



LUQUAN WATER PROCESSING



COMPREHENSIVE PRODUCT

THE MILESTONE OF FOUNTAIN CREATED BY LQW,
ENLIGHTEN THE GENERAL PUBLIC.

JINING LUQUAN WATER PROCESSING CO., LTD.



致力于

环保科技与水处理设备

的制造与应用

立足自主知识产权

科技领先 合作共赢
Leader In Science And Technology Cooperation

Committed to manufacturing and application in environmental protection technology and water treatment equipments.

BASED ON THE INDEPENDENT INTELLECTUAL PROPERTY RIGHTS

ABSORB ALL THE ADVANCED TECHNOLOGY

PROMOTE THE DEVELOPMENT OF THE WATER TREATMENT INDUSTRY

CLIMB THE WORLD ENVIRONMENTAL PROTECTION SCIENCE AND TECHNOLOGY SUMMIT

吸收各国先进技术

推进水处理行业发展 攀登世界环保科技之颠

THE HIGHEST GOOD IS LIKE WATER, LOVE IS SPREADING IN LQW.

Enterprise Culture

Motto:

Make the 1st. class quality standards, produce top level goods, create first-rate enterprise.

Business Philosophy:

Quality first, Tech. uppermost, Credit comes first, Market uppermost, the client is the God,
Services uppermost.

Management pursuit:

Hi-High criteria, Strict-Firm control, Considerate-Good service,
Honest-Practical working style, New-Fresh ideas, Flexible-Nimble management.

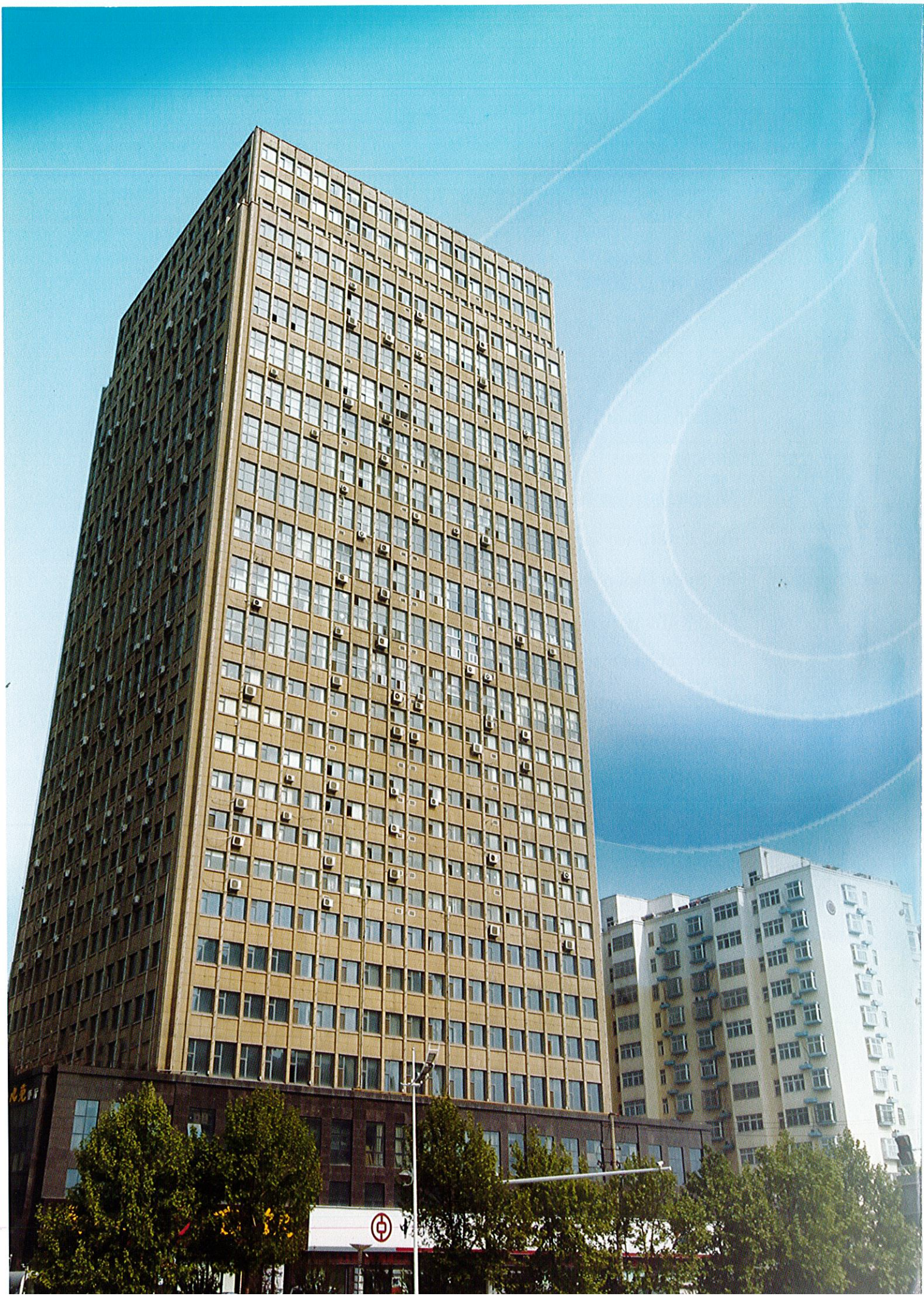
Concept of personnel evaluation:

Exceptionally put virtuous n talented man in a VIP position or person with morality and talent,
to be used with priority, with morality but no talent,
training while using, no morality but with talent,
get rid of him and have neither morality, nor talent, reject.

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LUQUAN



COMPANY PROFILE

Chairwoman of the Board:
Haiying Cui (Helen)



COMPANY PROFILE

Jining Luquan Water Processing Co., Ltd. is located in High-tech Development Zone, Jining city, southwest part of Shandong Province, P.R.China. The production plant covers an area of 26600 m², among which the production areas covered is 6600 m², fixed assets is 77 million Chinese yuan, the annual output value is 220 million yuan, the existing number of employees is 380, including 10 senior engineers, 2 Ph.D, 42 engineers. As a high-tech water treatment engineering company with years of rich experience, having self-managed imp. & exp. foreign-oriented enterprise, our company relies on strong technological strength, integrates basic research, product development, EPCM (Engineering, Procurement, Construction management) with after-sales services, dedicated to the development promotion and application of EDI, Reverse Osmosis, electrodialysis, Nanofiltration, Ultrafiltration, Microfiltration, ion exchange, deaerator, sewage systems and water treatment chemicals.

Our products are involved in four major fields, i.e. industrial water treatment, drinking water purification, sewage treatment and constant water supply, more than 30 varieties. We can provide users with consulting services, laboratory test, field pilot, engineering design, equipment manufacturing and OEM production, construction management, installation and commissioning, parts supply, service and whole set systems.

Since its inception decades ago, our company was acknowledged by the national authorities: the National Ministry of Construction appointed our company as one of the designated

water treatment equipment producers; "Spark a demonstration project" - high salinity brackish water purification effect programmed by Luquan is highly appreciated by the top leaders of Shandong province. At the same time, we're honored as the High-tech Industrial Innovation Enterprise and in the end year of 2016, awarded as one of China - Israel Int'l Technology Cooperation typical programs by Science and Technology Dept. of Shandong province. Through passing the verification, we're qualified as one of the prior suppliers for production equipment for chemical, fertilizer industry and first recommended producer as well by the State Ministry of Chemical Industry.

Our company is a national high-tech enterprise, has our own technological development center, and establish a sound Industry-University-Research Collaboration with such advanced academy and institutes as Shandong Academy of Environmental Science and Shanghai Fudan University, Tsinghua University etc., enjoying a broad technical support from more than a dozen professors at Peking University, Shandong Uni., Shanghai Jiao Tong University etc. Our company has 16 independent intellectual property patents, has gained ISO 9001:2008 quality management system certification, ISO 14001:2004 environmental management system certification, ISO 14001:2004 environmental management system certification, is a member of China Cleaning Industry Association and director of the Membrane Industry Association China.

Our company is willing to cooperate with a person with breadth of vision and create together a new chapter in the water treatment industry.



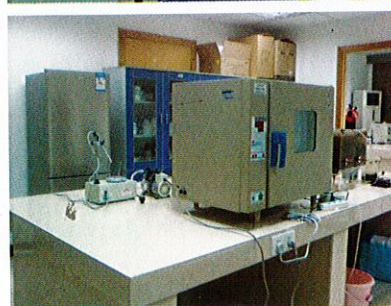
Drainage Pollution Control Research Center Of Shanghai Fudan University

Aiming at establishing an industrial integrated development platform from drainage pollution control, environmental protection to ecological rehabilitation project, Drainage Pollution Control Research Center of Shanghai Fudan University has always focused upon diversified discipline advantages such as environment science, material engineering, biological, economy, laws, to cultivate, select top innovative talents and intellectuals satisfy the national urgent needs. It's promoting deep intersection of disciplines and active mechanism of innovation encouragement, in order to build a world-class discipline platform of the scientific and technological achievements purposed, cultivation, development and marketization.

Drainage Pollution Control Research Center of Shanghai

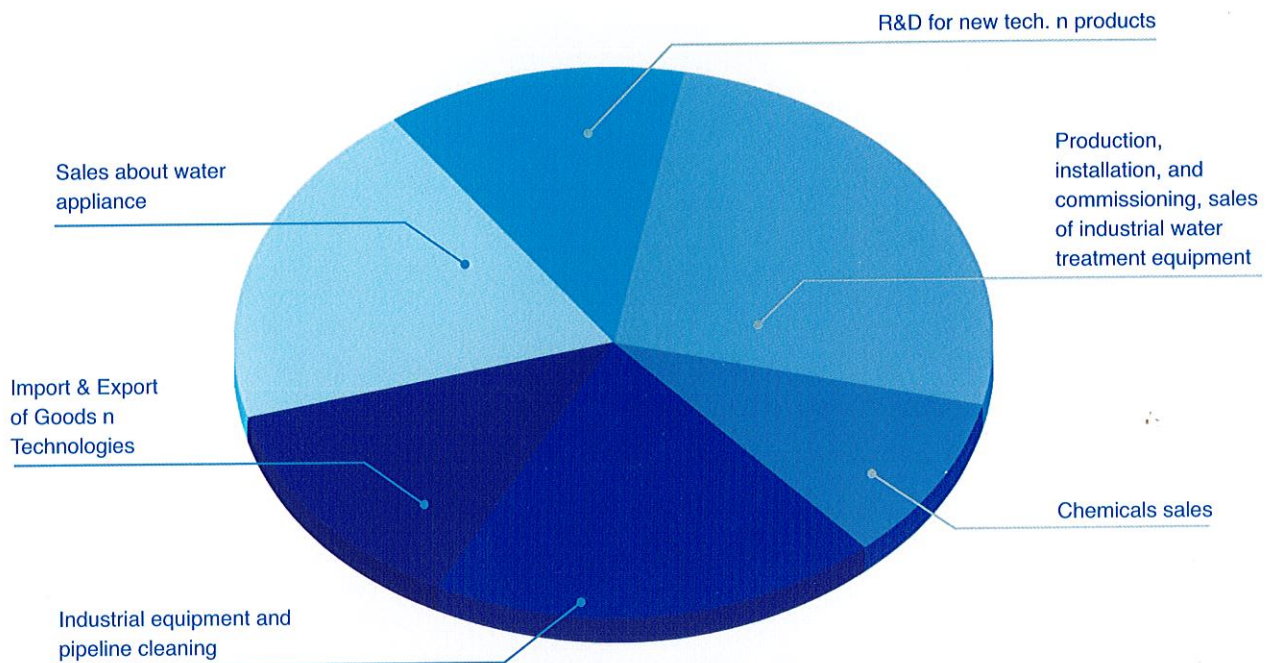
Fudan University Research centers focus on basic, forward-looking research and demonstration projects, invents some major technical breakthroughs of the restriction for national control and resource optimization. It develops international advanced level whole set of pollution control engineering technology system, striving for exploration on the road of seeking for a Chinese characteristics of the suitable watershed pollution control, environmental protection and the ecological restoration, and provides a strong scientific support for national environmental protection.

Recent years, our company has already built up the relationship of Industry-University-Research Collaboration and have a strong platform for joint research, development and co-operations.

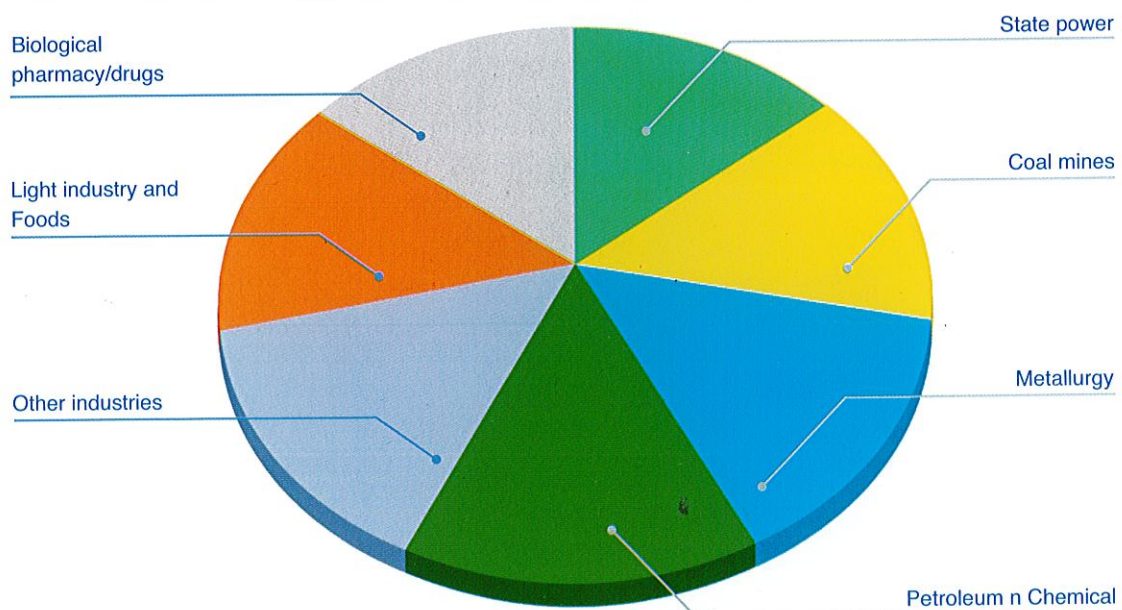


BUSINESS SCOPE

General Lines Of Business



Classification Of Industries Served





JI'NING LUQUAN WATER PROCESSING CO., LTD.

Business Scope

Classification Of Geographical Areas Covered



Our business occupy every corners throughout China's mainlands, having Rep. Offices in such big cities as Dongying, HaErbin, Xi'an, Taiyuan, Inner Mongolia.

Classification Of Global Business Covered



Technical Group

Project Inspection n Acceptance

Recent years, Ji'ning Luquan Water is held in charge of major science n technology projects, important program for many times, has won three Prizes of the State-level

Scientific and Technological Progress Award, two awards for S&T Achievement, four Quality Inspection Awards etc.





JI'NING LUQUAN WATER PROCESSING CO., LTD.

R&D enterprise Technological Center

R&D enterprise Technological Center

Technical R&D Center was established in 2010, practice the system of director-general responsibility under the leadership of G.Manager. We have four typical working committees available, i.e. Specialist collecting committee, Technical consulting committee, Foreign talents import committee, and Domestic Industry-University-Research Collaboration organization. And R&D testing section, pilot division, operation n info. Collection dept. And financial dept., along with third party inspection center and co-construction hall. Advanced instruments are purchased recent years, like Liquid chromatography, gas chromatography, water quality analyzer, pollution index meter, turbidity meter, conductivity

meter, water hardness testing equipment, electronic microscope, general ion meter, digital electric thermostat and other sets of devices. 22 specialist n technicians are working together to focus upon such comprehensive technologies as Sewage treatment, water purification, machinery manufacturing, material science, chemical process, automatic control etc. Their professional structure and level is relatively occupying every fields, team members are younger than 36 years old, which is a young, energetic research team. Our company conduct R & D, investigate, and manufacture group by group to achieve sustainable development.



Technical Group

Common R&D Exploration with Foreign Experts

WIPO patented CCD-RO (Continuous Closed-circuit Desalination - Revers Osmosis) program

Compared with domestic traditional RO systems, Israeli business partner - Desalitech Inc. once was invited to come over to visit Ji'ning for better understanding of its invention registered in WIPO, which can make modification upon existing water purification RO system, upgrading present traditional process water recovery rate from 75% up to more than 90%, by automatic regulation for feed-water flows and highly intelligent controlling cabinet, optimizing brackish water membranes, combination with following PLC

and monitoring supervision, chemical dosage measuring system, UF or multimedia filters, in place and on line back flush, mixed bed penetration polishing, conveying pumps, tank etc. All of systems are made as skid-mounted or container solutions and can be widely used in such industrial application as sewage deep processing, municipal waste water and daily drinking water etc.

Mr. Francis DSa - Sr. Sales Manager of Desalitech Inc. was taken to have business tours.



WIPO patented MSBT key technology (Multi-stage Biological waste-water Treatment) program

Compared with domestic traditional bio-mass systems, Israeli close cooperater - ATZtech Ltd. was regularly invited to come over to visit Ji'ning for promoting its DAO invention registered in WIPO, which can combine with AOP (Advanced Oxidation Process) to conduct upgrading modification together towards local existing industrial

factory self-managed waste water treatment station and municipal waste water plant.

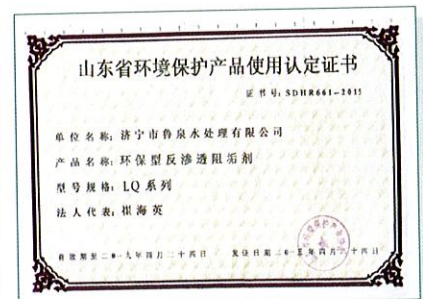
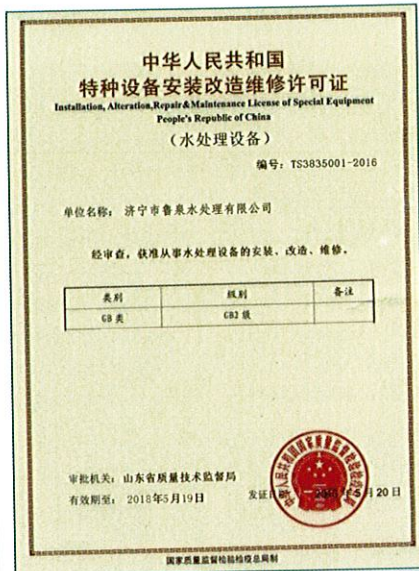
Mr. Joseph Atzman - CEO of ATZtech Ltd. was invited to have factory tours and Seminar participation.



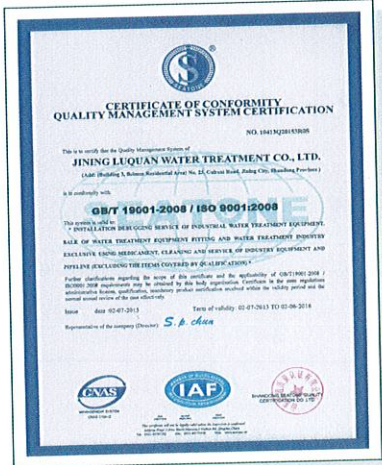


JI'NING LUQUAN WATER PROCESSING CO., LTD.

Certifications



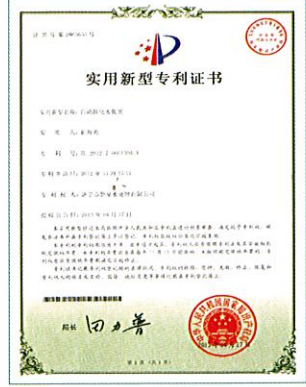
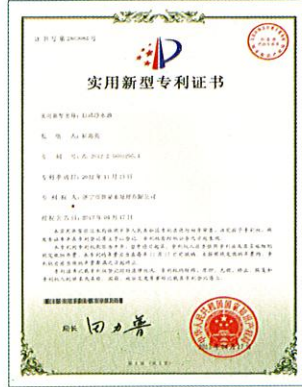
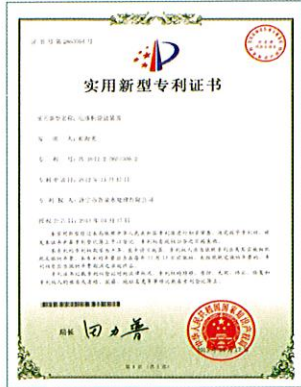
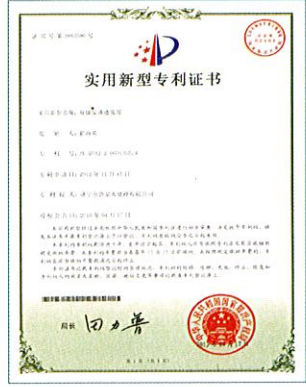
Certifications

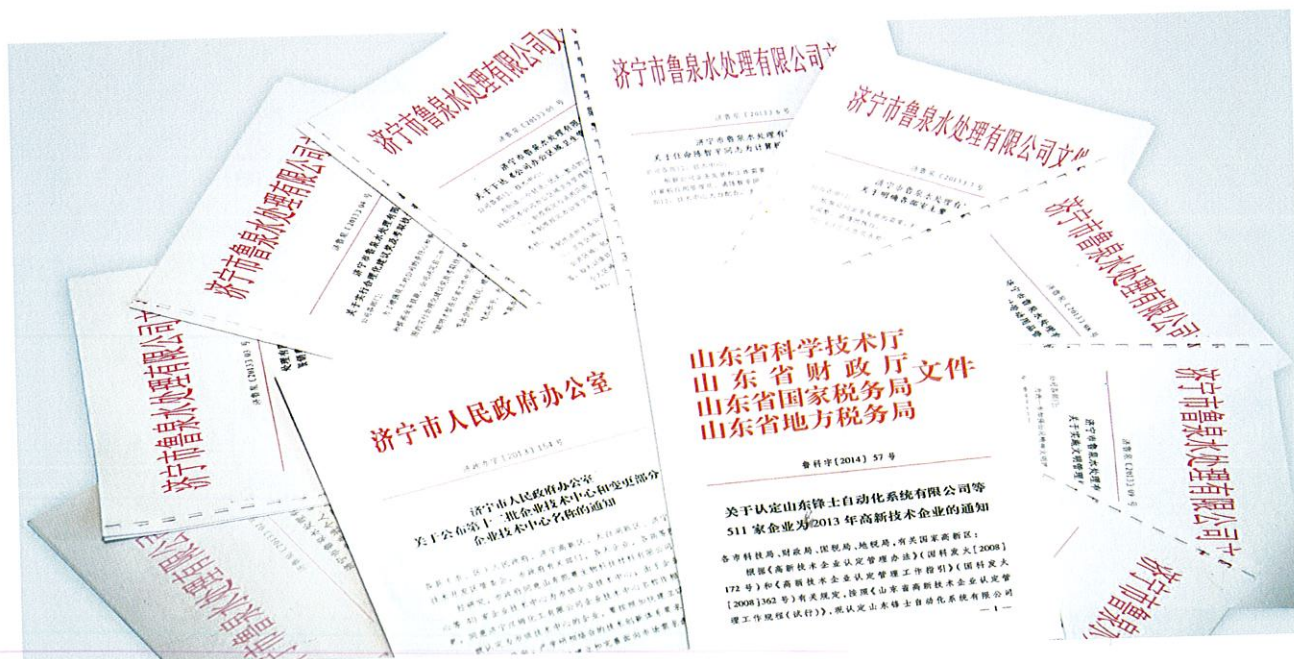




JI'NING LUQUAN WATER PROCESSING CO., LTD.

Technical Patents







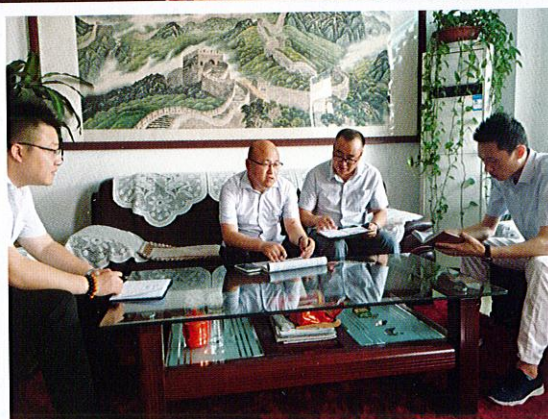
JI'NING LUQUAN WATER PROCESSING CO., LTD.

Press-Media Report

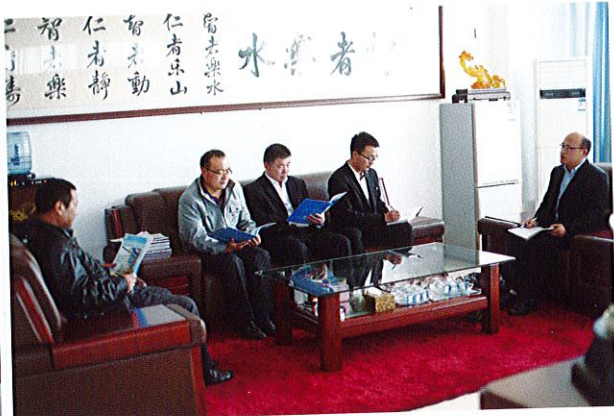
Governmental Priority Financial Support Hi-Tech Enterprise - Leadership Team

An elite team heavily equipped with cutting edge techniques, specialized staffs, overall quality is the powerful drive for Ji'ning Luquan Water Processing Co., Ltd's sustainable development in the fields of water purification equipment design, project design and engineering construction. Since the opening year of 2001, we have mastered a complete set of water treatment management

system through continuous R&D and constant practice, have accumulated successful experience about water treatment equipment design, production, kit product selections and procurement, installation, operation management and so on. By advanced mode of thinking, based upon international standards, our design technology have a leading presence n higher position in the industry.



Press-Media Report



Chairwoman of the Board - Haiying Cui is making proposal for water treatment industry at the 1st Session of the 13th National Committee of the Chinese People's Political Consultative Conference, Ji'ning Sub-committee in Feb., 2017 .

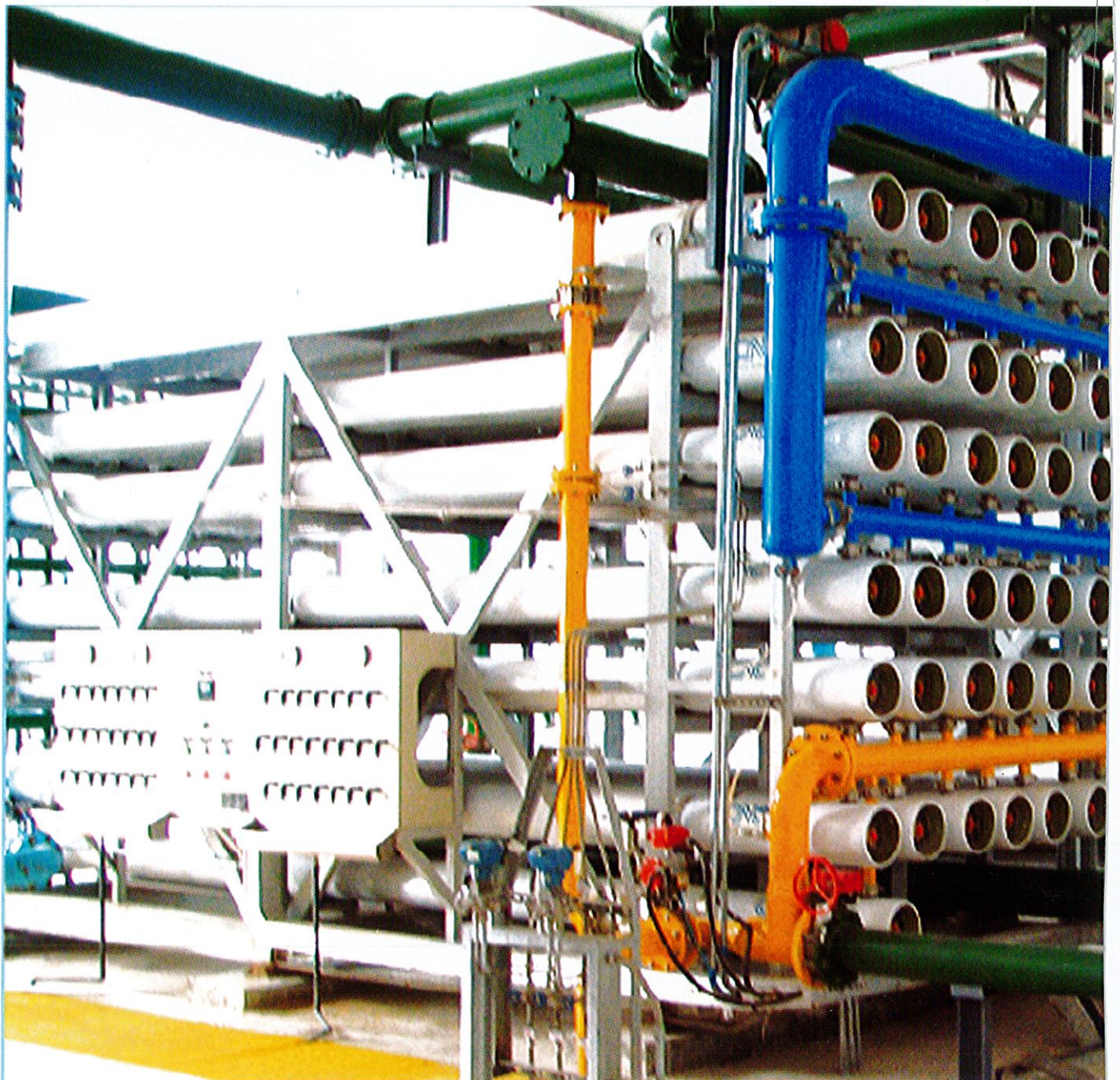




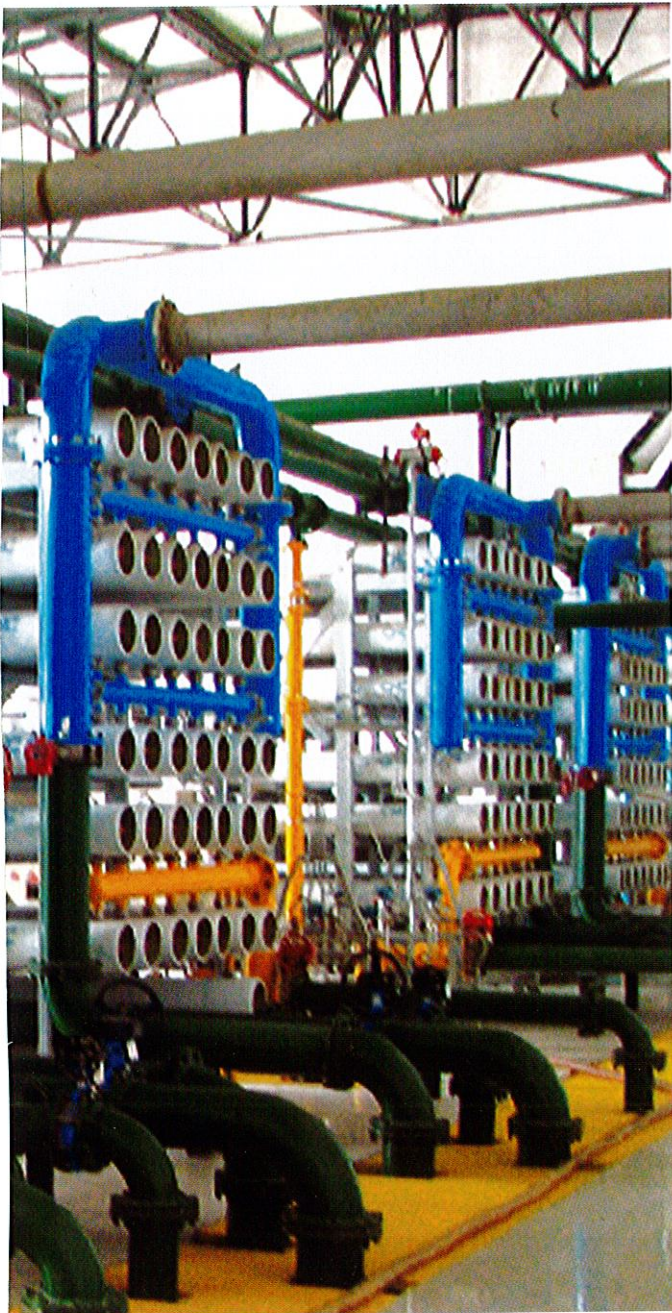
JI'NING LUQUAN WATER PROCESSING CO., LTD.

System Engineering

Water Purification Project - 800M³/H Full-Automatic Water Treatment Sys. For Power Plant.



System Engineering



电厂反渗透系统



EDI



UF

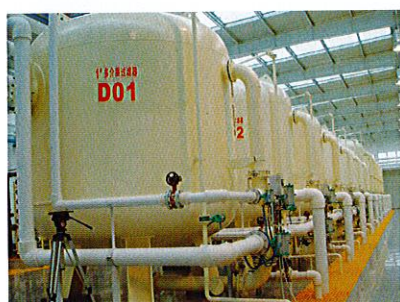


Product Introduction

Multi-Media Filter (MMF)

MMF is also called mechanical filtration, it's a type of pressure filter. As one necessary pre-treatment stage for water treatment, it mainly remove suspended solids, silt and sand,

few mechanical impurities in the water, filter materials used are refined quartz sand and anthracitic coal.



Activated Carbon Filter (ACF)

Featuring strong specific surface areas of activated carbon, activated carbon filter is mainly eliminate suspended matters, organic substances, chroma, free chlorine, odor absorption etc.

Due to super huge surface areas, the amount of suspended n organic matters is quite bigger and meanwhile its absorption capacity for free chlorine can be up to 100%, thus, it's commonly used as system's pre-treatment device for inlet water full of organic, suspended matters and free chlorine.

Armed with 10-30 mesh granular activated carbon, ACF always choose coconut shell charcoal as water purification proceedings, it works behind the stage of Quatz sand or Mn sand filtrations and considered as one effective absorption filtration method.



Product Introduction

Iron n Manganese Removal Filter

Filled inside with natural manganese sand, it's one pressure filtration device and applicable for iron elimination of under ground water, iron contents would be $<0.3\text{mg/L}$ after filtration. It works properly on the condition that iron content of raw water $\leq 2.0\text{mg/L}$, Mn content $\leq 1.5\text{mg/L}$

raw water aeration \rightarrow single grade iron n Mn filtration.

when the contents are beyond above mentioned data,

raw water aeration \rightarrow oxidation \rightarrow 1st. grade iron removal
 \rightarrow 2nd grade Mn removing filter.

By using oxygen in the air, equipped with natural Mn sand as filtering medium, autocatalyzed oxidation happens when underground water mixed with fully aeration, passing by layer of Mn sand, speed up transition between Fe^{2+} and Fe^{3+} keeping closure and separation iron from water, achieve the purpose of iron removal.



High Efficient Fiber Filter Tank

According to principle of Fluid Dynamics, such advanced filter has been developed recent years, it features as combination of advantages of sand filter and capsule fiber filter, it has double shining points like quick speed flow, long life span, high precision filtration, smaller resistance of fiber filter material and integrates with simple operation of sand filter; compressed tightly by raw water on fiber materials, this kind of filter can achieve easy operation, practical, and not be damaged easily without adding additional compaction hold-down.

It's widely used in such water treatment application fields as power, petroleum, chemicals, coal industry, fertilizer, metallurgy, foods, beverage, electronics, cosmetics etc. and further deep processing for industrial sewage, swimming pool, bathing pool and daily drinking water etc.





Product Introduction

Ultra Filter, Ultrafiltration (UF)

Ultrafiltration (UF) is a variety of membrane filtration in which forces like pressure or concentration gradients lead to a separation through a semipermeable membrane. Suspended solids and solutes of high molecular weight are retained in the so-called retentate, while water and low molecular weight solutes pass through the membrane in the permeate (filtrate). It can retain particle capture by selection of Microporous screening, macromolecular between $1-3 \times 10^4$ With

the external pressure, water will, at certain speed, pass through the membrane, water molecules and molecular weight less than 300-500 solution escape from penetrating membranes, while its size bigger than mesh pore, Macromolecular particles are separated through screening classification. i.e. in other words, when water pass through membrane, most of Colloid silica and abundant of organics are removed.



Nano Filter, Nanofiltration (NF)

Nanofiltration is a membrane filtration-based method that uses nanometer sized cylindrical through-pores (1-10 nanometers) that pass through the pressure-forced membrane separation between RO and UF process, besides it has property of charge itself, it's a relatively recent membrane filtration process, which is similar to the working principles of mechanical screening. It's an important reason for its strong ability to have higher desalination and eliminate inorganic salts.

Nanofiltration is becoming more widely used as actual separation in the fields of electronics, pharmaceuticals, food processing applications such as dairy, for simultaneous juice high concentration, separation of Multi-peptide amino acid, Concentration and purification of antibiotics, Whey protein concentration, nano filtration membrane and Biochemical reactor coupling and partial (monovalent ion) demineraliation.



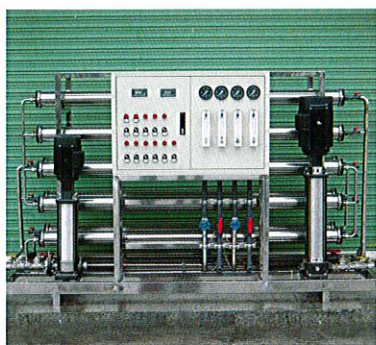
Product Introduction

Reverse Osmosis System (RO SYS.)

Reverse osmosis (RO) is a water purification technology and the most accurate membrane-based liquid separation that uses a semipermeable membrane to remove ions, Soluble salt, molecular wt. more than 100 organic matters but allows water molecules escape in large numbers, rejection of membrane made from Acetate Fiber can generally be up to 95%, composite membrane is more than 98%, they're widely used for seawater, brackish water desalination, feed-water to boilers, high quality purified water for industry use,

electronic ultra pure water, portable drinking water production and sewage disposal, specialized separation etc.

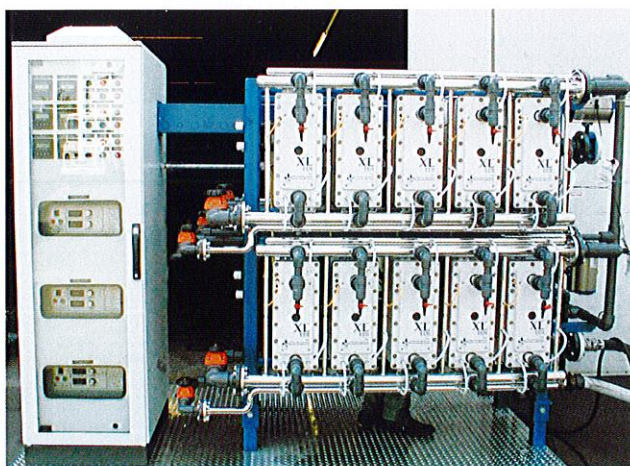
When salinity of raw water is relatively higher, i.e. TDS >500mg/L, RO is used before Ion Exchange process so that it can significantly unburden the Ion Exchange device, lower operational costs and waste water discharge, saving lots of re-birthed acid and alkali and reduce the contamination of the environment.



Electrodeionization Device (EDI)

EDI is a new technology that combines ion exchange resins and ion-selective membranes with direct current to remove ionized species from water. This process absorb the essence of ion exchange and electrodialysis. By using electrodialysis water and polarization ionized H^+ and OH^- ions, this process realize the regeneration of the resin resin after failure to overcome defects by chemical regeneration.

Therefore, EDI is a perfect desalination process and best equipment for an alternative to replace mixed ion exchanger. EDI devices are wide used, due to its low energy consumption, bigger water yields, higher desalination rate, stronger stability, in such fields as medicine, electronics, chemical, food, water softening, sea water desalination and so on.





Product Introduction

Electrodialysis Device (ED)



Electrodialysis is a membrane separation technology, under the influence of DC electric field, the potential difference is driven by the ion exchange membrane permselectivity, separating the electrolyte ions from the solution, the solution is desalted and concentrated, refined or purified. As far as water treatment is concerned. This technology is firstly applied to the brackish water desalination, and then gradually expanded to the sea water desalination and the production of drinking water and industrial high water quality feedwater processing.

At present, electrodialysis device is widely used in desalination of water, concentrated sea salt refined dairy products, juice deacidification n fine purification, chemical-making etc. it can work as pre-treatment process for foods and beverages, light Industrial production of pure water, ultra pure water for electronics, pharma. etc. primary softening n desalination of boiler makeup water n Brackish water for drinking water

Counter Current Rebirth Cation(Anion) Exchanger

The equipment is used for water purification, when it's in operation and regeneration of fluid through the exchanger in the opposite direction, it has good advantages as high degree of regeneration, low regeneration agent consumption, ensure the water quality, but the equipment operation is more complex compared with downstream regeneration of ion exchanger.

There're three models, air tip layering, water tip layering and atmospheric press bed.

According to the requirements of the water treatment process, the strong or weak cation (anion) exchange resins can be filled so that it makes up different salt removing elimination systems.



Product Introduction

Mixed-Ion Exchanger (Mixed Bed)

Mixed-ion ex-changer (Abbr.: Mixed bed) is used for the removal of dissolved substance in the water treatment system. Inside of water ex-changer equipment is filled with strong acid and strong alkali ion exchange resins.

After penetrating through the mixed bed, the 1st grade demineralized water can get purified water including conductivity $\leq 0.02\mu\text{S}/\text{cm}$, $\text{SiO}_2 \leq 0.02\text{mg}/\text{L}$, can be used as the supply water for super high pressure boiler or direct current boiler. The device can also be used for the purification of electronics, medicine, paper-making, chemicals, nuclear industry and grain, glycerol, ethanol etc. When the raw water salinity is relatively lower, water consumption is small, it can also be used separately to desalt water.



Steam Atomizing Deaerator

After the boiler feed-water is treated by softened or desalination process, the water also contains oxygen and other gases, which will cause the boiler body pressure components metal surface corroded, hence it will influence the security of running boiler and shorten its life span. In order to remove the dissolved oxygen in the water supply of the boiler, steam atomizing deaerator works to protect the boiler against oxygen corrosion. Based upon the principle "The dissolved oxygen and other gases in the water are directly proportional to the pressure on the liquid level, and the solubility of the gas is decreased with increase of water temperature. When the water temperature reaches boiling point, the water no longer has the ability to dissolve the gas, water vapor pressure is equal to the external pressure, gas pressure is zero, the water can not dissolve the gas." Heated to 104°C by full contact special filling with the steam, it forces the dissolved gas escape from the water.



The steam atomizing deaerator is designed for two stage deaerating, 1st. spray heating, 2nd. packing layer feeding coupled with two controlling sys. 1st. water temp. and water level auto. controller, widely used for industrial boiler, Station Magnetometer higher deaeration demanding situations.



Product Introduction

Revolving Film Mode Deaerator



XMC series revolving film deaerator is a newly designed thermal deaerator and can be divided into two models: atmospheric pressure form, thermal deaerator is to lower dissolved oxygen, release it by boiling water till boiling point, dispels oxygen over the water surface, letting vapor spread constantly ensure contents of oxygen for makeup water to achieve water quality standards, it prevents gas pipeline from being corrosive, revolving film deaerator is the most advanced thermal deaeration device.

It's made of water tank and deaerating tower, oxygen dispell and heating is done inside of tower, water tank is for storage, buffing and deep oxide-eliminating, in addition, pre-heating and safe running for water pump. This device features high deoxidization efficiency, strong adaptability, good stability and energy saving etc.

Precision Filter, Catridge Filter (PF)

The cartridge filter shell is made of stainless steel, inner equipped with PP meltblow, Titanium filter cartridge, activated carbon etc. tubular filter elements, according to different filter media and design to select different filter components to finalize the requirements of yield water quality. All kinds of coating equipment top cotton filter and frame type, bag filter, suitable for fine chemical, oil, food, medicine, water treatment and other occasions.



Product Introduction

Full Auto. Sodium Ion Exchanger

Fully automatic Na ion exchanger is a water softening device, mainly remove

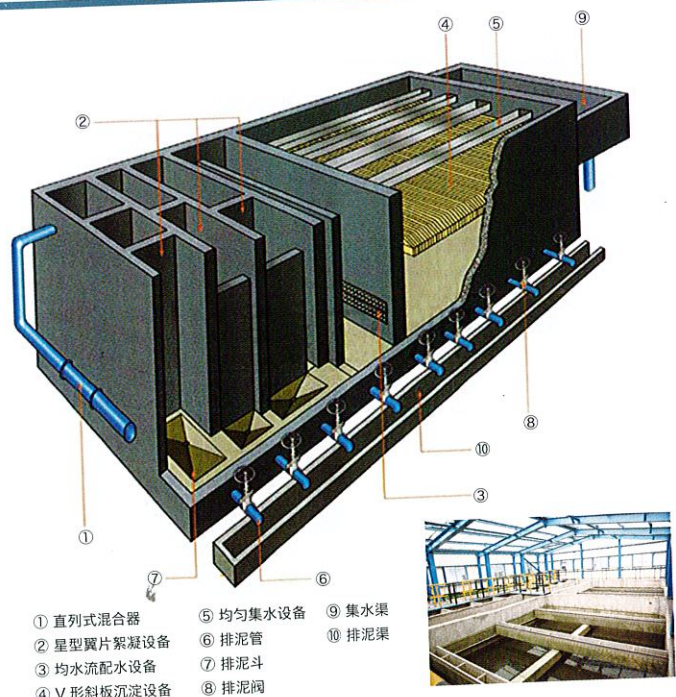
Ca, Mg, Ba etc. ions (hardness of yield water is below 0.03mmol/L) it can be applicable to feed water for boiler and used in such industrial fields as chemical industry, textile, printing and dyeing, brewage etc. industry produce and re circulating cooling water sys. for central air-conditioning. Strongly Acidic Cation-exchange Resins are used as exchanging agent.



Mixed Coagulatory Settler Process

Adopted by principles of Contact flocculation and precipitation water treatment technology, mixed coagulatory settler processing is updated innovative development based upon traditional coagulation sedimentation technology. According to the working principles of Micro hydrodynamics, physio-chemical of colloid, combined with theory of Turbulent vortex control, Boundary layer separation, it has higher mixture efficiency and full usage for medicament, The formation of alum flocculation size is fine, proper scale and high density.

Sedimentation is not only using the principle of shallow pool precipitation, but also increasing and strengthening the connection of coarse flocculation and filtration net capture, smaller particles leakage, lower water turbidity. Turbidity of outlet water is no more than 3NTU after Coagulation settler, yield water turbidity from final filtration is under below 1NTU. Attach on the right side is three dimensional frame Schematic diagram of mixed coagulatory settler processing





Product Introduction

Full Auto. Integrated h₂O Purifier

FA model fully automatic hi-efficiency water purifying device is mainly made of hi efficient reaction precipitation area and full automatic filtrating district, this compact device has series of multi-functions like internal reaction, flocculation, sediment, sludge collecting, discharge, water distribution, filtration, backlash, sewage outfalls etc. totally achieving automatic running requirement. It can be used in purification for water supply out of rivers, lakes, stream, reservoir etc. water reuse, coal washing, car cleaning, paper making, electroplating, dyeing, and other industrial sewage purification.

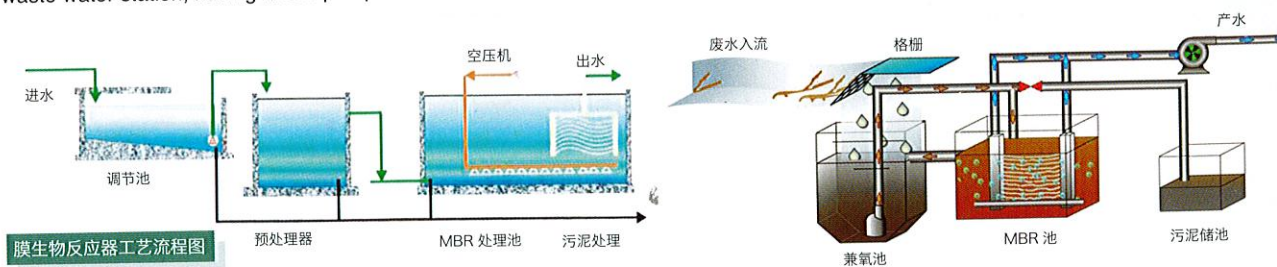


Mbr Membrane Bioreactor

MBR, Membrane Bio-Reactor is a newly form for waste water disposal and the combination of a membrane process and biological treatment. The activated sludge and solid content are mainly used in the biological treatment of the membrane separation equipment in the aerobic biological pool. Thus, activated sludge concentration and Sludge Retention Time in the system can

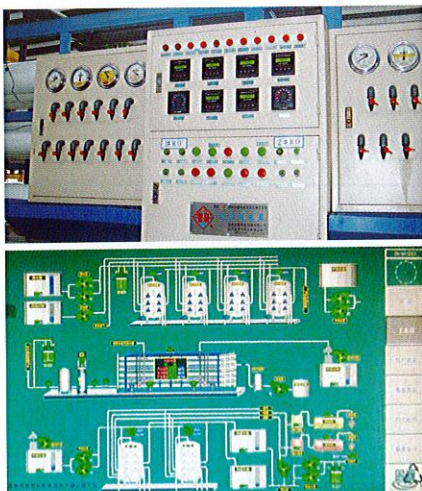
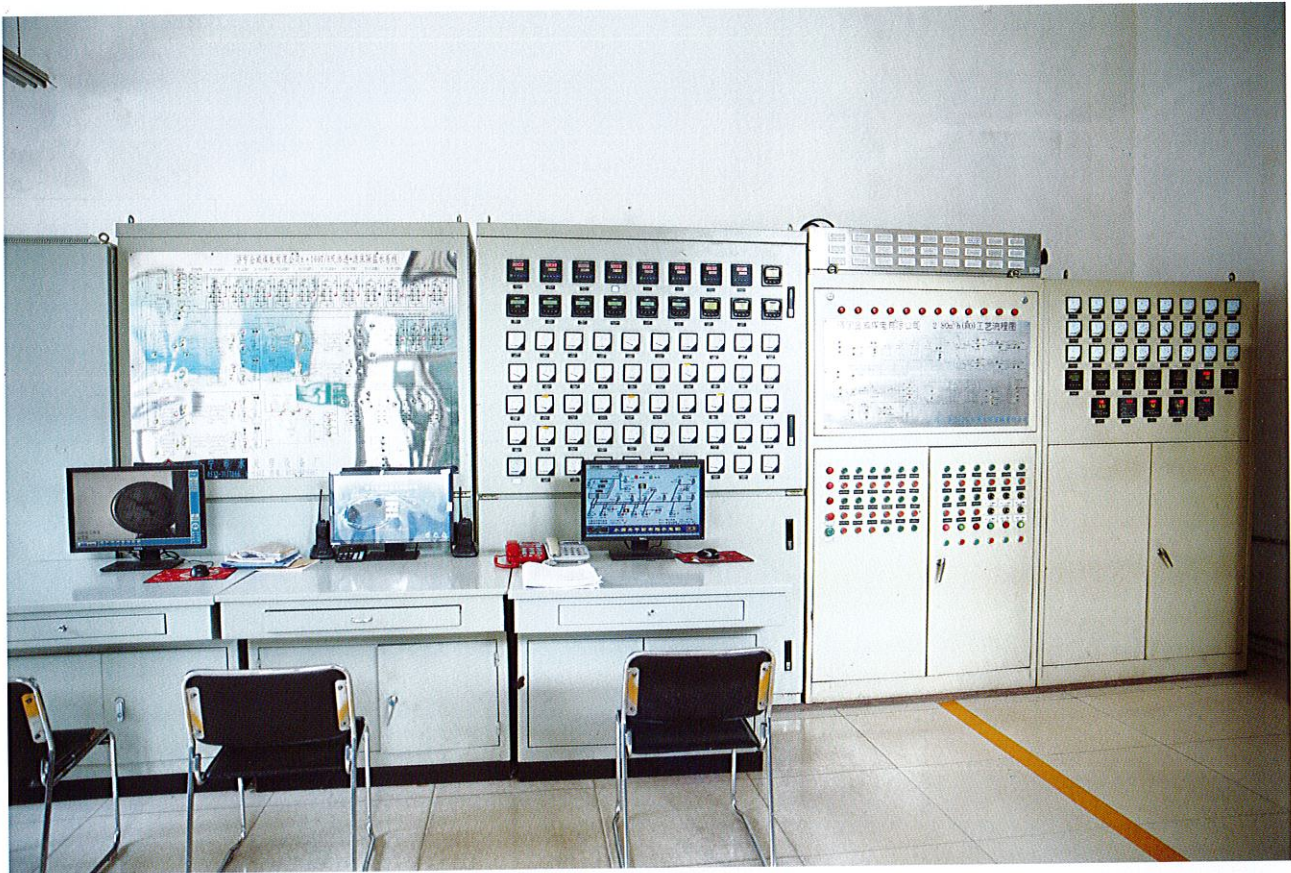
be increased to 2-4 times, the relative hydraulic retention time is greatly reduced, for those large particles that is hard to The difficult degradable in the treatment pool can be continuously reactive and degradation, therefore, membrane bio reactor can maximize, through the membrane separation technology, strengthen of the biological reactive capacity, MBR technology has been developed for decades, enriches our company's long-term practical experience, it has attract world's attention in the global environment protection industry.

MBR integrated device is a combination of membrane bio reactor for recycling and sewage disposal, it has all the advantages of MBR: good quality yield water, low operation costs, strong impact resistance, few sludge wastage, high automation degree etc. In addition, it has smaller footprint, ease of integration, it acts as core unit for large waste water station, having broad prospects for waste water treatment field application.



Product Introduction

Power Controlling System





JI'NING LUQUAN WATER PROCESSING CO., LTD.

Product Introduction

Waste Water Treatment Engineering-Sewage Disposal Spot



Product Introduction

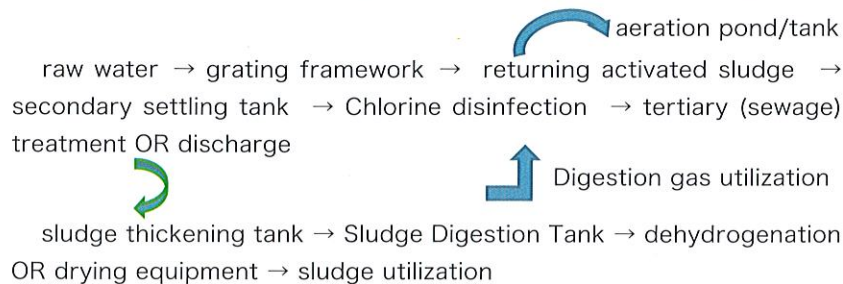


全膜法深度处理废水回用工程



Product Introduction

Sewage Treatment Equipment

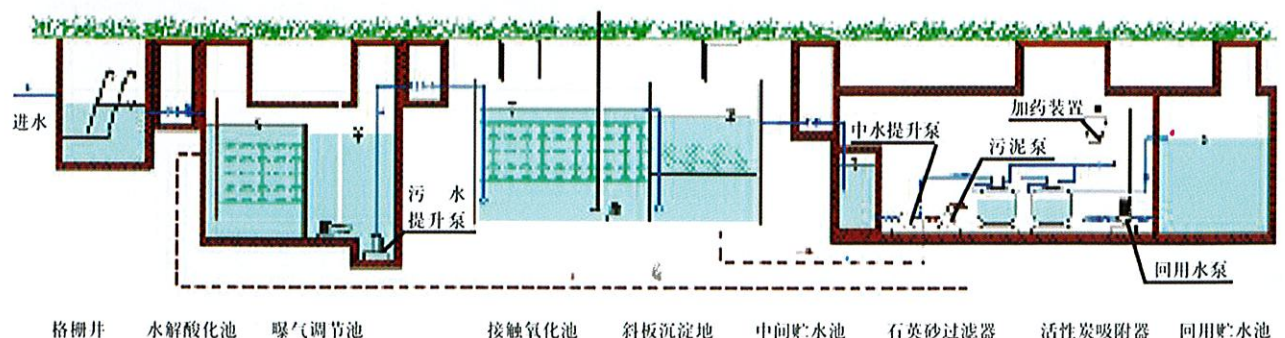
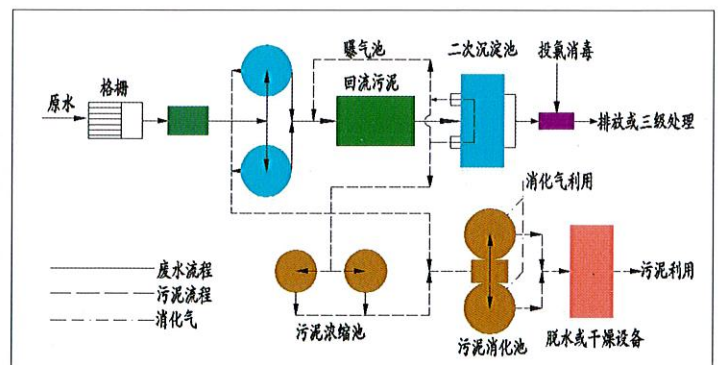


Notes:

- sewage process
- sludge process
- digestion gas

Operational Flowchart:

inlet water → grating well → Hydrolysis-acidification Tank → aerated conditioning tank → waste water drainage pump → contact oxidation pond/tank → Board Drain trap → interim reservoir → intermediate lifting pump → quartz sand filter → sludge pump → acticarbon filter → dosing system → water reuse pump → returning water tank




Product Introduction

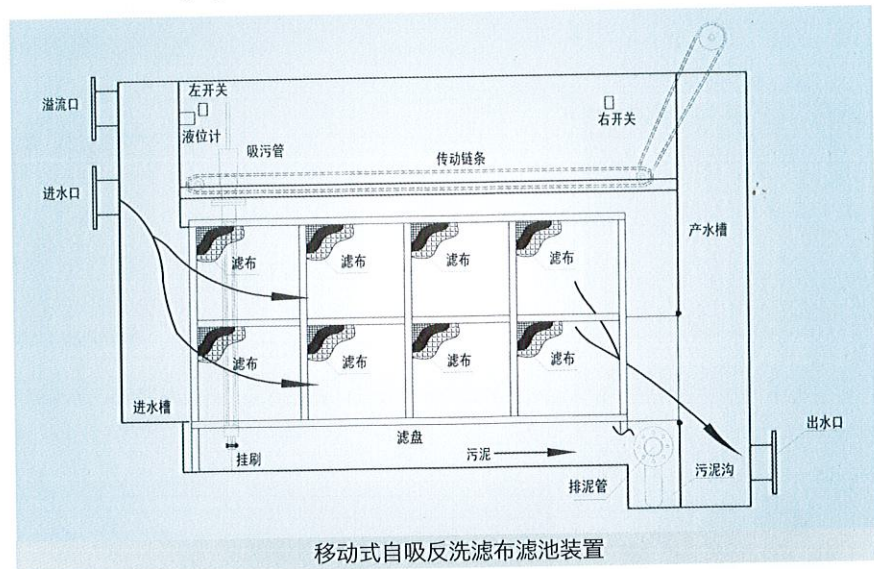
Mobile Self-Sucking Backwash Filter Tank

overflow holes → level gauge ↑ left front switch → suction -type tube → motor chain → right back switch → SINK basin

water inlet → inlet water tank → eight pcs of filtration fabrics → discharge pipe → slurry-trench → drainage outlet



 hanging brush filter discs



Model project case:

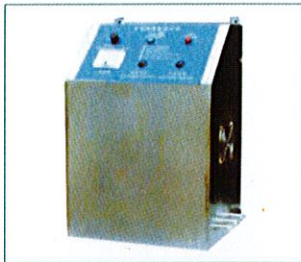
Waste Water Treatment System for self-built thermal power plant installed at Paper-making mill.





Standby parts n Components

Standby Parts And Components



Ozone generator



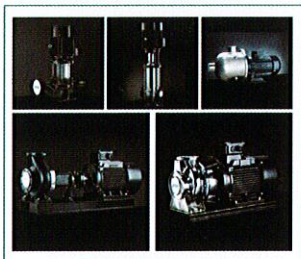
Cartridge filter (Stainless steel)



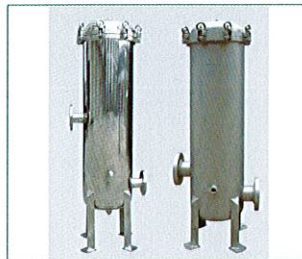
Fiber Reinforced Plastics (FRP)
pressure vessel membrane shell



Grundfos water pump (made in
Denmark)



Pressure pumps of different type



Stainless steel ultra-filter



Satellite level stainless steel water tank



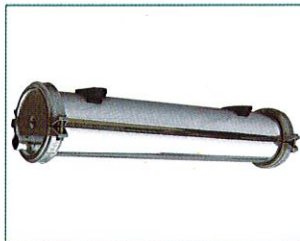
PE water tank



High pressure pumps



MILTONROY metering pump
(made in USA)



Stainless steel pressure vessel
membrane shell



RO Off-line washing device



Filter core



RO membrane



Flow meters



US made Instrument measuring
appliance

Specialized chemicals

Self-Made Water Treatment Chemicals



RO purposed special dosage



anti-scalant, flocculating agent



circulating water specialized chemicals

Imported Water Treatment Chemicals



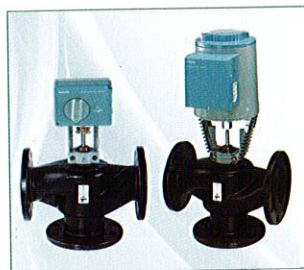
Parts And Components



Online conductivity indicator



US FLECK controlling valves



butter-fly valve



filtration cap/head



acticarbon



quartz sand



manganese green sand

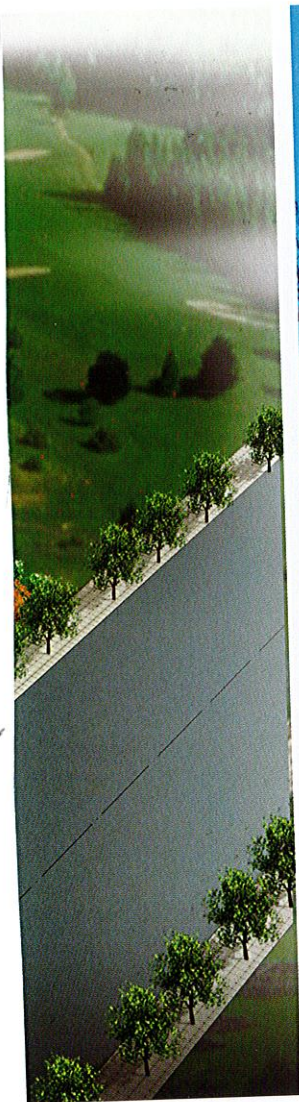


JI'NING LUQUAN WATER PROCESSING CO., LTD.

Production Base



Manufacturing





JI'NING LUQUAN WATER PROCESSING CO., LTD.

Production Base



Manufacturing





JI'NING LUQUAN WATER PROCESSING CO., LTD.

Model Projects site

Henan Construction Site



Project brainstorm for evaluation conference.



Hebei Project Site

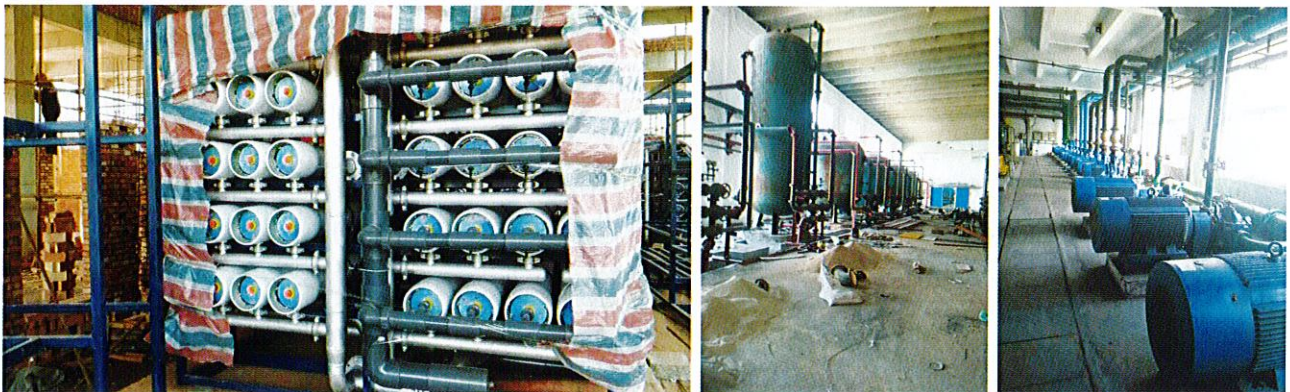


Model Projects site

Inner Mongolia Project Site



Hainan Project Site



Shandong Jinwei Coal-Fired Power Site





JI'NING LUQUAN WATER PROCESSING CO., LTD.

Model Projects site



Dongying Haikou Chemical Construction Site



Hebei Tianyuan Fertilizer Project outlines



Shandong Fulaichun Brewage Alcohol Programs Site



Huating Xinbai Coal - mining (Gansu province) Construction site

Model Projects site



Inner Mongolia Hongyu Pesticide Project Site



He'nan Jiyuan Project Site real photos



Cangzhou Programs Site view



Zibo Huaheng Fertilizer Construction Site



Hebei Zhengyuan Fertilizer Construction Site



Major Successful Case

Model Project Case Of Recent Years

No.	Customer	Application	Design division				
			Pretreat	UF	RO	Exchanger	EDI
1	Hi-tech Spring Chemical Industry Co., Ltd	Boiler water	✓	✓	✓	✓	
2	Dongying Hebang Chemical Co., Ltd.	Boiler water	✓	✓	✓	✓	
3	Dongying Yatong Petrochemical Co., Ltd.	Boiler water	✓	✓	✓	✓	
4	Dongying Xinfu Pharmaceutical Co., Ltd.	Boiler water	✓		✓	✓	✓
5	Shandong Fuhai Group Petrochem. Co., Ltd.	Boiler water	✓	✓	✓	✓	
6	Weifang Shunfuchang Rubber & Plastic Co., Ltd.	Boiler water	✓		✓	✓	
7	Weifang Luli Group Co., Ltd.	Boiler water	✓		✓	✓	
8	Shouguang Carbon Black Co., Ltd.	Boiler water	✓		✓		✓
9	Luoyang HuaChong sing. Crystal Silicon Group	Process water	✓	✓	✓	✓	✓
10	Zhucheng Longguang Thermal Power Co., Ltd.	Boiler water	✓	✓	✓	✓	
11	Inner Mongolia Huabao Chemical Co.,Ltd.	Boiler water	✓	✓	✓	✓	✓
12	1st-stage project for DongYing Shenchu Chemical	Boiler water	✓	✓	✓	✓	
13	Baotou, Inner Mongolia Allah Hu Chem. Co., Ltd.	Boiler water	✓	✓	✓	✓	
14	Shandong Haiyang Thermal Power Co., Ltd.	Boiler water	✓	✓	✓	✓	✓
15	Shandong Baoyuan Thermal Power Co., Ltd.	Boiler water	✓		✓	✓	
16	Shandong Yuanhong Optoelectronics Tech. Co., Ltd.	Process water	✓	✓	✓	✓	✓
17	Shandong Green Chemical Co., Ltd.	Boiler water	✓	✓	✓	✓	
18	Heze Grand Land Dairy Industry Co., Ltd.	Process water	✓		✓	✓	
19	Liangshan Branch, Shandong Linghua MSG Groups	Power Generation Boiler	✓	✓	✓	✓	
20	Thermal Power Plant of Shandong Xinhua Pharma.	Boiler water	✓		✓	✓	✓
21	3rd-stage project of Yanzhou hixih Yinhe Power Co.	Boiler water	✓		✓	✓	
22	3rd-stage project of Cisen Pharmaceutical Co., Ltd.	WFI Water for injection	✓	✓	✓	✓	✓
23	Shandong Tonglu Thermal Power Co., Ltd.	Boiler water	✓	✓	✓	✓	
24	Zhucheng Jin'An Thermal Power Co., Ltd.	Boiler water	✓	✓	✓	✓	✓
25	factory-owned cogeneration power plant of Delisi Groups	Boiler water	✓	✓	✓	✓	
26	Shanghai Baosteel Group Corporation,5th sub-branch	Recycling water	Integrated purification Flocculation Precipitation				✓
27	Shanghai Baosteel Group Corporation,1st sub-branch	Recycling water	Integrated purification Flocculation Precipitation				
28	Qingyatou vill., Yu town,Yangquan city, Shanxi province	Residential use water	Integrated purification Flocculation Precipitation				
29	Shanxi Lucheng Longyuan Coal Refinery Co., Ltd.	Production process water	Integrated purification Flocculation Precipitation				
30	Shandong Sishui Huajin Groups Co., Ltd.	Boiler feedwater	✓	✓	✓	✓	
31	Hebei Wu'an Baohua Ironworks Mfg. Plant	Boiler feedwater	✓		✓	✓	
32	Shandong Haihua Marinechem. Group Co., Ltd.	Process water	✓	✓	✓	✓	
33	Shandong Jv Town Thermal Power Plant	Boiler water	✓		✓	✓	
34	Jv town Haoyu Thermal Power Plant	Boiler water	✓		✓	✓	
35	Shandong Lukang Pharma. Heze Sub-factory	Process water	✓	✓	✓	✓	✓
36	Shandong Yanzhou Yijian Pharmaceutical Factory	Process water	✓	✓	✓		✓
37	Sichuan Chengdu Chengfa Group Co., Ltd.	Boiler water	✓	✓	✓	✓	✓
38	Yantai Zhaoyuan Xingta Food Corp.	Production process water	✓	✓	✓	✓	✓
39	Lianyungang (Jiangsu) Baofeng Electronics Co., Ltd.	Electronics Process water	✓		✓	✓	✓
40	Xuzhou Dawa Chemical Group	Bio. Process water	✓	✓	✓	✓	✓
41	Shijiazhuang Keda Groups Co., Ltd.	Process water	✓	✓	✓	✓	
42	Hebei Fengfeng Thermal Power Co., Ltd.	Boiler feedwater	✓		✓		
43	Inner Mongolia Hengtai Chemical Co., Ltd.	Boiler feedwater	✓	✓	✓	✓	✓

Major Successful Case

44	Inner Mongolia Wuhai Coal Group Co., Ltd.	Residential water	✓	✓	✓		
45	Ningxia Yinchuan Double-Nine Beer Co., Ltd.	Water for glycosylation	✓	✓	✓		✓
46	self-owned cogeneration power plant of Shanxian Textile	Boiler water	✓		✓	✓	
47	Shanxi Yangquan Yueshu Paper-making Power Plant	Boiler feedwater	✓		✓	✓	
48	Shanxi Taiyuan Xishan Thermal Power Plant	Boiler feedwater	✓		✓	✓	
49	2nd-stage project for Shanxi Taiyuan Xishan Power	Boiler feedwater	✓	✓	✓	✓	
50	Shanxi Zuoquan Thermal Power Co., Ltd.	Boiler feedwater	✓	✓	✓	✓	
51	Inner Mongolia Tongliao 2nd. Power Generation Plant	Boiler feedwater	✓		✓	✓	
52	Shandong Zoucheng Honghe Bio Sunkeen Co., Ltd.	Workshop process water	✓	✓	✓	✓	✓
53	Inner Mongolia Hongyu Tech. Joint Stock Corp.	Boiler water	✓		✓	✓	
54	2nd-stage project for Dongying Huatai Group Co., Ltd.	Boiler feedwater	✓	✓	✓	✓	
55	Shandong Best Chemical Thermal Power Co., Ltd.	Boiler feedwater	✓		✓	✓	
56	Shandong Yongfeng Tyre Co., Ltd.	Boiler feedwater	✓		✓	✓	
57	Shandong Jiefuyi Zhenxing Chemical Co., Ltd.	Boiler feedwater	✓	✓	✓	✓	✓
58	Shandong Yikang Pharmaceutical Stocks Corp.	Process water		✓	✓	✓	✓
59	Qufu Xiangzhou Stevia Extracting Co., Ltd.	Process water	✓		✓	✓	✓
60	Ji'ning JINWEI Coal-fired Power Plant Co., Ltd.	Boiler feedwater	✓		✓	✓	
61	Xinjiang Zhongtai Chemical Co., Ltd.	Reclaimed water Sys.	✓	✓	✓		✓
62	Alashan Coal - mining Co., Ltd.	Coal mining water reuse	✓	✓	✓		✓
63	Shaaxi Futai Coal Industry Co., Ltd.	Boiler feedwater	✓	✓	✓		✓
64	Inner Mongolia Chifeng West Coal Mining Industry Co.	Daily Waste water	Buried sewage treatment integrated equipment				
65	Ji'ning Weishan Hangyu Marine Vessel Co., Ltd.	Daily Waste water	Buried sewage treatment integrated equipment				
66	Linkuang Group (Wulatezuo Qi) Coal Co., Ltd.	Water Reuse	✓	✓	✓		✓
67	Yankuang Group (Xinjiang) Shihezi Power Plant	Daily Waste water	Buried sewage treatment integrated equipment				
68	Hebei Tianyuan Chemical Group Corp.	Underground water	✓	✓		✓	
69	Hainan East Desen Energy Co., Ltd.	groundwater	✓	✓	✓	✓	
70	Shandong Weifang Coal Gasification Group Co., Ltd.	Underground water	✓	✓	✓		✓
71	Henan Jiuyan Gold Horse Coal Refinery Co., Ltd.	Surface water	✓	✓	✓		
72	Liaocheng Senquan Thermal Power Co., Ltd.	groundwater	✓	✓			✓
73	Fulaicun Jvixian Biochemical Co., Ltd.	Boiler feedwater	✓	✓			✓
74	Dongying Fuyu Coal refinery Co., Ltd.	Boiler feedwater process water	✓	✓		✓	
75	Hebei Zhengyuan Fertilizer Manufacturing Co., Ltd.	Boiler feedwater	✓	✓			✓
76	Inner Mongolia Tongliao Yellow River Bio-engineering Co.	Power plant Boiler feedwater	✓	✓			✓
77	Gausu Huating Xinbai Coal Industry Co., Ltd.	Boiler feedwater	✓	✓			
78	Zibo Feiyuan Chemical Co., Ltd.	Boiler feedwater	✓	✓			✓
79	Shandong Rongxin Coal Refinery Co., Ltd.	Boiler feedwater		✓			
80	Zibo Xintai Petroleum Chem. Co., Ltd.	Boiler feedwater	✓	✓			✓
81	Jiaozuo Henan Thermal Power 1st phase project	Boiler feedwater	✓	✓		✓	
82	Shandong Shanxian Guangshun Thermal Power Co., Ltd.	Boiler feedwater	✓	✓			✓
83	Shouguang Lulee Woodwork Co., Ltd.	Boiler feedwater	✓	✓	✓		
84	Qingdao Marine Chemical Co., Ltd.	Process water	✓				
85	Zibo Huaheng Industry Co., Ltd.	Boiler feedwater	✓	✓	✓		✓
86	Dongming Qianhai Thermal Power Co., Ltd.	Boiler feedwater	✓				
87	Jiaozuo Gaoxin Thermal Power 2nd phase project	Boiler feedwater	✓	✓		✓	
88	Shandong Huasheng Rubber Co., Ltd.	Process water	✓	✓			✓



JINING LUQUAN WATER PROCESSING CO.,LTD.

Address: No 24, Jinchun Building, Wutaizha East Road,
Jining City, Shandong

Contacts : Mr Ma

Email: luquanwater@126.com

Tel/WhatsApp: 0086-18660722657

