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Tel :+62 813 8087 4469 | Email : PT.Jinluowaterindonesia@jinluowater.com



Website: www.jinluowater.com



32,000+

Employees

9,000+

Distributors

18,000+

Retailers

\$9.0Bn

Annual Turnover

200+

Branches



JINLUO GROUP PROFILE

JINLUO WATER PROFILE

Jinluo Water, founded in 1995 in P.R. China, is a large international water company equipped with proprietary intellectual property rights and ample financial resources. Our extensive expertise lies in provision of efficient, effective and reliable water solutions including engineering & design, manufacturing, construction, testing & commissioning, operation and maintenance of water and wastewater treatment infrastructures.

Jinluo Water has 2 overseas Headquarters, 1 Branch office and 14 representative offices. Totally operating over 200 projects, with the sum of more than 550,000 cubic meter per day in operation.

JINLUO WATER is committed to offering creative solutions that will stand the test of time; solutions that transform the urban landscape and improve living conditions for people around the world.



20+ PATENTS & CERTIFICATIONS

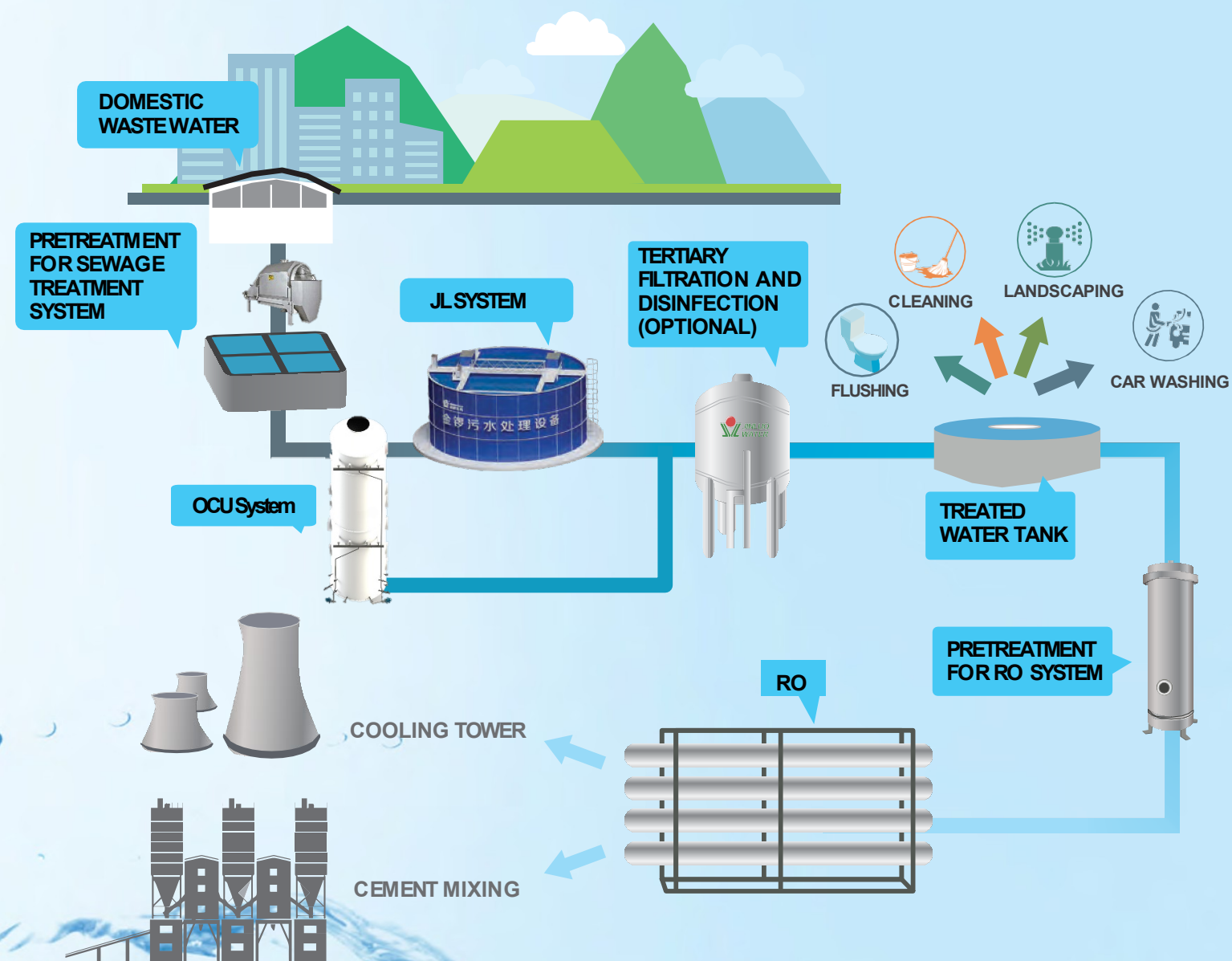
OVER 61+ COUNTRY



01

DOMESTIC WASTE WATER TREATMENT SOLUTION

1.1 Application Scenarios





1.2 Products

JL SERIES INTRODUCTION

- Major advantages of JL series: less footprint, quick installation, lower power consumption, less sludge production, less investment in pipeline connection, environment friendly with odorless and low noise pollution.
- All supporting pumps, blowers and grilles are made of precision manufacturing equipment with low noise. The tanks are made of enamel steel or stainless steel and have a service life of up to 30 years.

JL SERIES PARAMETER LIST					
No.	Type	Capacity	Size	Footprint	Operating power/tons
1	JL-300	300m³/day	Φ8400×6600 mm	85m²	0.5-0.7KW· h/m³
2	JL-600	600m³/day	Φ11270×6600 mm	140m²	0.5-0.7KW· h/m³
3	JL-1000	1000m³/day	Φ15280×6600 mm	235m²	0.5-0.7KW· h/m³
4	JL-2000	2000m³/day	Φ19100×6600 mm	350m²	0.5-0.7KW· h/m³
5	JL-4000	4000m³/day	Φ25970×6600 mm	615m²	0.5-0.7KW· h/m³
6	JL-10000	10000m³/day	Φ46000×6600 mm	1810m²	0.5-0.7KW· h/m³

- * The above size and operating power is only for reference. The actual data will be based on specific projects
- * Our production can be customized according to customer's requirements



JL-MMY Series Odor Control Systems

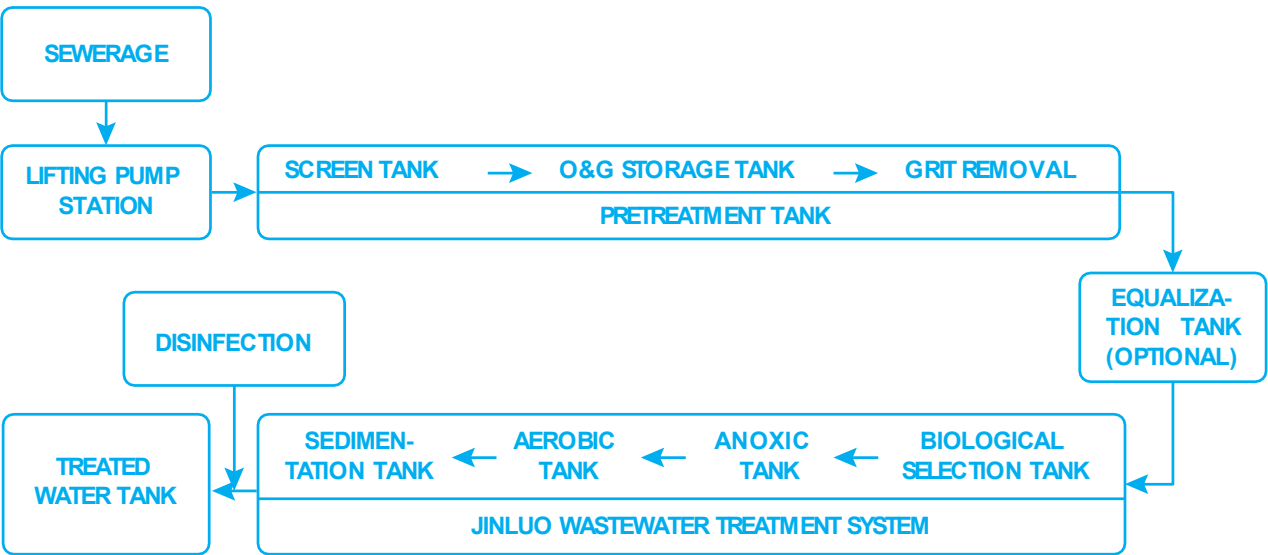
Jinluo MMY Series OCU line of products combines the best practices related to treatment of foul gases resulting from the treatment of sewage wastewater. As it is known, our patented biological treatment technology does not emit any foul odors, yet the pretreatment of wastewater and mechanical treatment might result in Hydrogen Sulfide (H₂S) and certain Mercaptans emissions. Jinluo JL-MMY Series OCUs guarantees 99.8% effectiveness in treatment of foul odors

JINLUO MMY SERIES PARAMETER LIST		
Type	MMY-B	MMY-C
	BioTrickling Filter System	Activated Carbon Filter
Quality	Foul Gases Domestic Sewage	
Capacity (Nm³/hr)	500-150,000	50-2000
Technology	Purely Biological Treatment / Activated Carbon Absorbance	
Installation Method	Above Ground	
Material	FRB/Steel	

1.3 Advantages



1.4 Treatment Process



The domestic sewage collected by the network/truck is lifted to the pretreatment tank through the lifting pump station. A fully automatic bar screen is installed in pretreatment tank, and the sewage passes through the O&G tank, then the Grit Removal to retain solids waste in the influent as well as remove the oil. The equalization tank adjusts the water quality and quantity, and then lifts the sewage to the Jinluo wastewater treatment system, and then the sewage passes through the biological selection tank, anoxic tank, aerobic tank and sedimentation tank. After these processes, the concentration of pollutants is greatly reduced, and one disinfection equipment is installed at the water effluent pass. After disinfection, the parameters of the effluent reach the designed standard, and finally enter the treated water tank for storage.

02

INDUSTRIAL WASTE WATER TREATMENT SOLUTION

JINLUO WATER

2.1 Application Scenarios



ABATTOIRS



BEVERAGES FACTORY



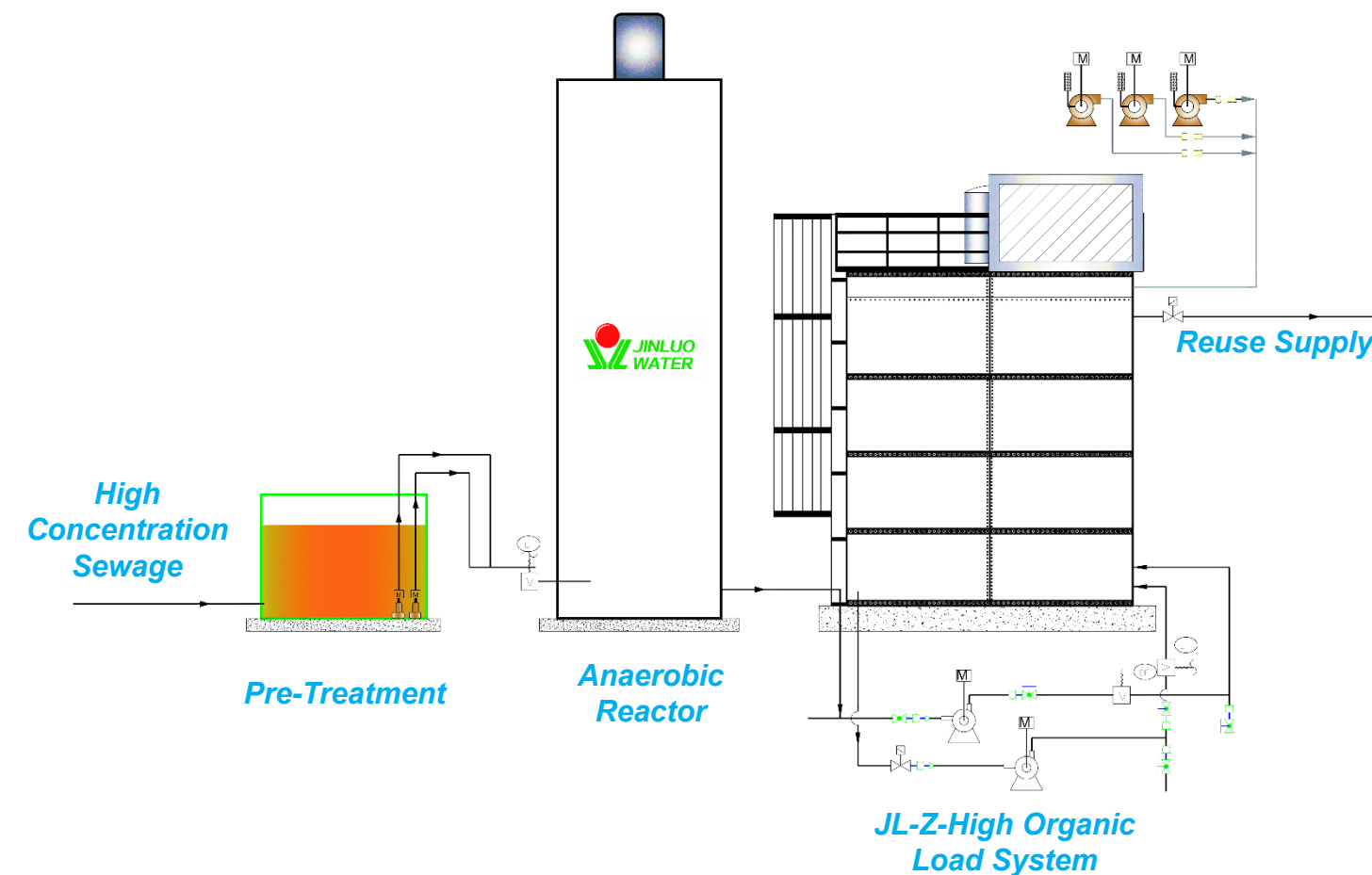
FOOD FACTORY



CATERING FACTORIES



Flow Chart



JINLUO WATER ANAEROBIC HIGH ORGANIC WASTE WATER TREATMENT SYSTEM

- Jinluo group developed major innovative patents related to the treatment of heavily polluted wastewater resulting from industries such (Food processing, slaughterhouses, food processing..etc.)
- The system which was developed and validated by our team of experts can handle the treatment of high COD/BOD/AMMONIA wastewater by employing a fully biological system throughout steps of Anaerobic Treatment followed by a Conventional SPRAS-Activated Sludge System achieving highest possible standards for industrial treated effluent.

Parameters	Reference Index
BOD	<6000mg/L
COD	<20000mg/L
NH3N	<300mg/L
Total Nitrogen	<400mg/L
TSS	<10000mg/L
Total Phosphorus	<200mg/L

* The above size and operating power is only for reference. The actual data will be based on specific projects

* Our production can be customized according to customer's requirements

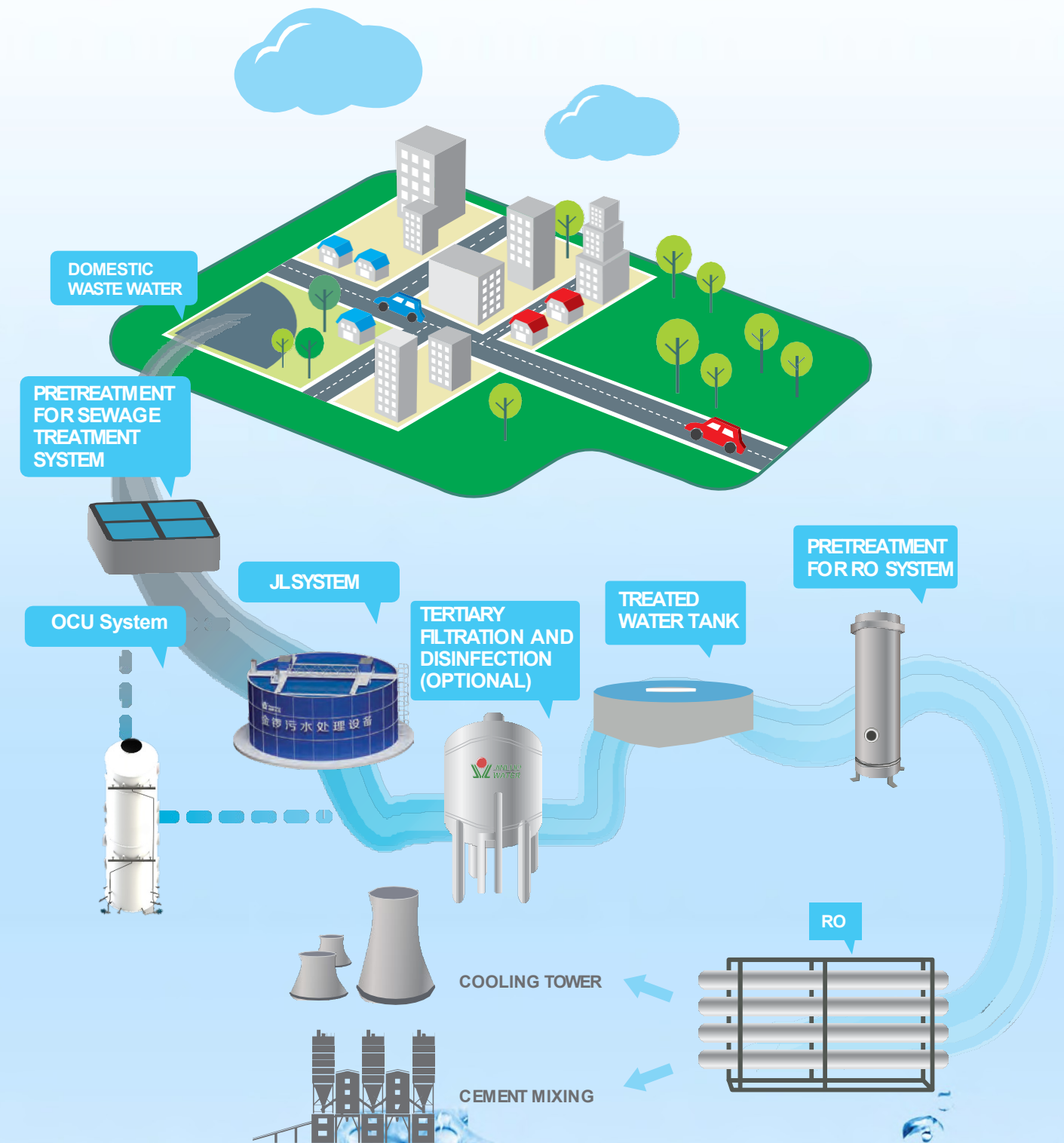
Name	Jinluo Anaerobic System
Capacity	100m³/d-5000m³/d
Technology	Sludge Reduction + Anaerobic Reactor
Main Tank Material	Stainless Steel
Height	13.5m
Installation	Above Ground
Service life	More than 30 years
Advantage	Fast construction period, Integrated, High degree of automation

03

RO TREATMENT SOLUTION

3.1 Application Scenarios

- Tertiary Treated Sewage Effluent Reuse
- Cement Factory
- Ready-mix & Block Manufacturing
- District Cooling
- Construction Sites



3.2 Product

Jinluo Water offers flexible customized residential and commercial RO/UF systems to be used as an advanced treatment stage for Sewage Treatment Plant. Reverse Osmosis system designed for demineralization of water, the system is a compact, functionally complete module. Equipment system, instrumentation, piping, regulating valves are mounted on metal frame.

3.3 Advantages

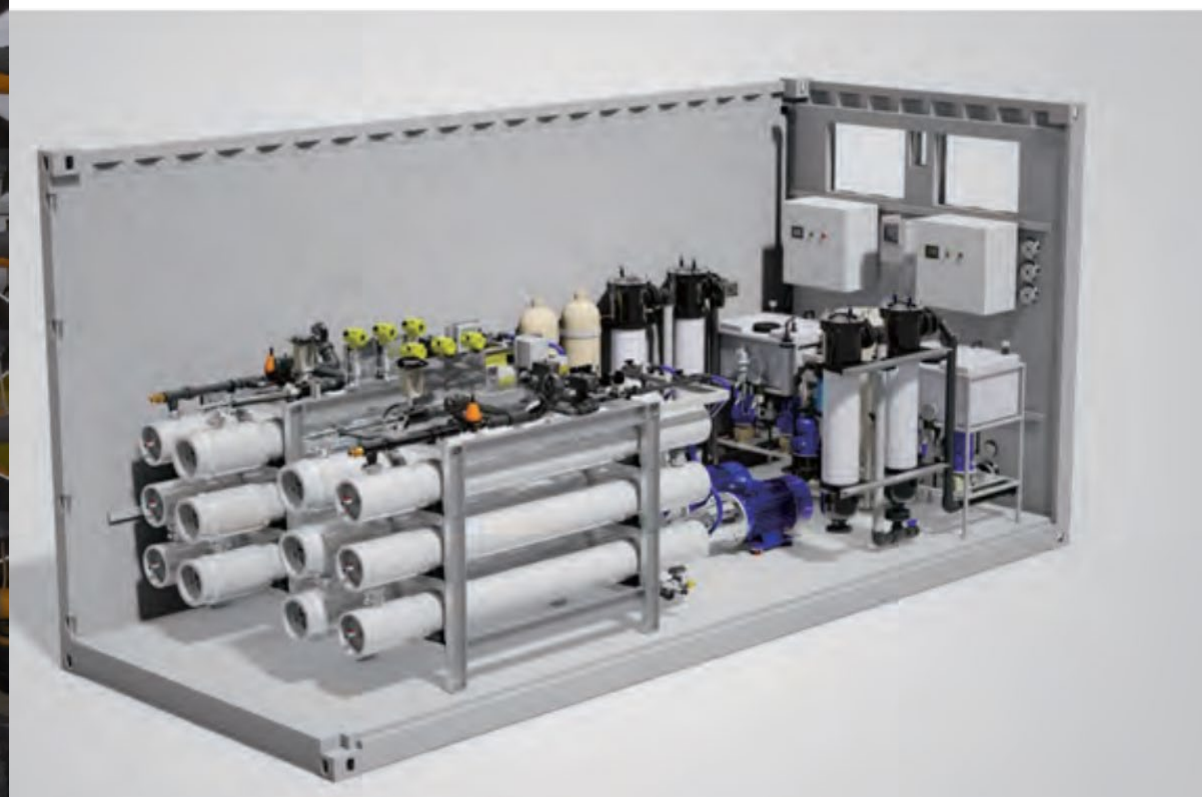
- RO performs a separation without a phase change. Thus, the energy requirements are low.
- RO systems are compact, and space requirements are less than with other desalting systems, e.g. distillation.
- RO equipment is standardized - pumps, motors, valves, flowmeters, pressure gages, etc. Thus, the learning curve for unskilled labor is short.
- RO systems are fully automated and designed to start-up and shutdown automatically through interlocks. Thus, RO plants usually require little labor.
- Due to their modular design, maintenance is easy. Scheduled Maintenance can be performed without shutting down the entire plant.
- The modular design also makes expansion an easy option.





3.4 RO Products

Model & Scenarios Series



Solution A: Fixed installation RO system for high quality and huge volume treatment.

Solution B: Containerized & Modularized System for mobile and flexible treatment requirement.

4.1 River & Lake RO Products Series

Type of domestic treatment :

JLRO SERIES PARAMETER LIST				
No.	Type	Capacity	Size(m)	Power Consumption
1	JLRO 300	300m³/day	12*2.35*2.38	2.94KWH/m³
2	JLRO 600	700m³/day	24*4.7*2.38	2.85KWH/m³
3	JLRO 900	1000m³/day	36*7.05*2.38	2.8KWH/m³

INFLUENT TDS 1000mg/L; Effluent TDS 300mg/L

- * The above size and operating power is only for reference. The actual data will be based on specific projects
- * Our production can be customized according to customer's requirements

3.1 Application Scenarios



4.2 Product

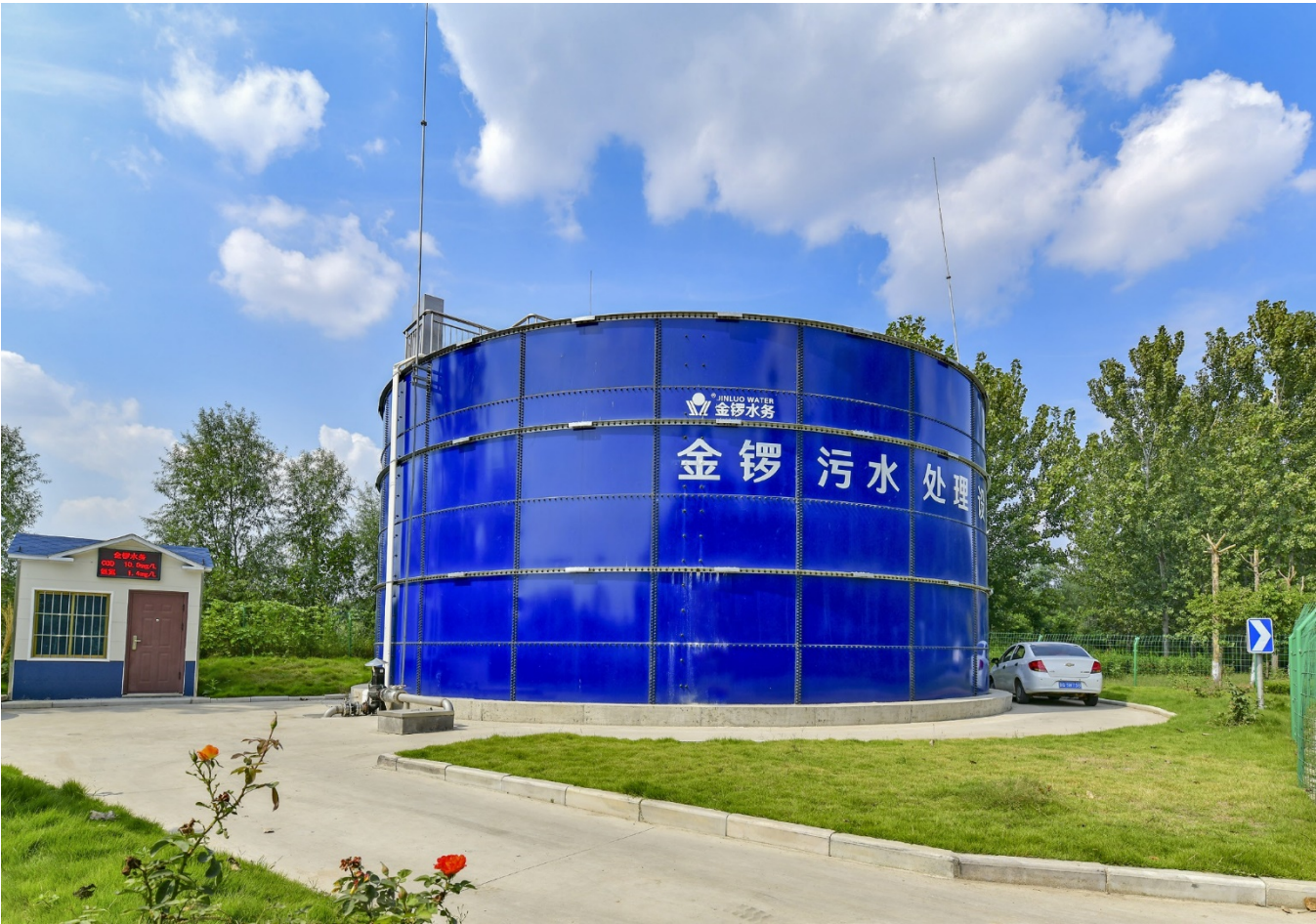
Cyclone-Coagulation, Low-Pulse Precipitation and Algae Inhibition in drinking water purification technology, is a kind of enhanced coagulation and sedimentation process at the same time the new technology, involving mixing coagulation treatment, flocculation and sedimentation unit, which has the function of rapid, severe hybrid multi-stage vortex tube mixer; suitable for turbulent flow gradient and can increase the quantity of micro vortex coagulation (for vortex flow) characteristics.



4.3 Advantages

- 01 Improvements on the effect of flocculation; through the vortex coagulation enhanced coagulation;
- 02 Improves filtering effect by using low pulsating sedimentation, which reduces the water turbidity;
- 03 This advanced treatment technology eliminates the necessity to add agents to inhibit algae;
- 04 High processing efficiency, good water quality, reducing investment, low cost of water;
- 05 Reduction in projects footprint, saving capital investment, keeping the cost of water production low, making it easy to manage plant etc.

4.4 River Water Treatment Effect



05

SUCCESSFUL CASE STUDIES

Liuqing River Sewage Treatment Plant

Liuqing River Sewage Treatment Plant in Linyi City is located in Lanshan District. The influent water is domestic sewage and some industrial wastewater. It serves 100,000 people. The supporting pipe network is 85.59 kilometers. The sewage collection rate reaches more than 95%. The total design and treatment scale of the project is 40,000 tons per day, which is an important project to guarantee the water quality of Liuqing River and Linyi Central District.

100,000

Serves people

85.59 /kilometers

The supporting pipe network

>95%

The sewage collection rate reaches

40,000 tons/day

*The total design and treatment
scale of the project*

Lotus Pond 10000m³/day Waste Water Treatment Project

The project installed COD, NH₃-N, TP online automatic monitoring equipment, improved online monitoring system and video surveillance system, and networked with three levels of environmental protection and construction departments in provinces and urban areas respectively, to ensure the stable operation of sewage treatment plants and meet the discharge standards.

The project adopts the sludge reduction treatment technology independently developed by the company and carries out microbial metabolism through various ways, so as to maximize the advantages of sludge reduction. Since the operation of the project, the treatment effect is obvious, and the effluent is stable to achieve the first A emission standard.





Liguan 1000m³/day Waste Water Treatment Project

Yiheyuan Community Sewage Treatment Project located in Liguan Town, Lanshan District, Linyi City, the community has more than 7000 population. The designed scale is 1000 m³/day, footprint is 350m².



Shating 300m³/day Waste Water Treatment Project

Shating Community has more than 3000 population. The design scale is 300 m³/day, footprint is area 120 m². The sewage resource from household sewage. After disinfection, the effluent is used for greening irrigation, road flushing and supplementing river water in the community.





Linshu County Sewage Treatment Plant (STP)

Linshu County Sewage Treatment Plant (STP) was built in 2005 with a design capacity of 20,000 m³/day, serving a population of more than 50,000 people and 20 enterprises. It is connected to a piping network of 24.2 kilometers and plays a critical role in Niutuigou Watershed Sewage Treatment and Reclamation Project.

The plant uses the Jinluo Water's Patented SPRAS sludge reduction technology and treated effluent meets China's Class I A sewage discharge standard (as per Urban Sewage Treatment Plant Pollutant Discharge Standard GB 18918-2002), meanwhile Waste Activated Sludge (WAS) is 90% less than that of a conventional sewage treatment plant.

Without any increase in power consumption, SPRAS improves the plant's treatment efficiency, waste sludge reduction rate and adaptability to inlet fluctuations. This innovative technology proposes a brand new solution to WAS challenge that has been faced by millions worldwide.



Jinluo Garden Sewage Treatment Project

Jinluo garden sewage treatment project was built in 2011, there are now 1008 families in the district with a population over 3500. Sewage mainly comes from households and staff leisure centre. The project has a design capacity of 400m³/day including two Sewage Treatment Package Plants.

No organic Waste Activated Sludge (WAS) was discharged to date. Effluent complies China's sewage discharge standards (The Reuse of Urban Recycling Water - Water Quality Standard for Urban Miscellaneous Water Consumption (GB/T 18920-2002)).

Treated water is used to irrigate greeneries, clean streets and flush toilets. The project was awarded the National Key Practical Environmental Protection Technology Demo Project in 2012.

Lin'an City Sewage Treatment Plant (STP)

Lin'an City Sewage Treatment Plant (STP) is located in the upper reaches of the Taihu River Basin and Qingshan Reservoir, which is water source of Hangzhou City. The Plant has a design capacity of 60,000 m³/day; treated effluent meets China's sewage discharge standards Class IB (as per Urban Sewage Treatment Plant Pollutant Discharge Standard GB 18918-2002).

The plant's Sludge Reduction Module is located in the northeast corner of the site. This module is installed to reduce Waste Activated Sludge (WAS) by 60% and improve systematic adaptability to inlet fluctuation.

Meanwhile the project enhances Denitrifying Phosphorus Removal System; increases internally generated carbon source of biological treatment, breaking the rule of adding external carbon source to reduce effluent's Total Nitrogen (TN). So as to avoid secondary pollution, greatly reduces the operational cost of sewage treatment.

Designing and installing 3 sets of SPRAS Sludge Reduction Modules, including sludge reduction tank, equipment, supporting piping system and valves, automatic meter engineering and electric al engineering, etc.;

Transforming existing grit settling tanks and inlet distribution tanks, changing inlet water level to match subsequent Sludge Reduction Tank's elevation requirements;

Altering piping system between grit settling tank and inlet distribution tank, adding sludge discharging pipes to Oxidation Ditch System;

Adding Nitrification and Denitrification system to improve nitrogen and phosphorus removal rates; adding two anoxic tanks, meanwhile adding sludge reflux system and mixed liquid reflux system.

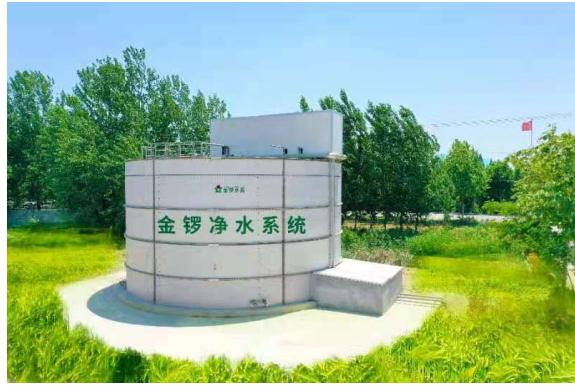
The upgrade project has been completed in 2013. The plant now produces stable effluent. During 2014, its average effluent quality is stated below: COD_{Cr}= 30.6 mg /l, BOD₅= 10.8 mg /l, SS=10mg /l, TP=0.97 mg /l, TN= 12.6 mg /l, NH₃-N=1.30mg/l, Waste Activated Sludge (WAS) Reduction Rate= 72%.



The People's Square Project in Linyi City

Located in the northwest corner of the People's Square, this project has a design capacity of 150m³/day. Inlet comes from sewage pipe network west of the Square. After treatment, effluent is used for flushing toilets and irrigating nearby greeneries. The project also includes a 40m³ storage pond, where excessive effluent is stored and used for multiple purposes covering greater areas.

ALBUM OF RECENTLY EXECUTED PROJECTS IN THE DOMESTIC MARKET OF CHINA



ZaoYuan Town 600m³



Yongtai River Bancheng Town 4000m³



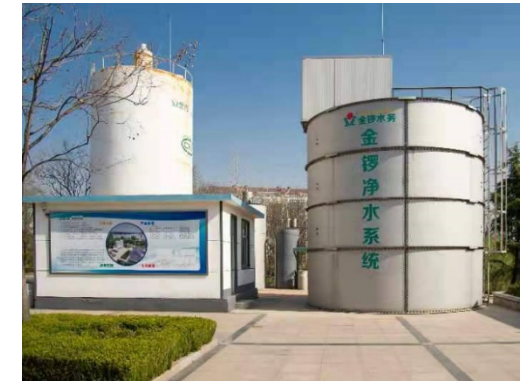
Lotus Hill 450m³



Community Bancheng Town 800m³



Liuyu 150 m³



Jinluo Garden Bancheng Town 200m³



Yunnan Province Xiaozhehei 200m³



LinYi South Airport 10000m³



Shating 800m³



QingYi Community 150 m³



Yiheyuan Ligan Town 1000 m³



Xichahe 300 m³



Juanli YiTang 450m³



Yaojiazhai 150m³



Xiangyang River 600m³



YiTang Town 4500 m³



Zhengcheng School County 150m³



Xiaochaoyi 300m³



Linyi city First Senior School 600m³



Cai River YiTang Town 4000m³



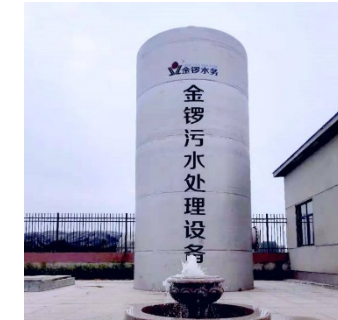
XiangYang Community 600 m³



Nantusu YiTang Town 4500 m³



Moyuzi 150m³



Dahebu 150 m³



Lotus Pond 10000m³ Project

Dubai-Desert Safari Camp STP Project



Project Commissioning: December 2016
Model Type: Horizontal Type (JM100-W)
Capacity: 150m³ /day
Business Model: Renting



Abu Dhabi - Masdar City Project

Project Commissioning: June 2017
Model Type: Horizontal Type (JM70-W)
Capacity: 70m³ /day
Business Model: EPC



DUBAI – DIC LABOR CAMP PROJECT

Sewage Source: Domestic Wastewater

Model Type: Integrated Type (JL-Z-Series)

STP Capacity: 5500 m³/day

RO Capacity: 6800 m³/day



SHARJAH – 06 Shopping Mall



Project Commissioning: December 2018

Model Type: Horizontal Type (JL-Z-200)

Capacity: 200 m³ / day

Business Model: BOT



KENYA/Nairobi Kiambu County Residential Sewage.



Project Commissioning: November 2019
Model Type: Vertical Type (JL-Z-200)
Capacity: 200 m³ /day
Business Model: BOT





Saudi Arabia - Jeddah Palace Project

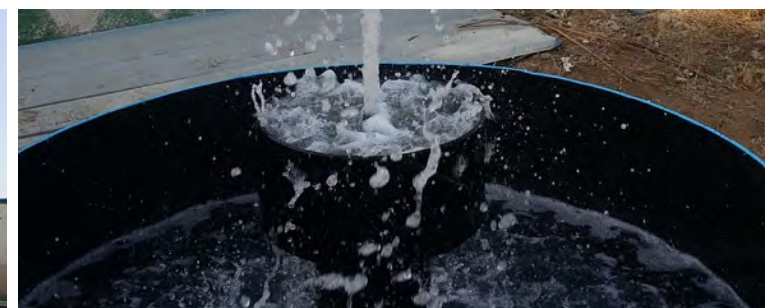
Project Commissioning: April 2015

Model Type: Horizontal Type (JM100-W)

Capacity: 300m³ / day

Business Model: EPC

Treated Water: Reuse for Irrigation and Car Washing



Saudi Arabia - Jeddah Balad STP Project

Project Commissioning: January 2015

Model Type: Horizontal Type (JM100-W)

Capacity: 150m³ / day

Business Model: EPC



Saudi Arabia - Dammam Apartments Project

Project Commissioning: January 2017
Model Type: Horizontal Type (JM100-W)
Capacity: 150m³ /day
Business Model: EPC





Bahrain - Askar STP Project

Project Commissioning: October 2016
Model Type: Horizontal Type (JM100-W)
Capacity: 150m³ /day



Egypt– National Defense Ministry Project

Sewage Source: Domestic Waste Water
Capacity: 150 m³/day
Model Type: JM100-W Horizontal Type
Project Commissioning: November 2017



South Africa - Cradock Project

Project Commissioning: October 2016
Model Type: Horizontal Type (JM100-W)
Capacity: 150m³ / day
Business Model: EPC



South Africa - Sunday River STP Project

Project Commissioning: January 2016
Model Type: Horizontal Type (JM100-W)
Capacity: 300m³ / day
Business Model: BOT
Treated Water: Reuse for Irrigation



South Africa - Glen Wastewater Treatment Plant Project

Project Commissioning: October 2017
Model Type: Horizontal Type (JM100-W)
Capacity: 450m³ / day
Business Model: EPC



Ethiopia - Community STP Project

Project Commissioning: January 2017

Model Type: Vertical Type (JM100-L)

Capacity: 150m³ / day

Treated Water: Reuse for Irrigation



Indonesia - Jakarta International Expo STP Project



Five Water Systems Engineering Subcontracting in Refinery of Agadem Oilfield Integration Project in Niger

A landmark project of friendship and cooperation between China and Nepal 1 million tons/ year water treatment system package for crude oil refineries,including

- 300m³/h RO plant by Jinluo Water
- 9000m³/h Fire pressure pumping station of circulating Water Yard
- (180+50) m³/h Chemical water station
- (150+30) m³/h Sewage plant by Jinluo Water
- 150m³/h Water reuse



Malaysia - Indah Water STP Project

Project Commissioning: April 2015
Model Type: Horizontal Type (JM100-W)
Capacity: 150m³ /day

Pakistan Water Treatment System + Cooling Water System

Project Overview:

The water treatment system and cooling water system is served Pakistan Oil and Gas Development Company (OGDCL) oil and gas construction projects, the project processing natural gas capacity is 250MMSCFD (million standard cubic feet).

Project size:

80m³/h +880 m³/h

Process:

Manganese sand filter + dual media filter + RO mechanical draft cooling tower + circulating pump + dosing device + next filter

Project Features:

Skid for easy transport

Provide domestic water, cooling water, water for the overall solution deaminase.



Shanxi Lu'an 160000t/year Desalted Water System of Coal-based Synthetic Demonstration Project

Description:

Coal-based synthetic demonstration project is a big innovation in the coal-chemical field and is the No.1 project in Shanxi province in 2008.

Scale:

900m³/h

Process:

Filter→ Self-filter→ UF→ RO→ MB

Characteristic:

Large scale desalted water system

High recovery more than 90% of RO equipment

TECHNOLOGY APPROVALS AND CERTIFICATIONS

OCCUPATIONAL HEALTH & SAFETY MANAGEMENT & ISO14001:2015 & ISO9001:2015 CERTIFICATION



Date: 2017/01/24
Ref: 11/146/2017

APPROVAL CERTIFICATE FOR JINLUO WATER

Sharjah Municipality (SM) has reviewed the technical submittal from JINLUO WATER. They have patented a technology (SPRAS) Sludge Process Reduction Activated Sludge which reduces the waste Sludge quantity significantly & reduces the impact load of influent pollutants.

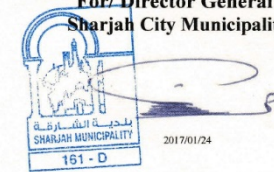
SM representatives has visited a number of big & smaller package STPS of JINLUO WATER to assess the performance of the STP. It is judged that all the operational sewage treatments plants were performing well, producing high quality of treated effluent confirming the standard requirement for irrigation & other potable uses.

JINLUO WATER sewage Treatment System was found energy efficient, steady in operation, least foot print, and low operation cost with reduced total treatment expenses. The working STPs with SPRAS technology are producing extremely low waste activated sludge (WAS) in compare to other conventional process.

It is assessed that their SPRAS technology can be easily combined with activated sludge process & its modified processes (SBR, AO AAO) to get considerable sludge reduction. In combination of different JINLUO WATER STPs module the Biological nitrogen & chemical phosphorus removal can be achieved.

Based on the above mentioned features & advantages it is evaluated that JINLUO WATER proposed technology is suitable for bigger & smaller package STPs execution. Therefore Sharjah Municipality here by approves JINLUO WATER as an approved contractor to undertake sewage treatment plant projects within the Emirates of Sharjah.

For/Director General
Sharjah City Municipality



رؤيتنا مدينة عصرية تتمتع بخدمات نوعية مستدامة تجعلها أكثر جاذبية.

هاتف: ٢٢ ٢٢٢٢ ٥١٦ ٠٠٠ - فاكس: ٢٢ ٢٢٢٢ ٥١٦ ٠٠٠ - بريد إلكتروني: info@shjmun.gov.ae
www.shjmun.gov.ae

ISO45001



OCCUPATIONAL HEALTH AND SAFETY
MANAGEMENT SYSTEM CERTIFICATE

Certificate No.: 04618S11164R0S

We hereby certify that the organization:
Jinluo Water Co., Ltd.

Unified social credit code: 91371300782306337R

is in conformity with Occupational Health Safety Management
System Standard: GB/T45001-2020 / ISO45001:2018

The certificate is valid to the following product(s)/service:
**Sale and Related Management Activities of Integrated
Sewage Treatment Equipment Water Reuse Equipment**

Registration Address: Bancheng Town, Lanshan District, Linyi City, Shandong
Province, P. R. China

Physical Address: Jinluo Science and Technology Park, Bancheng Town, Lanshan
District, Linyi City, Shandong Province, P. R. China (Sale/Office Address)

Date of Issue: 2018-07-26
Date of Reissue: 2020-08-10
Date of Expiry: 2021-07-25

Issued By



The effectiveness of the Certificate is subject to QR Code in the lower left corner. Meanwhile, you can search the website of certification body: www.hicchina.com.cn, or search the CNCA website: www.cnca.gov.cn.

Beijing Head International Certification Co., Ltd.

Address: Room 1601, Building 5, No. 19, Beiyuan East Road, Chaoyang District, Beijing, P. R. China (100012)



质量管理体系认证证书
Quality management system certification

证书编号: 00118Q311231R1M/3700

Certificate No

兹证明 to certify

金锣水务有限公司 JINLUO Water Co., Ltd

Unified social credit code 统一社会信用代码: 91371300782306337R

中国山东省临沂市兰山区半程镇驻地
Bancheng Town, Lanshan District, Linyi City, Shandong Province, China

建立的质量管理体系符合标准:
The established quality management system meets the standard:
GB/T 19001-2016 / ISO 9001:2015

通过认证范围如下:
The scope of certification is as follows:
一体化污水处理设备 (泥水分离装置、气水分离装置、反应罐、设备间) 的生产
Production of integrated sewage treatment equipment (mud water separation device, gas water separation device, reaction tank, equipment room)

Date of first issue: 2/11/2005 Date of issue: 29/10/2018 Valid until: 1/11/2021

首次发证日期: 2015年11月2日 本次发证日期: 2018年10月29日 有效期至: 2021年11月1日

在一个监督周期后, 本证书必须与CNCA签发的监督审核合格通知书合用方可有效。查询证书有效状态请登录 www.cqc.com.cn 上查询
After a supervision cycle, this certificate must be combined with the supervision and audit qualification notice issued by CQC to be valid. To query the valid status of the certificate, please log in www.cqc.com.cn

The information of this certificate can be found on the official website of China Certification and Accreditation Administration (www.cnca.com.cn)



China Quality Certification Center
中国质量认证中心

中国·北京·南四环西路188号9A 100070
http://www.cqc.com.cn

Q 0129008

2015年版



ENVIRONMENTAL MANAGEMENT
SYSTEM CERTIFICATE

Certificate No.: 04618E11289R0S

We hereby certify that the organization:
Jinluo Water Co., Ltd.

Unified social credit code: 91371300782306337R

is in conformity with Environmental Management System Standard:
GB/T24001-2016 / ISO14001:2015

The certificate is valid to the following product(s)/service:
**Sale and Related Management Activities of Integrated
Sewage Treatment Equipment Water Reuse Equipment**

Registration Address: Bancheng Town, Lanshan District, Linyi City, Shandong
Province, P. R. China

Physical Address: Jinluo Science and Technology Park, Bancheng Town, Lanshan
District, Linyi City, Shandong Province, P. R. China (Sale/Office Address)

Date of Issue: 2018-07-26
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SPRAS SMDD APPROVAL

DEVELOPMENT PATH

Year	Timeline of Development and Projects	Processing scale
1995	Establishment of Environmental Protection Department	
1996	Construction of Slaughter Sewage Treatment Plant of Jinluo Group	2000m³/day
1998	Construction of Soybean Protein Processing Sewage Treatment Plant of Jinluo Group	1000m³/day
2000	Expansion of Jinluo Group Soybean Protein Processing Sewage Treatment Plant	3000m³/day
2002	Construction of Lanshan Cuncuntong Zhangzhuang Waterworks	50000m³/day (Supply)
	Start research on sludge process reduction technology	
	Construction of Daqing Jinluo Sewage Treatment Plant	8000m³/day
2003	Construction of Qiqihar Jinluo Sewage Treatment Plant	5000m³/day
	Construction of Jiamusi Jinluo Sewage Treatment Plant	1000m³/day
2004	Construction of Xinglong Jinluo Sewage Treatment Plant	1000m³/day
	Construction of Tongliao Jinluo Sewage Treatment Plant	3000m³/day
	Construction of Chang chun Jinluo Sewage Treatment Plant	5000m³/day
	Construction of Meishan Jinluo Sewage Treatment Plant	2000m³/day
	Construction of Niubaogou Town Sewage Treatment Plant in Linshu County	20000m³/day
	Construction of Yinan County Town Sewage Treatment Plant	20000m³/day
	Construction of Jinluo Group Sewage Treatment Re-improvement Project	15000m³/day
2005	Registered Independent Legal Person Jinluo Water Co., Ltd.	
	Construction of Dezhou Jinluo Sewage Treatment Plant	10000m³/day
2006	Construction of Xiangtan Jinluo Sewage Treatment Plant	1000m³/day
	Construction of wastewater reuse project in Jinluo Group	50000m³/day
2007	Construction of Tongdongshao Waterworks in Lanshan Village	100000m³/day
2009	Expansion of Liuqing River Industrial Sewage Treatment Plant in Lanshan District	40000m³/day

2012	Establishment of small-scale integrated wastewater treatment equipment production base with production capacity of 2000 units in Linyi city	
	Establishment of Qingdao Jinmin Environmental Protection Technology Co.,Ltd.	
	Establishment of small-scale integrated wastewater treatment equipment production base with production capacity of 2000 units in Tsingtao city	
	Undertake the main task of "Research and Development of Complete Set of Equipment for Municipal Sewage Sludge Reduction" of National 863 Program	
2013	Technical renovation of sludge reduction project in Linan municipal sewage treatment plant, the reduction rate is more than 60%	60000m³/day
	Construction of Jinluo Group Soybean Protein Processing Sewage Treatment Plant Phase II	6000m³/day
2014	More than 130 applications of Jinluo Wastewater Treatment system in China	
	Construction of Jinluo Group Traceable Slaughtering Project Sewage Treatment Plant	20000m³/day
2015	Establishment of overseas branches in the UAE, and oversea offices in Saudi Arabia, Bahrain, South Africa, Ethiopia,Malaysia and Indonesia	
	Expansion of Yinan County Town Sewage Treatment Plant	40000m³/day
	Expansion of Niutuigou Town Sewage Treatment Plant in Linshu County	40000m³/day
	Saudi Arabia - Jeddah palace STP project	300m³/day
	Saudi Arabia-Jeddah Balad STP project	150m³/day
	Indonesia-Jakarta international expo STPproject	150m³/day
	Malaysia-Indah water STP project	150m³/day
2016	Expansion of Liuqing River Industrial Sewage Treatment Plant in Lanshan District	40000m³/day
	The sludge reduction engineering technology of Biying Sewage Treatment Plant in Lanling County has been revamped, and the reduction rate is more than 60%	40000m³/day
	Dubai - Desert safari camp STPproject	150m³/day
	Bahrain-Askar STP project	150m³/day
	South Africa-Sunday river STP project	300m³/day
	South Africa-Cradock STP project	300m³/day
	Research and development of integrated water purification equipment with daily capacity of 2000,4000 and 10000 tons have been successful and put into operation	
2017	Relying on Integrated Water Purification Equipment to Develop Unqualified Water Body and Black and Odor Water Treatment Project	
	Abu Dhabi – Masdar city STP project	70m³/day
	Saudi Arabia-Dammam apartments STP project	150m³/day
	South Africa-glen wastewater treatment plant project	450m³/day
	Ethiopia-Low rent housing STP project	150m³/day
	The integrated water purification equipment with daily treatment capacity of 300, 600 and 1000 tons has been successfully developed and put into operation.	
2018	Nearly 400 global applications of all equipment	
	Dubai – DIC labor camp STP project	5500m³/day
	Sharjah-Zero 6 mall project	
2019		

Recently Executed Project Reference List – BOT Scheme – China Domestic Market

No	Project Name	Location	Capacity	Year Commissioned	Client
1	We'st Lanshan District Lease Project	Yitang Town Circle, Lanshan District, Linyi City	3×150m³	2019	Government
2	West Lanshan District Lease Project	Yitang Town, Lanshan District, Linyi City	4000m³	2019	Government
3	West Lanshan District Lease Project	Wanggou Electric School, Lanshan District, Linyi City	4×150m³	2019	Government
4	Liuqing River Project	Linyi No. 1 Middle School	4×150m³	2018	Government
5	Company-owned	Pingyi Moyuzi Farm	150m³	2020	Golden gong
6	Northern Lanshan District (Liuqing River Basin)	Lianhuashan Community, Liguan Town, Lanshan District, Linyi City	3×150m³	2019	Government
7	Northern Lanshan District (Liuqing River Basin)	Qingyi Village, Bancheng Town, Lanshan District, Linyi City	150m³	2018	Government
8	Northern Lanshan District (Liuqing River Basin)	Zaolin Village, Bancheng Town, Lanshan District, Linyi City	10000m³	2018	Government
9	Northern Lanshan District (Liuqing River Basin)	Linyi City Lanshan District Zaoyuan Town Formaldehyde Factory	600m³	2019	Government
10	Northern Lanshan District (Liuqing River Basin)	Shadingyu Community, Bancheng Town, Lanshan District, Linyi City	800m³	2018	Government
11	Lanshan District second stage equipment leasing project	Yulangou, Yitang Town, Lanshan District, Linyi City	3×1500m³	2020	Government
12	Northern Lanshan District (Liuqing River Basin)	Yongtai River, Shanshuikou, Bancheng Town, Lanshan District, Linyi City	4000m³	2018	Government
13	Lanshan District second stage equipment leasing project	Nantusu, Lanshan District, Linyi City	30×150m³	2019	Government
14	Northern Lanshan District (Liuqing River Basin)	Xiangyanghe Community, Liguan Town, Lanshan District, Linyi City	2×300m³	2019	Government
15	Northern Lanshan District (Liuqing River Basin)	Yunbo Lake Community, Liguan Town, Lanshan District, Linyi City	500m³	2019	Government
16	Northern Lanshan District (Liuqing River Basin)	Yiheyuan Community, Liguan Town, Lanshan District, Linyi City	1000m³	2018	Government
17	Sewage treatment project in the southern part of Hedong District	Airport in Hedong District, Linyi City	10000m³	2019	Government
18	Northern Lanshan District (Liuqing River Basin)	Shadingyu Community, Bancheng Town, Lanshan District, Linyi City	300m³	2018	Government
19	Northern Lanshan District (Liuqing River Basin)	Shadingyu Community, Bancheng Town, Lanshan District, Linyi City	800m³	2019	Government
20	Company-owned	Jinluo Garden, Bancheng Town, Lanshan District, Linyi City	150m³	2019	Golden gong

No	Project Name	Location	Capacity	Year Commissioned	Client
21	Northern Lanshan District (Liuqing River Basin)	Jinluo 2nd Road, Bancheng Town, Lanshan District, Linyi City	2000m³	2018	Government
22	Yimianpo Town Integrated Sewage Treatment Equipment Purchase Contract	Yimianpo Town, Shangzhi City, Harbin City	500m³	2021	Government
23	Domestic sewage treatment project of rural revitalization demonstration village in Mile City, Yunnan Province	Yunnan Maitreya Little Black	20m³	2021	Government
24	Domestic sewage treatment project in Jianzhi Town, Pingyi County	Liuyu Town, Pingyi County	150m³	2021	Government
25	Northern Lanshan District (Liuqing River Basin)	Yiheyuan Community, Liguan Town, Lanshan District, Linyi City	1000m³	2018	Government
26	Lanshan District River Lifting and Lease Project	Longquan Garden, Liuqing Street, Lanshan District, Linyi City	300m³	2019	Government
27	West Lanshan District Lease Project	West of Yaojiazhai, Liufang Town, Lanshan District, Linyi City	150m³	2019	Government
28	Northern Lanshan District (Liuqing River Basin)	600 Formaldehyde Factory, Zaoyuan Town, Lanshan District, Linyi City	600m³	2020	Government
29	Linshu Sewage Treatment Lease Project	Xicha River, Linshu County	2×150m³	2018	Government
30	Linshu Sewage Treatment Lease Project	West University Branch of Linshu County	2×150m³	2018	Government
31	Northern Lanshan District (Liuqing River Basin)	West Henan, Zaoyuan Town, Lanshan District	2×150m³	2018	Government
32	Northern Lanshan District (Liuqing River Basin)	Xiaochaoyi, Zaoyuan Town, Lanshan District	2×150m³	2019	Government
33	Junan Jilong River Lease Project	Zhongshigou, Junan County	600m³	2019	Government
34	Company-owned	Chashan, Liguan Town, Lanshan District	300m³	2019	Company-owned
35	Northern Lanshan District (Liuqing River Basin)	Dahaobu Community, Bancheng Town, Lanshan District	150m³	2019	Government
36	Linshu Sewage Treatment Lease Project	Hujiagou, Linshu County	2×150m³	2018	Government
37	Domestic sewage treatment project in Jianzhi Town, Pingyi County	Pingyi Zhengcheng Primary School	150m³	2021	Government
38	Domestic sewage treatment project in Jianzhi Town, Pingyi County	Pingyi Zhengcheng Middle School	150m³	2021	Government
39	Lanshan District River Lifting and Lease Project	Longquan Garden, Liuqing Street, Lanshan District, Linyi City	300m³	2019	Government