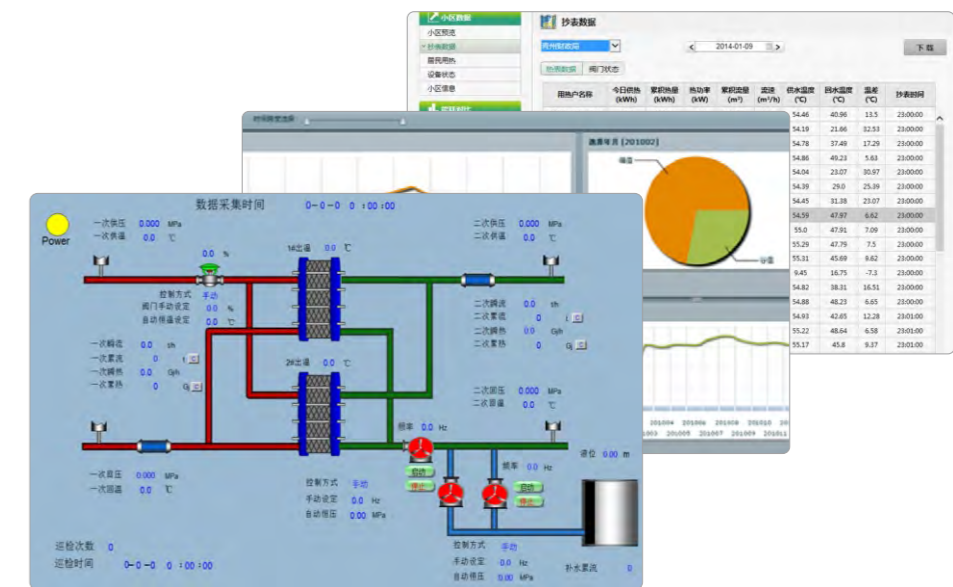


Residential Heat Consumption

Community Energy Consumption Comparative Analysis

Total Community Energy Consumption

Building Energy Consumption Comparative Analysis



SMART WATER SYSTEM

Chitic smart water solutions are designed combining the advanced technology of automation, information and IoT with the situation of residential secondary water supply. The system has the functions of real-time monitoring, condition monitoring, operation, maintenance, early warning, information publish, information push and big data service.

Typical Products

- Chitic water smart water system
- FTG intelligent gateway
- FTA intelligent water quality monitoring device
- FTC intelligent controller
- FTM intelligent cloud control water meter



Intelligent Gateway



Intelligent



Intelligent Controller



Intelligent Water Quality Monitoring Device



Smart Water System



做优秀的居民用水节水运维管家

Integrated Residential Water Supply, Water Conservation, Water Using Solutions



SERVICE NETWORK

Chitic has professional talents equipped with the ability of engineering design and project implementation and gathers rich engineering experience to provide customers comprehensive, high-quality, professional service.

Chitic has product subsidiaries and regional subsidiaries as well as hundreds of integrators specializing in automation industry, with service covering chemical engineering, thermoelectricity, petrochemical, machinery, metallurgy, electric power, etc. Chitic devotes to providing customer quick, high-efficient and excellent service.



AUTOMATION AND IT TECHNOLOGY FOR TODAY & TOMORROW

