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**Intelligence
For Excellence**

Intelligence
For Excellence

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ABOUT US

Founded in 1993, HollySys is a leading supplier of intelligence solutions in China and abroad.

HollySys is headquartered in Beijing with R&D, production, and service bases in Beijing, Hangzhou, Xi'an, and Singapore, and local branches in major cities in China, as well as offices in India, Malaysia and Indonesia.

HollySys business consists of industrial intelligence, transportation intelligence, and food and pharmaceutical intelligence, covering the main industries for the global economy and the people's livelihood.

HollySys has always been pursuing continued innovation and R&D since the inception. By offering more reliable, secure, and intelligent products, as well as the full cycle services and customized solutions for our customers, we help our customers to improve their market competitiveness.

35,000+

Global Customers

Across 5 Continents

Business Network

45,000+

Global Implemented Projects

40+

Countries Our Business Covers

5,000+

Global Employees

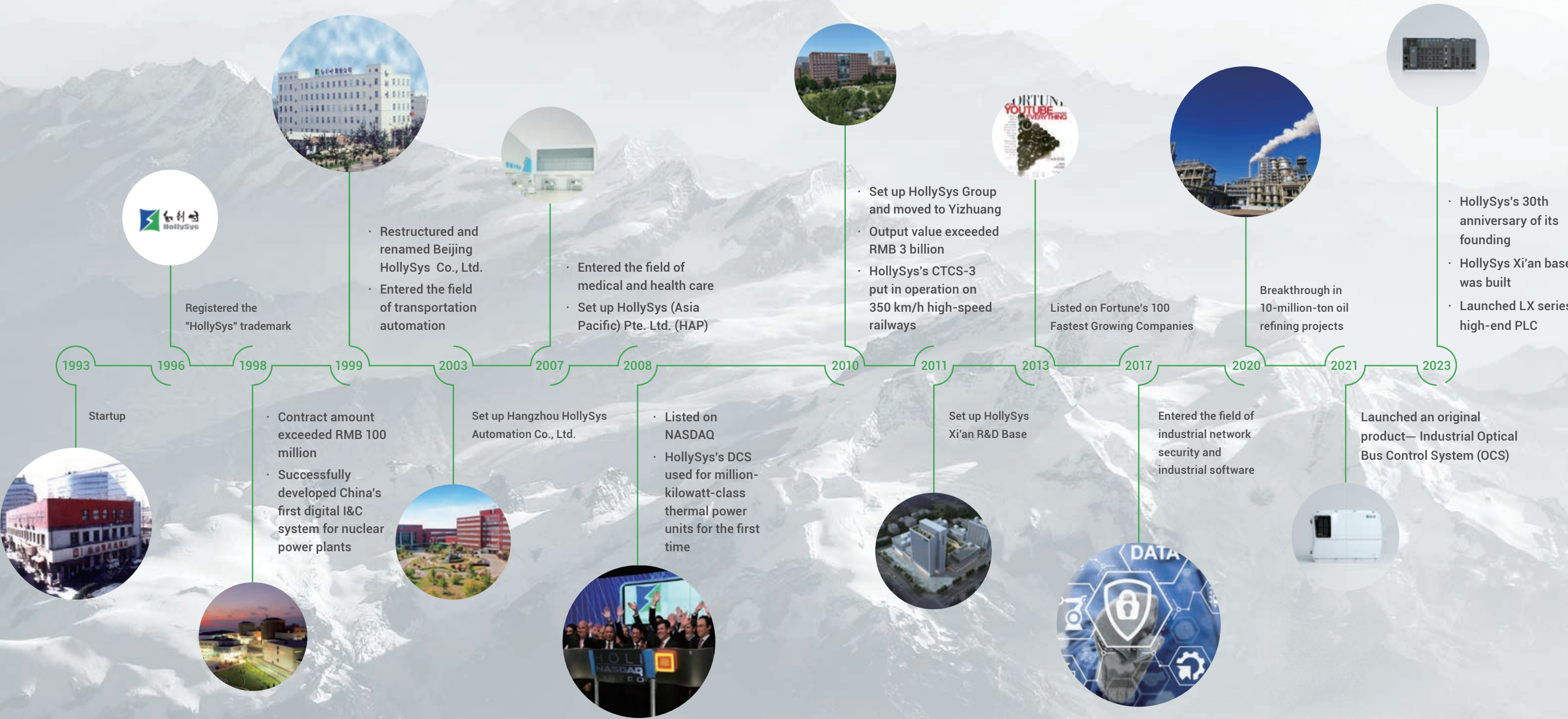
1,500+

R&D Staffs

2,000+

Intellectual Property

> HISTORY



OVERSEAS DEVELOPMENT

Typical Project

India:

NSPCL Durgapur 2X 20MW Power Project -III

Indonesia:

Tsingshan DCS, DEH, Simulation, and Instrumentation Project

Uzbekistan:

Karauzyak 440MW Combine Cycle Power Plant

Bolivia:

Power Plant and Alcohol Production Line of San Buenaventura Sugar Mill

Singapore:

Thomson–East Coast Line

Ethiopia:

4 × 30 MW Power Plant of Welkait Sugar Mill

Malaysia:

Chaya Mata Phosphates Industries Integrated comprehensive phosphorus chemical project
Alliance Steel DCS, DEH, TSI and ETS project

Thailand:

NPP5 and NPP9 Power Plants

Vietnam:

Lao Cai 200,000t/a copper smelting project
Hau Giang 2 X 10MW Biomass Power Plant



● R&D, Production and Service Centers

■ Partner & Installed Base

TECHNOLOGICAL INNOVATION

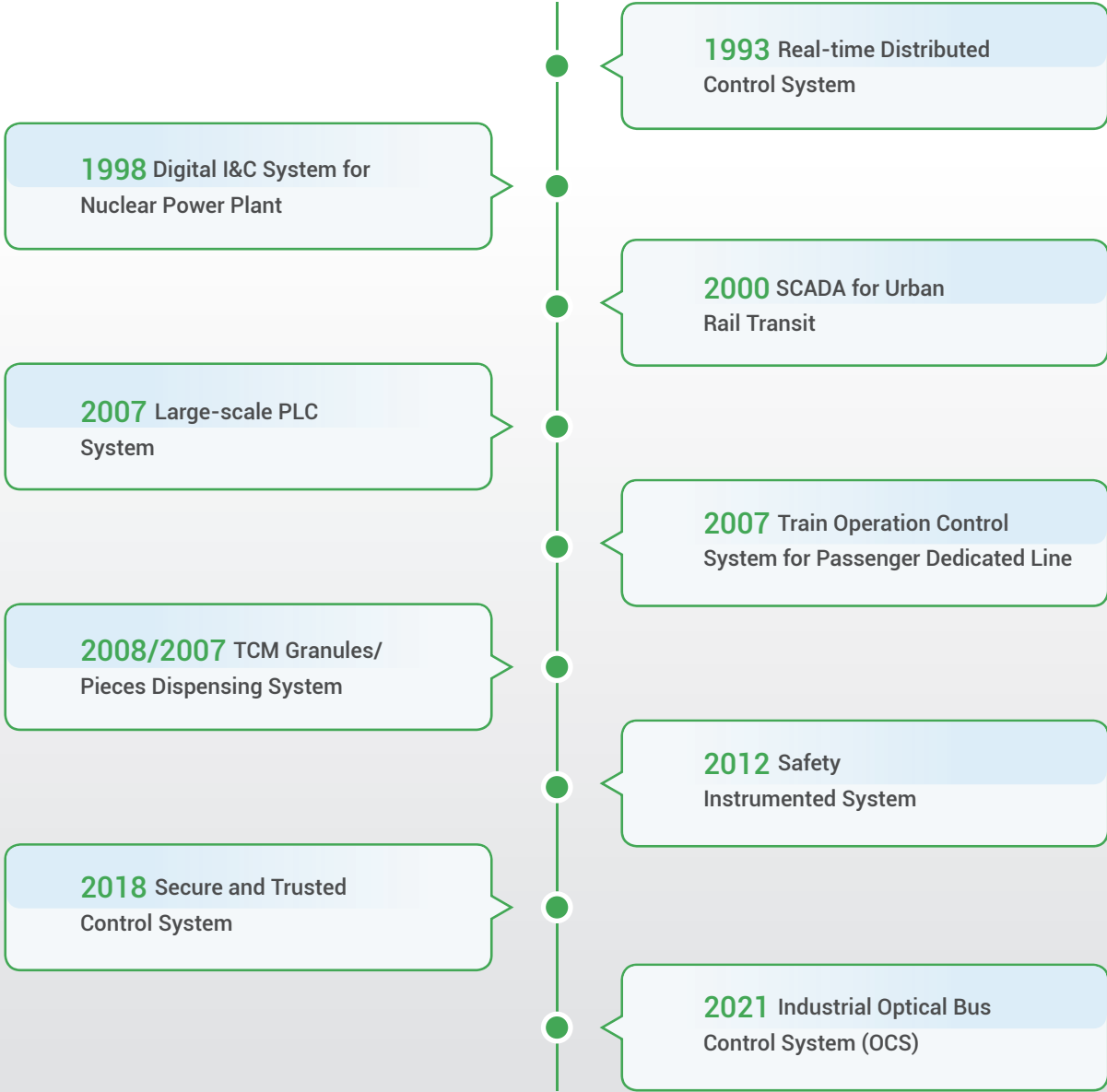
10% of Its Yearly
Operating Revenue is
Spent on Technological
Innovation

10 +
National Key Scientific
and Technological
Projects

1,100+
Patents

800+
Software Copyrights

PRODUCT MILESTONE



TEST & CERTIFICATION



ISO14001 Environment Management System Certificate#



ISO27001 Information Security Management System Certificate



ISO45001 Occupational Health and Safety Management System Certificate



ISO9001 Quality Management System Certificate



CE Certificate



CMMI5 Certificate



TUV Rheinland Certificate-Hollysys Group



Simulation Test Centers

10+ Cover Various Industries Including: Thermal Power, Nuclear Power, Petrochemical, Rail Transit, etc.

Reliability Test Centers

(TÜV) ISO/IEC17025 Approved
The largest corporate reliability test center for automation products in China



HollySys Reliability Test Center



Stepping Cyclic Damp Heat Test



Device Screening and Aging Test



Temperature Shock and Temperature Variation Test



Electromagnetic Compatibility Test



Electric Vibration Test

PRODUCTION & MANUFACTURING

HollySys Intelligent Digital Workshop has achieved lean, automatic, and information-based management throughout the whole process, from management, process development, production, to internal logistics distribution. It has achieved perfect integration and collaboration from control layer, and data collection to applications layer, as well as quality traceability throughout the entire process. The production and manufacturing capability leads the industry, meeting the flexible needs of both small batch and multi-batch production.



Internal Automatic Logistics System



Intelligent Production Management System



Flexible Assembly and Testing Line



System Integration and Test Workshop



Automatic SMT Line



Intelligent Warehousing Management System



ENGINEERING AND SERVICES

550+

mature solutions for various industries

1,400+

regional professional engineers

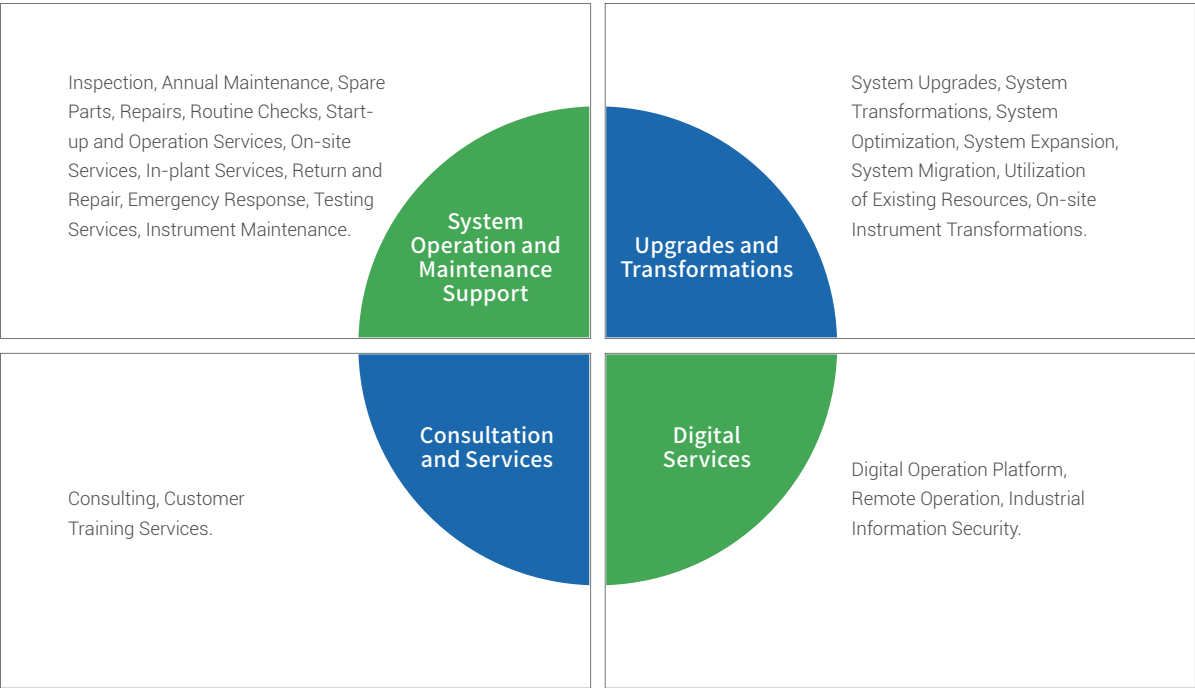
3,500+

cabinets for commissioning/ integration per month

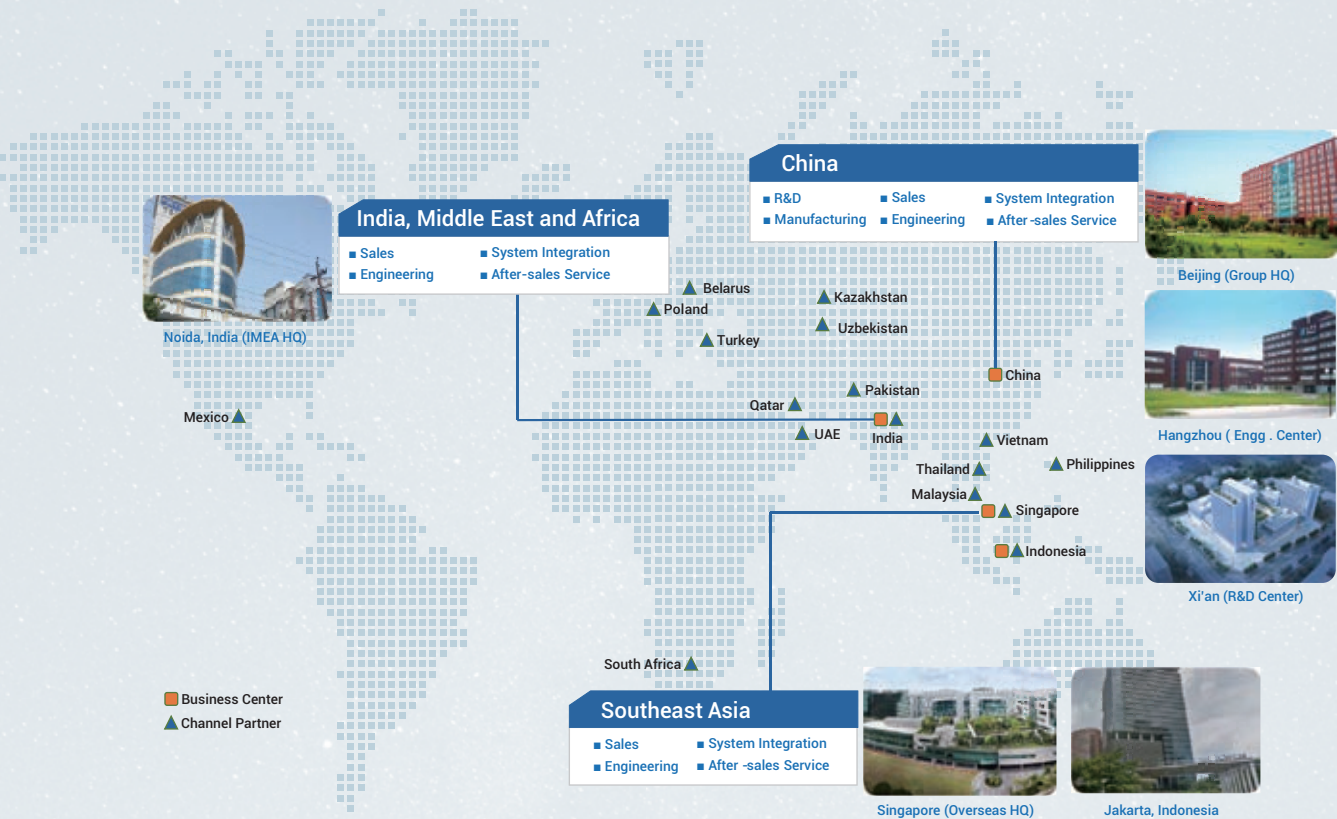
200+

industrial experts

The MAV assists customers in scientific decision making and provides FLC service



WORLDWIDE SERVICE



Quick Response

1,400+ service engineers worldwide

5 overseas business centers

40+ authorized channel partners worldwide

One-stop Service Platform

Procurement, supply, project management, system engineering, site service, troubleshooting and training

INDUSTRIAL INTELLIGENCE

Expert on Overall Solutions of Factory Automation

Complete products
series of industrial
intelligence



High capacity in
solution and system
integration



Customized design and
construction&commissioning
services

As a leading supplier in several market segments, our solutions are applied to the key equipment and projects of process manufacturing and discrete manufacturing.

2000+ Projects

Successfully Implemented Annually

NO.1

Market Share of Control System for
Thermal Power Units in China

50%

of Commercial Nuclear Plants
Reactors in China

60+ Projects

of Offshore Platforms

30+

1000MW Thermal Power Units

Petrochemical Industry

We have achieved significant breakthroughs in key areas including million-ton of ethylene, ten-million-ton of oil refining, large-scale coal chemical industry, and million-ton of aromatics.

Sinopec Tianjin Nangang Industrial Cluster Project

The first domestic integrated SIS project applied to petrochemical unit

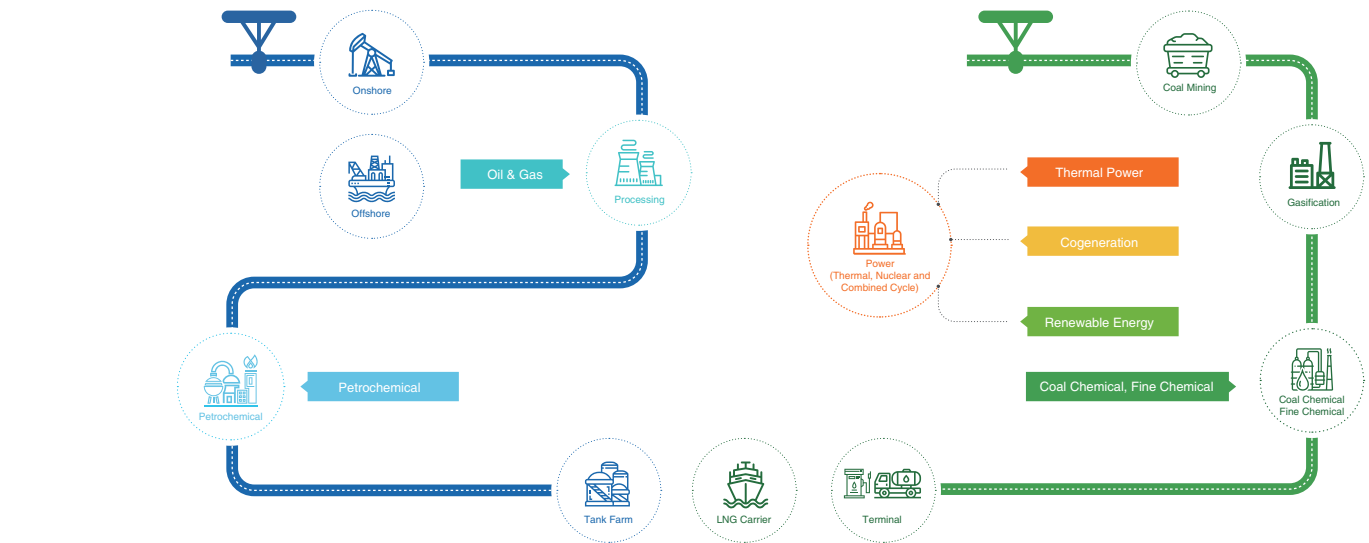
BASF Zhanjiang Verbund Site

The largest global investment project of BASF. Hollysys provides GDS system for the whole plant, which include 13sets of GDS for 10 clusters.

PROCESS AUTOMATION

Based on the HOLLIAS® industrial automation platform, HollySys offers a series of advanced, practical and reliable industrial intelligence system products including DCS, DEH, SIS, OCS, Instrumentation, etc. It also provides the integrated solution of information software such as MES, AMS, APC, OTS, Batch for intelligent factories.

Widely Applied to Many Industries: Petrochemical, Chemical, Thermal Power, Nuclear Power, Oil and Gas, Offshore Platforms, New Energy, Metallurgy, Building Materials, Pharmaceuticals, Food, Paper, and others.



Process Automation

Industry Ecological Cloud (Public Cloud)	Native Services	Research Institutes	Industry Experts	Software Vendors	Colleges & Universities	Other Organizations												
Group Industrial Internet Platform (Private Cloud)	HOLLIAS HiaPlant	Platform Application Libraries	Production Management Scheduling Management, Planning Management, Work Management, Production Visualization, Equipment Management, Safety & Quality Management	Big Data Analysis Performance Analysis, Security Analysis, Strategy Support, Predictive Maintenance	Operation Management Asset Management, Energy Management, Logistics Management, Financial Management, Sales Management, Procurement Management	Information Security Management Asset Vulnerability Management, Security Baseline Check, Security Incident Analysis, Safety System Management, Emergency Coordination Support												
	Platform Model Libraries	Equipment Model Library Shearer Model, Continuous Casting Machine Model, Compressor Model, Steam Turbine Model...	Process Model Library Smelting Process Model, Combustion Optimization Model, Distillation Process Model...	Security Model Library Video Analysis Model, GIS Model, Risk Classification Model...	Knowledge Library Smelting Knowledge, Power Generation Knowledge, Safety Protection Knowledge, Equipment Failure Maintenance Knowledge...	Algorithm Library Alarm algorithm, Personnel Scheduling Algorithm, Mining Planning Algorithm, RTD Algorithm...	Other Library XX Library	Threat Intelligence Library Threat Detection Model Library, Threat Information Model Library, Blacklist Library										
	Platform Tool Sets	Modeling Tool	Algorithm Design Tool	HMI Visualization Tool	3D Visualization Tool	Process Designer	Reporting Tool	App Design Tool	To be extended	Policy Design Tool								
	Operational Excellence	Production Operation Management System (HiaPlantMOM)	Supervisory Information System (SIS)	Intelligent Security Management System	Mobile App	Virtualized Server Resources	Intelligent Management Applications OA Collaborative Work, Production Scheduling Management, Enterprise Asset Management, 5-in-1 Safety Control, Energy Management, Quality Control, Material Management, Supply Chain, Endogenous Security Mechanism	Intelligent Decision System	Field Situation Awareness Platform Network Situation Monitoring, Safety Incident Warning, Attack Source Analysis, Asset Behavior Characterization, Emergency Response	Digital Twin								
Operational Optimization	Intelligent Monitoring System	Intelligent Optimization System	Advanced Process Control HiaAPC	Batch HiaBatch	SCADA HiaPlantSCADA	Industrial Intrusion Detection System	Intelligent Monitoring Device Diagnostics, Consumption Difference Analysis	Advanced Control Intelligent Alarm, Performance Calculation	Batch Control Alarm Traceability, Endogenous Security Mechanisms	Boundary Protection Production Cockpit (trusted computing-based endpoint security)	Secure Data One-way Transmission Unified Security Management Center Trusted Policy Governance, Endpoint Security Management, Network Security Monitoring, Area Boundary Protection, Device Access Authentication, Data Backup & Recovery	Human Security	Factory X Plant-Level Wisdom Management Platform	Factory N Plant-Level Wisdom Management Platform				
Intelligent Control	HOLLIAS MACS IC Independent & Controlled DCS	HOLLIAS MACS Secure and Trusted DCS	HOLLIAS-N Nuclear Power Digital I&C System	Industrial Optical Blue Control System OCS	Safety Instrumented System HiaGuard (SIL3 functional safety)	Safety Controller LK220S	High-End PLC LK220	High-End PLC LX Series	Onet OneNet	Secure Access System (secure access and transmission)	Functional Safety	Plant-Level Wisdom Control Platform	Plant-Level Wisdom Control Platform					
Intelligence and Execution	Intelligent Instrument	Flow Measurement	Radar Level Transmitter	Pressure Transmitter	Point Gas Detector	Temperature Transmitter	Intelligent Valve Positioner	Single-Seal Control Valve	Ball Valve	Servo Motor	Smart Devices	Satellite/5G Private network Smart Sensors, Video Recognition, Shifting Instrument	Bluetooth RFID Personnel Positioning, Mobile Terminals, Drone, Remote O&M	IOT/Wireless IOT Weighing & Collection, Wearables	Direct Network/Wi-Fi Smart Device	Intrinsic Safety	IntelliSense	IntelliSense

Main Products



HOLLiAS MACS
Distributed Control System (DCS)



HiaGuard
Safety Instrumentation System



Industrial Optical Bus
Control System (OCS)



T800 Turbine Digital Electro-
Hydraulic System (DEH)



HOLLiAS-N Nuclear Power Plant Digital
Instrumentation and Control System



Nuclear Power Plant
Turbine Control System

POWER

- Top 1 Market Share of Large-scale Control System of Thermal Power Units in China
- Automation System Supplier of Large-businesses including Datang and China Energy
- The 1st Homemade System for Large-scale Thermal Power Units
- The 1st DCS, DEH and Field Bus Integration System for Million-kilowatt-class Units
- The 1st "Black Screen" Operation System for Header-system CFB Boilers.

1000MW Ultra-supercritical Unit Project with Double Reheat Project of Datang Dongying Power Plant

As an important part for Datang Group coastal development strategy, this project has been recognized as the top honor in the power industry for its exceptional engineering quality, receiving the prestigious award "2022 China Power Excellent Project".

Full-process Intelligent Collaboration Center Construction Project of the Xinjiang Beisan Power Plant 2X660MW Units

It is the first energy project undertaken by Shaanxi Investment Group in Xinjiang as part of the Belt and Road Initiative. HollySys customized a plan for this project, enabling the client to establish the first fully digital smart power plant in China.

1000 MW Ultra-supercritical Generator Unit Project of Shenhua Fujian Hongshan Power Plant

It is equipped with the largest power generation unit in the region. It stands out as the first project to use a domestic integrated control system for million-kilowatt-class units.

The project contributed to

About **2.3** million dollars reduction of the engineering cost

About **48%** reduction of the after-sales service and spare parts costs

30+

1000MW Thermal Power Units

70+

600MW Thermal Power Units

270+

300MW Thermal Power Units



› NUCLEAR ENERGY

HollySys has developed the HOLLIAS-N digital I&C system to meet the special security and functional needs of the nuclear power industry. This system has been successfully implemented in multiple nuclear power plants across China, including Daya Bay, Qinshan, Ningde, Hongyanhe, Yangjiang, Tianwan, and Fangchenggang. Additionally, it is currently being utilized in new nuclear power plant projects. Furthermore, this advanced digital I&C system is also exported to international markets.

Leveraging its advantages as a leader in the nuclear power industry, HollySys has developed solutions for solid waste treatment and smart water system to diverse applications, including nuclear fuel, nuclear elements, and nuclear waste treatment. It has been helping clients in the nuclear industry to realize digitalization with controllability, security and reliability, intelligent control, and smart management.

China's First Digital I&C System for Nuclear Power Plants was developed in 1998

50%
of the Commercial Nuclear Power Plants Reactors Projects are developed in China

150 Reactor Years
Cumulative Reactor Operating Experience amounted to over 150 Reactor Years

› PETROCHEMICAL

The plan-wide automation solution greatly improves the production efficiency, safety and flexibility.
HollySys Integrated Solution combines instrumentation, control system and industrial software into a whole, and opens up horizontal and vertical information flows.

Sinopec Hainan Refinery 1.6MTA PX Polyester Raw Material Project

Sinopec Hainan Refinery is the largest aromatic hydrocarbon production base of Sinopec. The project with large system structure and complex process achieved 35,000 I/O hard points and won the "2015 National Science and Technology Progress Award". After completing this project, HollySys has become one of the very few DCS control system suppliers in China with large-scale performance for xylene.

100,000+
I/O points in DCS System

20,000+
points in SIS System

Sinopec Nangang 1.2MTA Ethylene and New Materials Industrial Cluster Project

It is the first large-scale refining project focusing on high-end new materials by Sinopec, and has adopted HollySys's innovated OCS and SIS.

OCS provides our clients with:

30%+
cost reduction for the control system

90%+
reduction in cabinet areas

50%+
shortening in control system project cycle



» CHEMICAL

Undertaking multiple large-scale key projects in the chemical industry.
Providing comprehensive automation solutions for many global multinational enterprises including BASF, China Energy and Sinochem.
10,000+ automatic control systems are ensuring the production and safety of chemical plants.
Covering large-scale coal chemical, salt chemical, fluorosilicone chemical, fine chemical, and new material fields.

ZAUCC 1.7MTA Coal to Methanol and Olefin Conversion Project

It is the largest modern coal chemical project in the first batch planned by China. HollySys participated in this project as MAV mode and implemented the localization of key industrial control equipment in the country. The project with over 35,000 I/O hard points won the "2009~2020 China Petroleum and Chemical Automation Industry Technological Progress Special Award".

BASF Eco-friendly CCE 3.0 Project

HollySys supported this project with 18MTA capability of its nine coating lines and batching slurry production line, and provided DCS, Batch, and full lifecycle services to this project.

The Project Contributes to:

30%+	15%+	10%+	5%+
reduction of personnel	increasing of production efficiency	improvement of equipment utilization rate	improvement of product qualification rate



» OIL AND GAS

Covering six sectors including onshore oil and gas fields, long transmission pipelines, urban gas, LNG receiving stations, oil and gas gathering and transportation, and offshore facilities.
Participating in the construction of the national pipeline network of China.
Servicing major projects such as Shaanxi-Beijing Gas Pipeline, West-East Gas Pipeline, China-Russia East-route Gas Pipeline, Beijing Gas, Guangzhou Gas, Tianjin LNG Phase II of PipeChina, and Offshore Platform.
Have been awarded the CCS Type Approval Certification.

60+
Offshore Platform
Projects

PipeChina Group Southern Branch

The First Localization Transformation Project of SCADA System for Product Oil Pipeline
HollySys's fully homemade SCADA system was successfully applied to this project, achieving full domestic production from "control chips" to "engineering materials". It safeguard the oil and gas pipelines as well as the energy security of the country.

CNOOC Tianjin Branch Kenli 6-1 Oilfield Cluster Exploration and Production Project

This project is the first major oilfield with over 100 million tons production capability in the northern Laizhou Bay region of China's Bohai Sea. Targeting the offshore platforms with complex operating conditions, HollySys provides 7 platforms with DCS, ESD, FGS, SIS, AMS, network security equipment and remote control equipment, with 15,000 I/O points and 35,000 communication points.



> METALLURGY

Product solutions covering various fields, including steel, non-ferrous metals, precious metals, submerged arc furnaces and new materials.

Completing a number of large integrated and centralized control system projects.

Providing premium automation products and technical services for many metallurgical enterprises.

CNICO Myanmar Tagaung Taung Nickel Iron Project

This project is invested by CNICO. It stands as the largest collaborative effort between China and Myanmar in the mining industry, with annual processing capacity of 1.32 million tons of dry ore, over 16,000 I/O hard points, 20 control rooms, 46 operation stations. HollySys has propelled the client's mining and metallurgical processes to achieve cutting-edge global standards.

Jiujian Xiancai 2 X 2.4MTA Iron Ore Pelletization Project

It is invested by Jiujian Xiancai Group with annual production capacity of 4.80 million tons of pellet. This project achieved full localization of the control system, advanced the digitization of engineering equipment, laying the solid foundation for intelligent factory construction and production intelligence of pellet.



DISCRETE AUTOMATION

Providing overall automation, information and intelligence solutions covering equipment, production line, workshop, and the whole plant.

HollySys's programmable logic controllers (PLC), drive products, HMI and supervisory control and data acquisition (SCADA) products have been widely used in many high-end equipment including semiconductors, lithium batteries, photovoltaics, wind power, energy storage, logistics, automobiles and heavy machinery in many fields such as water treatment, water resources, power, oil and gas, metallurgy, metro, tunnel and mining.

For Specific Industries

Developing complex special equipment that integrates laser, mechanics, electronics, and software technologies.

For Digital Workshops

Providing integration of stereoscopic warehouse, logistics, production line, and other automatic facilities necessary.

For Smart Factories

Providing overall solutions and IoT and software integration services.



Intelligent Control Products

Intelligent Equipment Control System/
Infrastructure Management System




Intelligent Factory

Production Line Automation Integration/IoT
System Integration




SCADA Products: HollyView and HollyControl:

HollyView




HollyControl


WEB Server




Data Server




Historian Server




Operation Station/Engineering Station




Small-scale Project




Stand-alone Equipment



Large-scale Project



Production Line and Complex Equipment




- 2000 points or 300,000 points
- Visualization
- CS architecture and BS architecture
- Support remote terminal monitoring with mobile App

- Compatible with Windows operating systems
- Integration of automation monitoring and informatization
- Support deep customization
- C programming language
- 3D animation panoramic visualization


- Robust disaster recovery plan
- Distributed deployment capabilities
- Integration of GIS for spatial-temporal correlation
- Video surveillance and data integration

PLC Products


Large-scale PLC
LK220 (T)




Medium to Large-scale
PLC LK210 Series




Function Safety
Controller LK220S Series




High-end Professional
Controller LK220C (T) Series




Compact PLC
LE Series




High-end Motion
Controller MC Series



New Generation of High-end
PLC LX Series




For Medium to Large-scale Control Application




Petrochemical, chemical, power, metallurgy, heating, oil and gas, water treatment, water resources, hydropower, subway, tunnel, utility tunnel, energy, port machine, infrastructure, aerospace, military industry, production lines, etc.

For Simple Stand-alone Equipment



Water supply, packaging, HVAC (Heating, Ventilation, and Air Conditioning), environmental monitoring, printing machinery, etc.

For High-end Equipment and Production Line



Semiconductors, lithium batteries, logistics, packaging, automobile, rubber and other equipment and production lines

- Over 20 years of research and development with safety and innovation of components and technologies
- Integrated programming and configuration platform
- Wide range of options: small-scale, medium to large-scale, motion, safety, high-end professional, and secure and trusted

New Generation of High-end PLC LX Series

- Rich features: minimal size, high speed, high performance, perfect integration, user-friendly operation, and high safety
- Empowering industrial mainframe with intelligent control for autonomous operations

Ports ↑

Promoting the localization of automation in port operations.HollySys LK220+ series, equipped with multiple remote IO configurations, has been effectively deployed at the China Energy Tianjin Port Terminal, seamlessly integrating with the existing system.

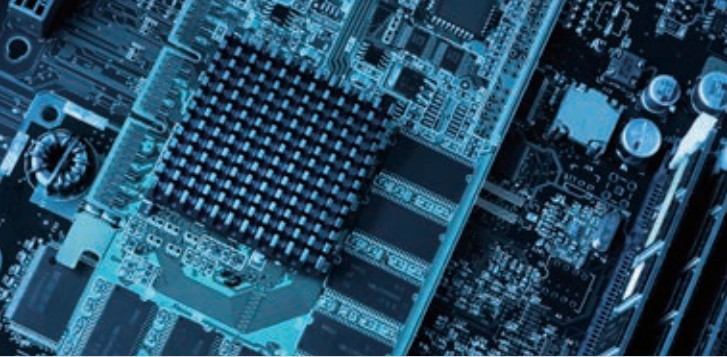


Heavy Machinery ↑

HollySys LK220 series PLC was applied to the "Pioneer-1" tunnel boring machine with ultra-large diameter and vertical hard rock in the Tian Shan Victory Tunnel Shaft Project in Xinjiang

Semiconductor Equipment ↑

HollySys LK series and LX series PLC are widely used in the solutions for various equipment in semiconductor facility systems, horizontal furnaces, vertical furnaces, PVD/CVD/ALD machines, etchers, and others.



New Energy Equipment ↑

HollySys LX series PLC is widely used by key customers in the lithium battery and energy storage industries.

INTELLIGENT FACTORY CONSTRUCTION TURNKEY SOLUTION FOR DISCRETE MANUFACTURING INDUSTRY

To meet the demand for advanced intelligent production facilities in the manufacturing industry, HollySys provides comprehensive and deeply integrated solutions and construction services including plan, design, construction, maintenance and operation for intelligent factory development by integrating and developing our own products. HollySys is committed to support smart manufacturing and enterprise transformation and upgrades.

Intelligent Factory Turnkey Capability

Based on the theoretical system and practical experience of digital factory construction, combining with the continued innovation core control products and information system platform, HollySys offers comprehensive production line construction, logistics construction, infrastructure construction, and information system construction services to build advanced intelligent production factory.

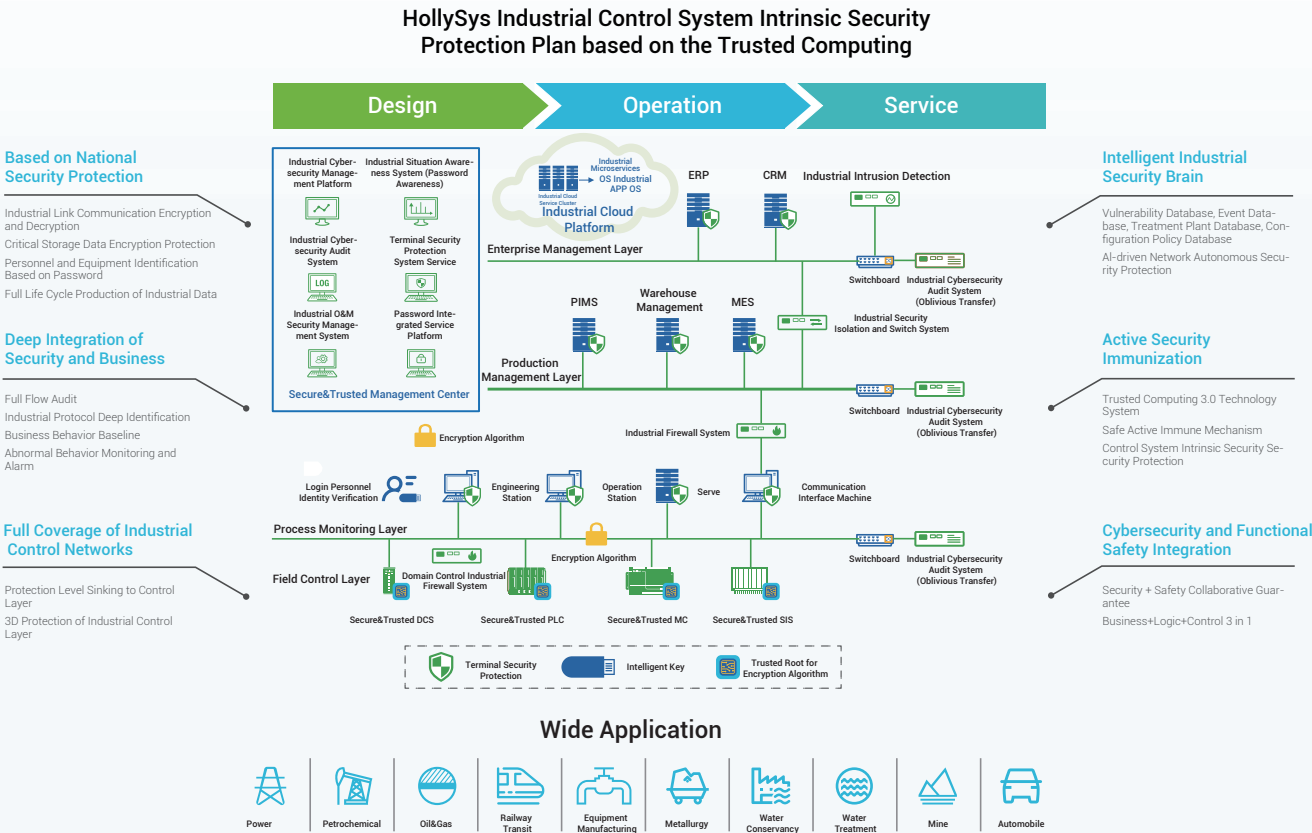
Intelligent Production Line Design and Application

Based on the HollySys core control products and combining mechanical design, combining with electrical control design capabilities, HollySys provides users with intelligent transformation and upgrading of equipment, customized design and development of intelligent production lines, and implementation services, which includes modular design, rapid interconnection, high flexibility, and low-cost upgrades, enabling enterprises to reduce costs and increase efficiency.

INDUSTRIAL CYBERSECURITY

HollySys proposes a robust industrial information security framework and emphasizes "Native Security and Proactive Protection" and integrate "Business + Security" concepts. By deeply integrating network security technology with industrial control systems and industrial internet technologies, HollySys offers a full range of industrial network security products. These solutions create a comprehensive protection system that meets network security and critical infrastructure requirements. Users benefit from end-to-end industrial control system network security services, covering threat detection, planning, construction, rectification, and operational response.

Comprehensive Solutions



Based on the architecture of Trusted Computing 3.0, HollySys has innovated the first domestic industrial embedded secure and trusted technology platform with proprietary intellectual property rights called "HOLLiTrust." Utilizing this platform, we have introduced the first domestically developed native security proactive immune trusted control system, reaching an internationally leading technological level. This system has been successfully implemented in various industries, including power, chemical, coal, and military, significantly enhancing the security assurance capability of a country's core industrial control systems.

As a member of TC260/TC124 and other Chinese national technical committees for standardization and important associations of the industry, HollySys has led or participated in the compilation of dozens of national and industrial standards on industrial information security.

Xinjiang Wucaiwan Power Plant

Industrial Internet + Smart Energy
Integrated Security Protection Project

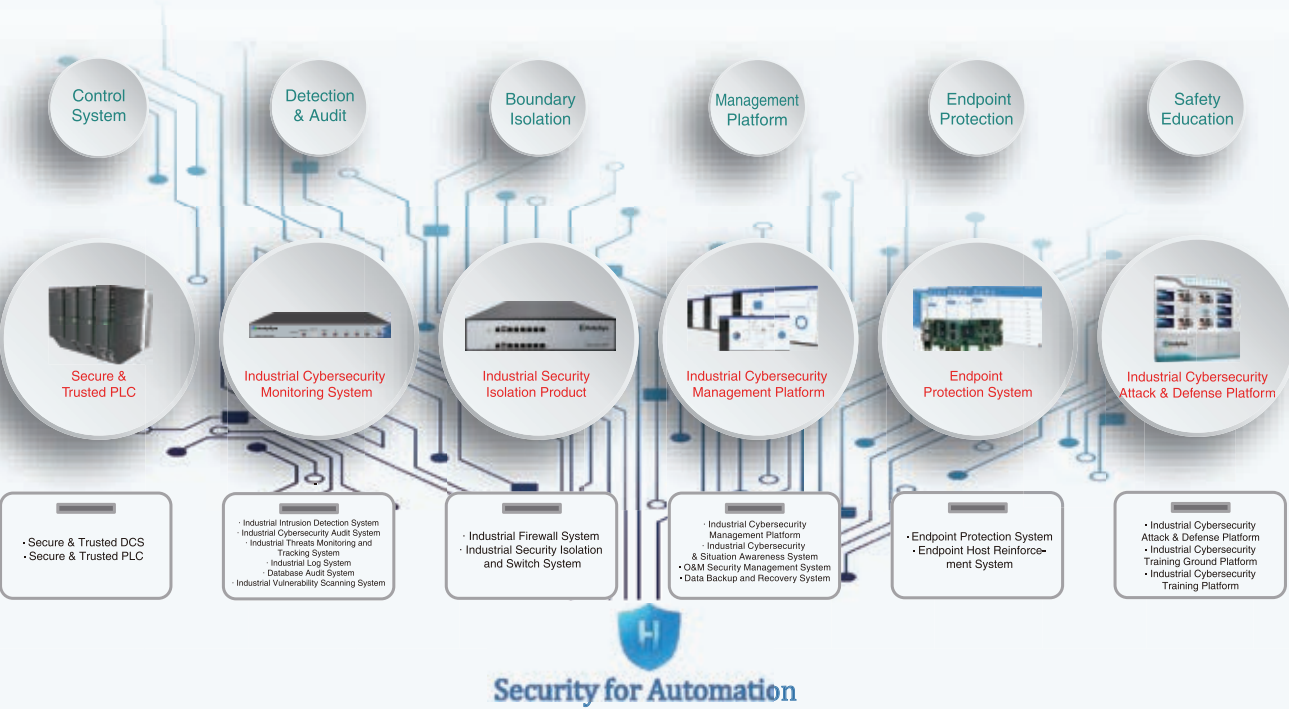
CNPC Research Institute

Cybersecurity Attack and Defense
Simulation Platform Project

China Energy Security

Inspection and Operation & Maintenance
Service Project

Product System



MAIN INDUSTRIAL CUSTOMERS

TRANSPORTATION INTELLIGENCE

Leading Provider of Transportation Control System Solutions and Services in China.

Transportation automation business covers main line railways, urban rail transit, and highways. HollySys has won a number of national, provincial and industry association awards and honors. We also have undertaken or participated in dozens of major research projects funded by the National Development and Reform Commission, the Ministry of Science and Technology, the Ministry of Industry and Information Technology, China Railway Group, the National Railway Administration, and the Beijing Municipal Government. We have also participated in or led the development of several national standards of the rail transit sector.

Main Line Railway

Apply to **70** Railways

Total Length of Over

14,000 km

Nearly **30%** of High-speed Transits and Urban Transits Adopt HollySys Ground-based Signaling System.

Nearly **50%** of High-speed Transits Adopt HollySys Onboard Signaling System.

Urban Rail Transit

Apply to **59** Subways

Serve **17** Cities across the Globe

MAIN LINE RAILWAY

With our continued innovation by technology introduction, digestion, absorption, and independent R&D, HollySys has mastered the train operation control system, one of the core pieces of technical equipment for China's high-speed railways. Relevant systems and products developed and designed by HollySys have been certified to SIL 4, the highest safety level, by European authorities.

The application of our onboard ATP system for the standard Fuxing trains and our trackside train control system for the Beijing-Zhangjiakou High-speed Railway signifies that HollySys's railway technical equipment is at a world-class level.

Our computer-based interlocking system and track circuit system are being used on several railways in China, helping us improve our core product line of railway signaling systems and fully meet the requirements of the application in various scenarios.

2,982 sets of our Onboard ATP System used for all types of Fuxing and Hexie trains operated on railways nationwide

ZPW-2000S Track Circuit System used on 19 railways in China and other countries

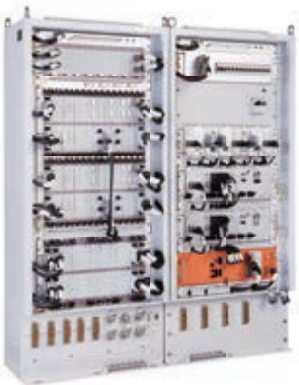
180 sets of our Computer-based Interlocking System used across China

1,225 sets of our Trackside Train Control Equipment used for 70 main line railways including high-speed railways, intercity railways, and passenger dedicated lines, with total length of over 14,000 km



Main Products

Train Operation Control System
for Main Line Railways



Onboard ATP System



Radio Block Center



Train Control Center



TSR Server

Basic Signaling Products (e.g. track circuit,
computer-based interlocking)



Track Circuit



Computer-based
Interlocking



Outdoor LEU
System



LEU



Balise

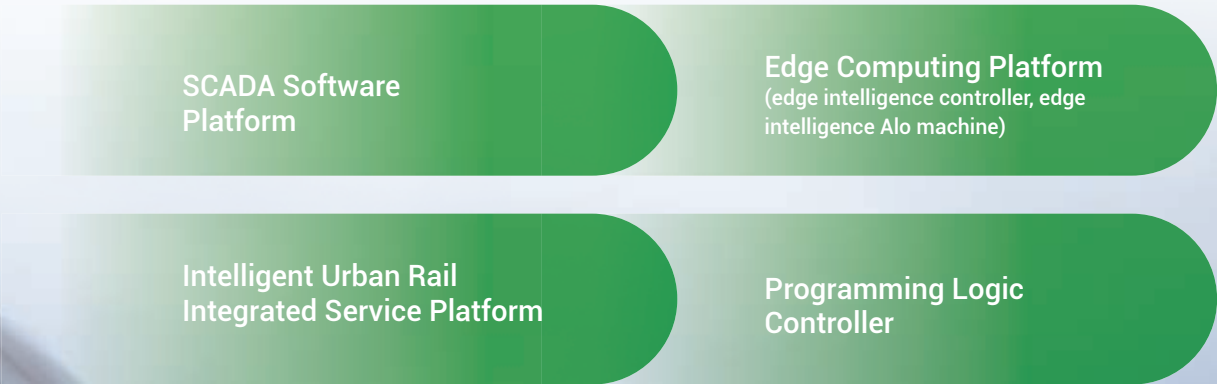
Balise Transmission System



All the train operation control products of HollySys are certified to SIL 4.

URBAN RAIL TRANSIT

With the technical advantages and practical experience accumulated in the urban rail transit industry, HollySys relies on independent innovation and focuses on providing new technology services for industry development. HollySys offers customers more reliable, safer, and more intelligent technology and products, promoting the construction of green and intelligent integration of urban rail transit.



Serving **54** metro lines
in **15** cities worldwide



Beijing
Line 13
Line 10 Phase I
Yizhuang Line
Changping Line (Signaling System)
Line 10 Phase II
Line 8 Phase II Phase 1
Line 4
Changba Liaison Line
Yanfang line
Line 8 Phase III
New Airport Line
Line 17
Line 19
Tianjin
Transportation hub of Tianjin Railway Station
Transportation hub of Tianjin West Railway Station
Yujiapu transportation hub
Cable 5
Binhai New Area Express Rail (PSCADA)
Lanzhou
Line 1 Phase I
Qingdao
Line 13

Wuhan
Dijiao to Hankou North (PSCADA)
Line 1 (PSCADA)
Line 4 (PSCADA)
Line 8 (PSCADA)
Line 21 (PSCADA)
Guangzhou
Line 3
The first phase of Line 5
Yellow section of Line 4
Line 3 extends north
Shenzhen
Line 1 Phase I
Line 1 continued
The first phase of Line 2
Line 2 East Extension
Line 2 Phase III
Line 4 Phase II
Line 6
Line 8
Line 11
Line 14
Line 6 spur line
Gangxia North Junction

Dalian
Line 3 (PSCADA)
Jinzhou to Pulandian Bay New Area Intercity (PSCADA)
Chengdu
Line 10
Line 5
Kunming
Line 3
Line 5
Changshui Airport Line (Signaling System)
Hong Kong
Hong Kong Section of the Guangzhou-Shenzhen-Hong Kong High-Speed Railway
Hohhot
Line 1
Line 2
Overseas Projects
Singapore Metro Thomson-East Coast Line SCADA Project
Malaysia Sarawak ART Line Master Control System Software and PLC project
Lycoming Valley Rail Transit Signal Project in the United States

Main Products

To meet the customer's need for a better travel experience and low operating costs, HollySys has launched an intelligent transportation integrated application platform and edge computing services based on industrial Internet and edge intelligent controllers. These solutions employ a cloud-edge-terminal collaborative architecture.



SCADA Software Platform



Comprehensive Business Platform for Intelligent Urban Rail Transit



Edge Intelligence Controller



Edge Intelligence AIO Machine



》HIGHWAY TRAFFIC

Relying on technical accumulation and scientific research capability over the past 30 years, HollySys creates programmable logic controller (PLC), edge intelligent controller (EIC), quasi-all-weather traffic system and other products to realize state perception and all-round control of all expressway factors. It connects the digital chassis at business and system levels, and provides uniform, complete and accurate data control service for business application to achieve data sharing. HollySys provides software and hardware products that meet the smart control demands of "construction, management, maintenance and operation services" to improve the overall digital and intelligent level of expressways with the help of cloud edge collaboration technique.



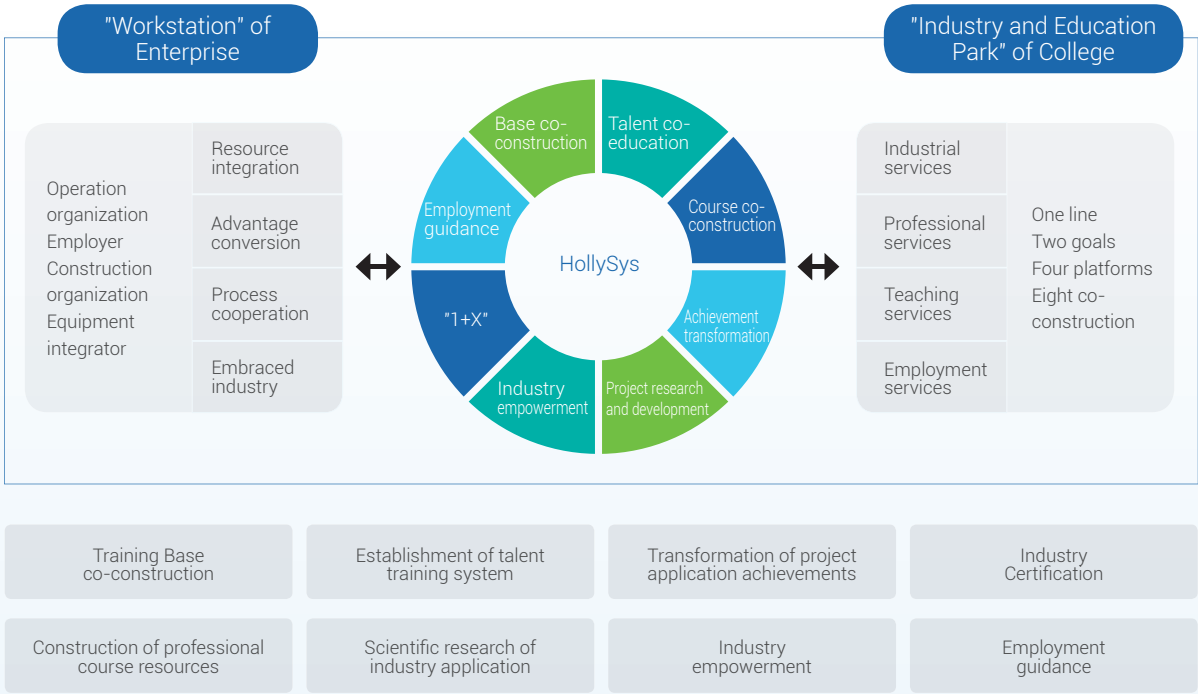
》INTELLIGENT O&M

Following new infrastructure construction concept of seven major technical applications (developing industrial Internet and rail transit) proposed by China in the digital era closely, HollySys has established intelligent O&M solutions of rail transit, combining with its industrial intelligent plant projects and years of operation and maintenance experience in rail transit industry.To meet intelligent operation and maintenance demands for railway infrastructures, reduce operation cost, improve efficiency and guarantee operation safety, HollySys build China Railway intelligent O&M solution based on "cloud-edge-end" technology architecture that takes industrial Internet and edge computing platforms as its core and integrates cloud computing,Internet of Things, big data, BeiDou Navigation, 5G communication, artificial intelligence and other advanced technologies after analyzing industrial characteristics and site demands deeply. This makes railway operation and maintenance safer and more environmental-friendly, and assists in intelligent transform of railway operation and maintenance.



》RAIL TRANSIT EDUCATION AND TRAINING

HollySys will introduce advanced industry applications and corporate resources into the education field, realizing the deep integration of enterprise development and professional personnel training, forming a collaborative network connecting industry enterprises and colleges, and creating a one-stop industry-education integration service platform for rail transit personnel training.



FOOD & PHARMACEUTICAL INTELLIGENCE

Expert on overall solutions of medical and food
and pharmaceutical digital production

HollySys has provided integrated solutions and products for more than 10,000 medical institutions in segments including TCM dispensing intelligence, TCM herbal pieces dispensing intelligence, packaging intelligence, food and pharmaceutical digital factory and catering digitalization. Hollysys has assisted our customers significantly improve intelligence level and operation efficiency.

Apply to over

10,000

Medical Institutions

Over **14,000**

Sets have been

Delivered

Over **80%** Market Share

in the Automated Granule

Dispensing Equipment

The First Set

of Automated TCM Granule

Dispensing Equipment

Automated TCM Herbal Pieces

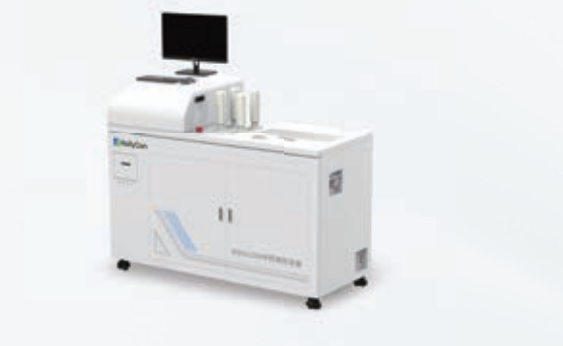
Dispensing Equipment

in China

TCM GRANULE DISPENSING INTELLIGENCE

HollySys Automated TCM Granule Dispensing Equipment is capable of identifying, weighing, and measuring medicines according to the prescribed or required dosage and the number of medicines and doses. It is designed to fully comply with the TCM concept of syndrome differentiation.

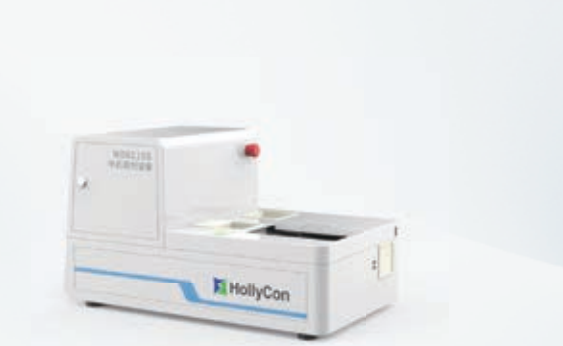
- More Efficient:**
Convenient operation
Time-saving and labor-saving
- More Precise:**
Multiple review and query of dispensing information + hardware self-inspection
- Strong Applicability:**
Does not change doctor's prescription habits
Does not change business process of TCM
- Standardized Management:**
Avoid human-made errors during the dispensing process



MD6110V TCM Granule Dispensing Equipment



MD6120V/MD6120V+ TCM Granule Dispensing Equipment



MD6110S TCM Granule Dispensing Equipment



Intelligent Mobile TCM Pharmacy Equipment

TCM HERBAL PIECES DISPENSING AND DECOCTION INTELLIGENCE

HollySys Automated TCM Herbal Pieces Dispensing Equipment simulates the production of complete flow production lines, and implements a fully automatic process from dispensing and decoction to packaging.

A large, industrial-grade machine with multiple dispensing units, each with a small monitor and a dispensing area. It is mounted on wheels.

Reduce the waste of prepared TCM pieces due to the faulty prescriptions

Save up the labor and management costs of medical institutions

Improve the efficiency of TCM dispensing and taking medicine in hospitals

Promote the automation and intelligence of TCM pharmacy management



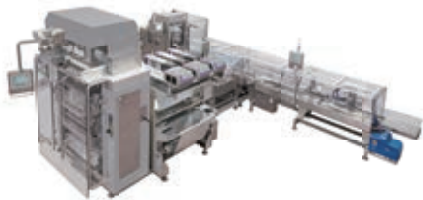
Automated TCM Decoction Pieces Equipment



MD6604 TCM Decoction Packaging and Labeling Equipment

INTELLIGENT PACKAGING PRODUCTION LINE

HollySys's fully automated pharmaceutical packaging solution meets customers' needs for lean, efficient, and tailored product packaging at low costs and high quality. It widely apply to medicine, cosmetics, food, health products and other industries. It can be used for fully automatic weighing, filling,and sealing of medicines, cosmetics, foods, and health care products in various forms, including loose and non-viscous granules, pills, and liquids.



MD Series Fully Automatic Strip-Bag Packaging Line



MD62 Series Automatic Packaging Equipment



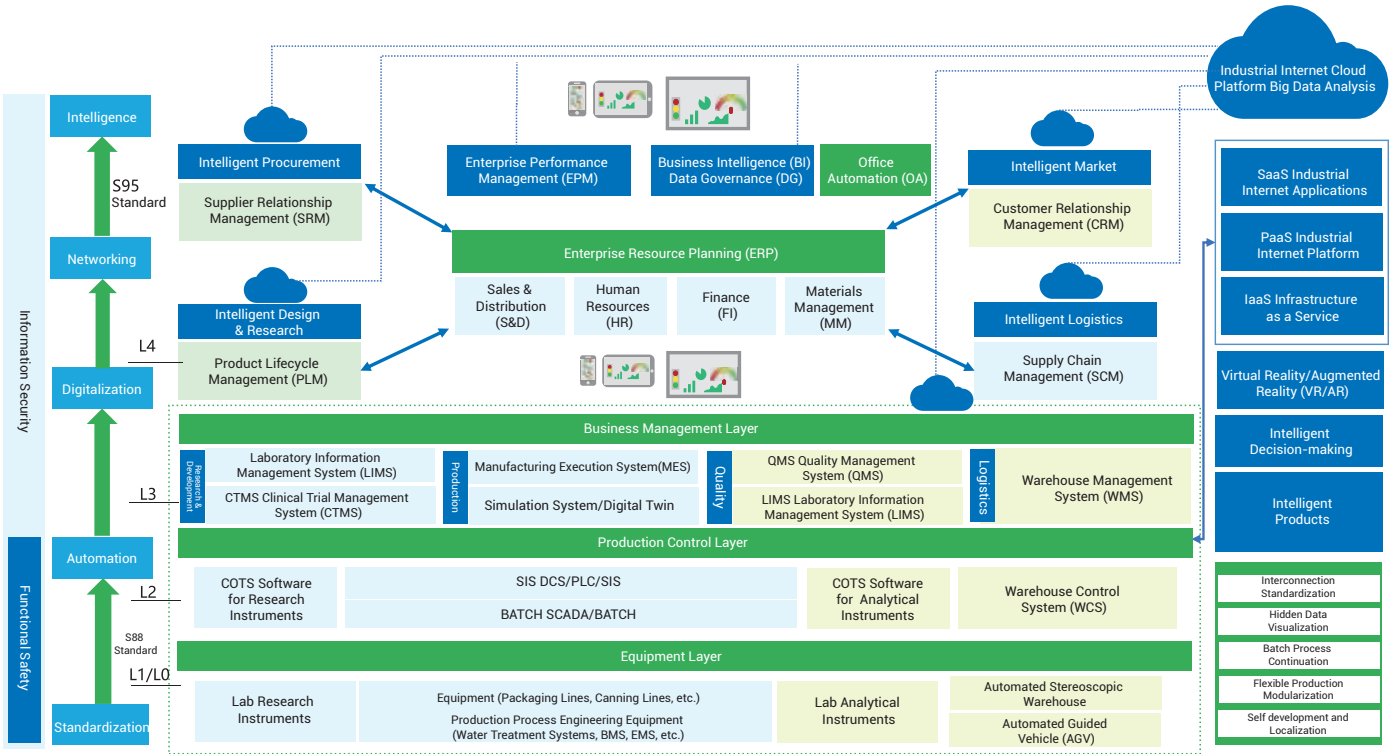
MD Series Fully Automatic Four-Side-Seal Packaging Line



Fully Automatic Bottle Filling Line

FOOD AND PHARMACEUTICAL DIGITAL PRODUCTION LINE

Based on the industrial software, intelligent equipment, fully automated production lines and digital platform, HollySys offers comprehensive lifecycle services, including top-level planning, validation consulting, plant design, automation and information system integration, engineering commissioning, and production operation and maintenance. HollySys empowers traditional factory to achieve intelligent operation, improving intelligent manufacturing level and competitiveness of food and pharmaceutical industry.



ADVANCING TO CARBON NEUTRALITY

Promoting Global Green and Sustainable Development with Technology

“

Based on a profound understanding of the global energy revolution and industrial application, HollySys continuously improves technology and business capabilities in new energy, energy conservation, and other fields, enables them to provide the best energy conservation and emission reduction solutions and products for industrial, transportation and medical customers, and helps enterprises achieve energy transition and become more environmentally friendly at the lowest cost possible.

”

Carbon Capture, Utilization, and Storage (CCUS)

Qilu Petrochemical-Shengli Oilfield CCUS Project

HollySys provided the integrated process control system and comprehensive solutions of DCS+SIS+GDS for this project, ensuring control, management, and operation integration of process equipment and supporting systems, offering solid support to users' overall operations.



1 million tons of carbon dioxide emissions are reduced annually

9 million new trees

0.6 million cars off the road for a year

New Energy - Green Hydrogen

Green Hydrogen Demonstration Project in Kuqa, the Xinjiang Uygur Autonomous Region, China

The largest project of green hydrogen production through photovoltaic power generation; laying a solid foundation for the large-scale and efficient production and utilization of green hydrogen; pushing towards carbon peaking and carbon neutrality.



20,000 tons/year of hydrogen production capacity of electrolytic water

210,000 cubic meters of hydrogen storage capacity

28,000 cubic meters per hour hydrogen transport capacity

20,000 tons of green hydrogen produced annually

485,000 tons of carbon dioxide emissions are reduced per year

Waste-to-Energy

Vietnam Thành phố Cần Thơ WTE Plant

Cần Thơ Waste to Energy Plant, which was started from August 2017 and completed in November 2018, is the first civil waste to energy power plant in Vietnam. The system in the project includes DCS for Boiler, Turbine, Common System and Flue Gas System, and DEH and ETS for 1*7.5MW Steam Turbine.



56,700+ tons of household waste has been processed, accounting for 60% of the total garbage clearance in Cần Thơ

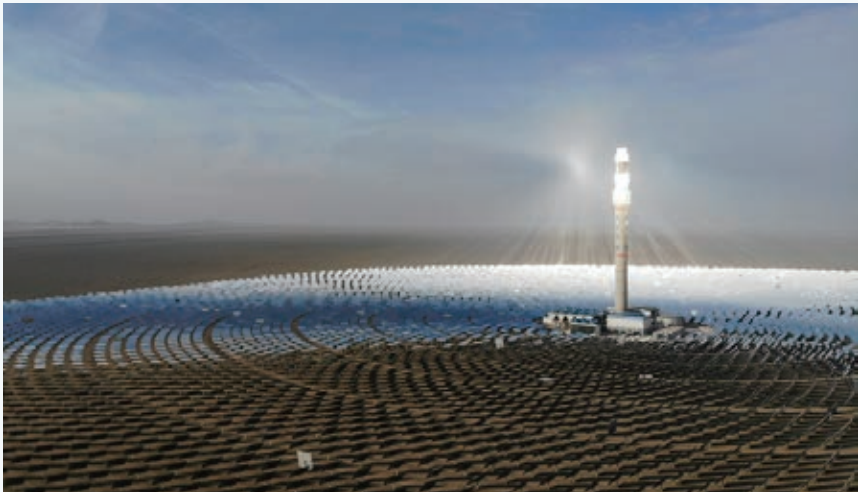
12.43 million KWH+ of green electricity has been provided

1,700 residents' one-year electricity demand has been met

Concentrated Solar Power

Shouhang Hi-Tech Energy Technology Co., Ltd. 100 MW Molten Salt Tower CSP Power Plant Project in Dunhuang

HollySys provides a integrated process control solution, network configuration solution, and APS optimization control solution for the entire an power generation system, including mirror field electrical systems, heat collection and storage, salt melting and discharge, electric heating, evaporation heat exchange, raw water treatment, wastewater treatment, air cooling, electrical control, and steam turbine generator systems. This power generation system continuously converts solar energy into clean electricity, which is then distributed to households through the power transmission network.



260 -meter central heat collection tower

12,000 "super mirrors"

350,000 tons of carbon dioxide emission reduction annually

390 million Killwatt-hours of the annual power generation

24 -hour continuous power generation

OUR CULTURE

After thirty years of steady growth, HollySys has built a culture focused on constant innovation, determined self-improvement, and practicality.

Operation Philosophy

Customers in Mind with Sincerity

Mission

Intelligence for Excellence

Policy

Starting from Original Mindset,
Surpassing Previous Achievements,
Creating New Brilliance

Vision

Building the Most Valuable Intelligent Company
through Stable and Sustainable Development

Strategy

Intelligence, Professionalism, Localization

Value

Customer Value: Professional & Advanced
Solutions, The Most Valuable Products, Satisfying
& High-value Service

Employee Value: A Platform for Self-fulfillment,
Fair Pay & Diversified Pay Models, Harmonious
Working Environment

Shareholder Value: Accumulated Strength,
Steadily Growing Value, Excellent Corporate Image

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Customers in Mind with Sincerity