



智水环境  
—WISDOM WATER—  
绿色 / 节能 / 环保



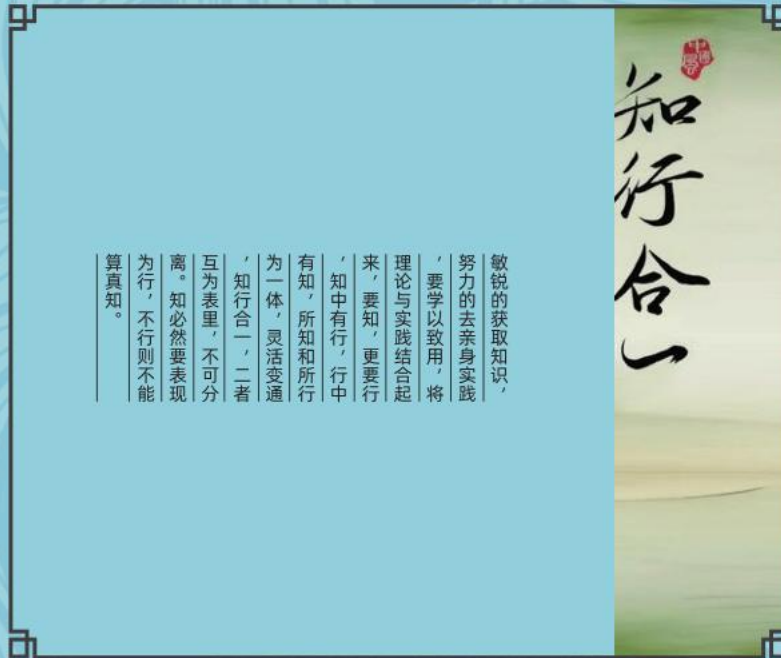
# 智水环境 WISDOM WATER

- ISRI装置
- 工业废水
- 村镇污水
- 直饮水
- 黑臭水体
- 中水回用

湖南智水环境科技有限公司  
HUNAN WISDOM WATER ENVIRONMENTAL TECHNOLOGY CO.,LTD



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四种水环境整体解决方案
- 环保装备制造与销售  
Manufacturing and sales of  
environmental remediation devices
- 自来水、直饮水、中水回用  
设备制造与销售  
Manufacturing and marketing of equipment  
for tap water, drinking water, and reclaimed  
water
- 市政及工业园区污水处理  
设计及建设  
Design and construction of municipal  
and industrial park wastewater  
treatment
- 企业荣誉资质  
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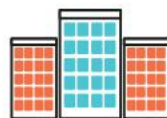


敏锐的获取知识，  
努力的去亲身实践，  
要学以致用，将  
理论与实践结合起来，  
要知，更要行，  
知中有行，行中  
有知，所知和所行  
为一体，灵活变通  
，知行合一，二者  
互为表里，不可分  
离。知必然要表现  
为行，不行则不能  
算真知。

## 知行合一 行胜于言 Knowing and Doing

“知之真切笃实处是行，行之明觉精察处就是知。”当你带着美好的向往，不断的在事情上磨炼光复你的良知，又用你光明的良知去实践的时候，这样的“知行合一”，最终会成就你的内圣外王

"Knowing it truly and sincerely is doing; Doing it clearly and perceptively is knowing". When you carry a beautiful yearning, constantly refining your conscience in matters, and use your bright conscience to practice, such "integration of knowledge and action" will eventually fulfill your inner sage and external king.



# 公司简介

Company Profile

# COMPANY PROFILE

## 公司简介

湖南智水环境科技有限公司成立于2012年，注册资金5000万，总部坐落于长沙市国家经济开发区，生产基地位于浏阳环保科技示范园内，建有国内一流的环保装备智能制造生产线，总占地面积20000m<sup>2</sup>，是一家环保装备的专业制造商和环保方案的集成解决商，秉承绿色、智慧、精准、解放劳动力的创新理念，坚持以客户为中心，解决环境行业收集难、运维难、管理难、保持难等痛点，自主研发制造ISRI一体化污水处理设备、智能垃圾分拣车等系列环保装备。

公司成立了独立的研发中心，并与湖南大学联合创建的“产学研基地”，专注于环境治理技术研究，高新技术应用，产品开发及技术储备。目前，公司已获得近百项专利证书，并将专利技术全面应用于公司自主研发制造的环保装备中，公司具有环保工程专业承包一级资质，机电工程施工总承包三级资质、市政公用工程施工总承包三级资质、建筑机电安装工程专业承包三级资质，获得工业废水一级、生活污水一级运营资质，通过了ISO9001国际质量体系认证、职业健康安全体系认证、环境管理体系认证，一体化污水处理设备获得中国环境保护产品认证证书，业务板块遍布全球，已为50+家工业园区、医院提供整体环保方案、建设污水处理厂站，为100+县市、600+乡镇提供一体化污水处理设备1000+座，并为200+厂站提供高效整体的智慧运维服务。

智者乐水，面对不断变化的自然环境，智水环境始终坚守保护环境、造福人类的初心，以创新的思维、精益求精的态度致力于有效的环境治理之道。

Hunan Wisdom Water Environmental Technology Co., Ltd. was established in 2012. With a founding capital of 50 million yuan. Its research centre is located in the Chinese National Economic Development Zone of Changsha City, with its production centre located in the Liuyang Environmental Remediation Technology Demonstration Park. The company has built top domestic intelligent manufacturing production lines for environmental remediation devices, covering a total area of 20,000 metres squared. As a professional manufacturer of environmental remediation devices and integrated provider of environmental remediation solutions, the company adheres to innovative concepts of green, smart, precise, and efficiency, with a customer-centric approach to address challenges in the environmental industry including but not limited to collection, operation and maintenance, management, and preservation. The company has independently researched and manufactured integrated wastewater treatment equipment (ISRI) and intelligent rubbish sorting vehicles, in addition to other environmental remediation device series.

The company has thus far established an independent research and development centre, and jointly pioneered a "production, education, and research institute" with Hunan University, focusing on research in environmental governance technology, application of high-tech, product development, and technology reserves. Thus far, the company has obtained three digits of patent certificates and has applied patented technology comprehensively in its independently developed and manufactured environmental remediation devices. The company has obtained first-level qualifications for environmental engineering professional contracting, third-level qualifications for electromechanical engineering construction general contracting, third-level qualifications for municipal public works construction general contracting, and third-level qualifications for building electrical installation engineering professional contracting. It has also obtained first-level qualifications for industrial wastewater and domestic sewage operations and has passed the ISO9001 international quality system, occupational health and safety system, and environmental management system certifications. Its integrated wastewater treatment equipment has also obtained the capstone China Environmental Remediation Product Certification Certificate. With the company's business' global spectrum of comprehensive environmental remediation solutions for more than 50 industrial parks and hospitals, wastewater treatment plants, nearly 1,000 integrated wastewater treatment equipment for more than 100 counties and cities and 600 townships, efficient and comprehensive smart operation and maintenance services for more than 200 plants are provided.

"Wisdom arises from water". In the face of anthropogenic climate change, Wisdom Water technology has always adhered to its foundation of preserving our environment for the betterment of mankind. Poised with innovative thinking and a continuous pursuit of excellence, the company has and always will committed to effective environmental governance.

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**近百项**  
专利证书

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**50+**  
工业园区、医院

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**1000+座**  
一体化污水处理设备

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**200+厂站**  
智慧运维服务

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# DEVELOPMENT HISTORY

## 发展历程

### 创立

- 创立智水环境品牌
- 加入环保协会
- 获三级资质

#### Founding

- Founding the brand of Wisdom Water
- Acquiring membership of environmental organisation
- Qualifying Construction Enterprise Qualification Standard III

### 积累

- 孵化核心专利产品：ISRI智能一体化污水处理设备
- 获ISO9001质量管理体系、3C认证、安全生产许可证
- 连续三年被评为守合同重信用企业

#### Experience

- Establishing our patented product: integrated wastewater treatment equipment (ISRI)
- Certified under ISO 9001 quality management systems standards, China Compulsory Certificate, Chinese safe production license
- Elected as Contract-abiding and credit-worthy enterprise for three consecutive years

### 突破

- 核心专利产品推入市场，应邀参加澳门环保展、北京国际环保展、上海国际环保展，销售额首次破亿元
- 获得污水运营资质二级、环保工程专业承包一级资质

#### Breakthroughs

- Launching patented products
- Invited to the Macao International Environmental Co-operation Forum & Exhibition; China International Environmental Protection Exhibition and Conference; IE expo China
- Sales exceeding 100 million yuan
- Qualified for China sewage operation level II and professional environmental contractor level I

## 发展

- 浏阳生产基地正式投产
- 获湖南省环保产品认定
- 被评为环保行业AAA级信用企业

### Developments

- Completion of Liuyang production Centre
- Obtained Hunan Provincial Environmental Remediation Product Certification
- Obtained Chinese Environmental Industry AAA credibility certification

## 深耕

- 响应四年行动计划，深耕乡镇污水治理领域
- 被评为湖南省“十佳环保企业、湖南省“专精特新”小巨人、绿色工厂、长沙市企业技术中心

### Obligations

- Respond to the call from governing bodies to participate in rural sewage treatment
- Ranked amongst top 10 in the environmental industry in Hunan province
- Received Hunan provincial green factory qualification
- Elected as centre of Changsha high-tech industry

## 新征程

- 被评为湖南省企业技术中心
- 响应二十大精神，全面助力乡村振兴

### Prospects

- Elected as centre of Hunan high-tech industry
- Contribute to rural sewage treatment nation wide and beyond

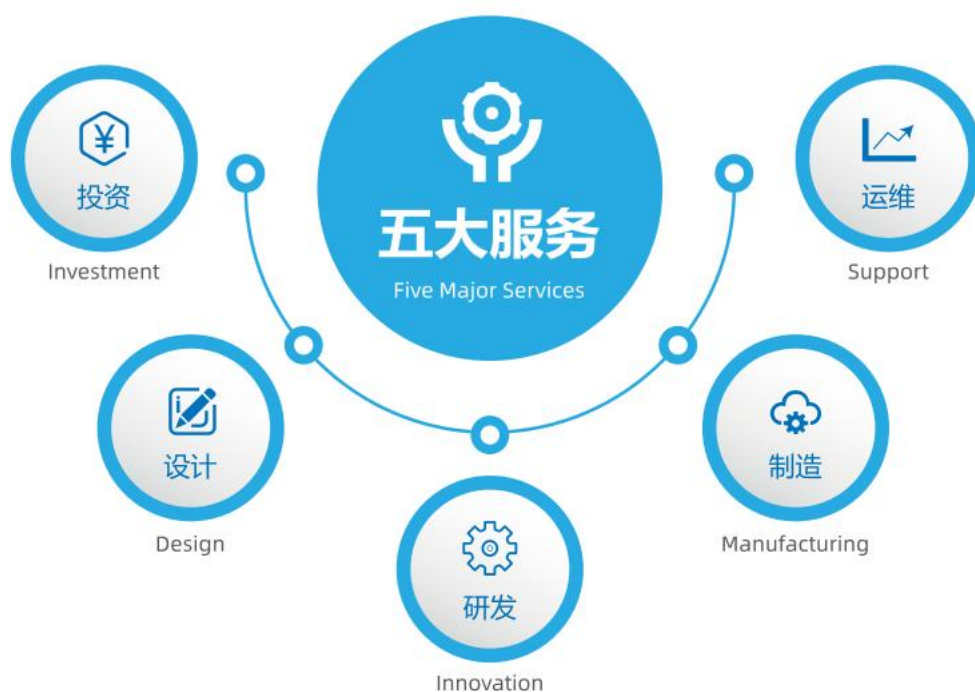


# SERVICE SYSTEM

服务体系

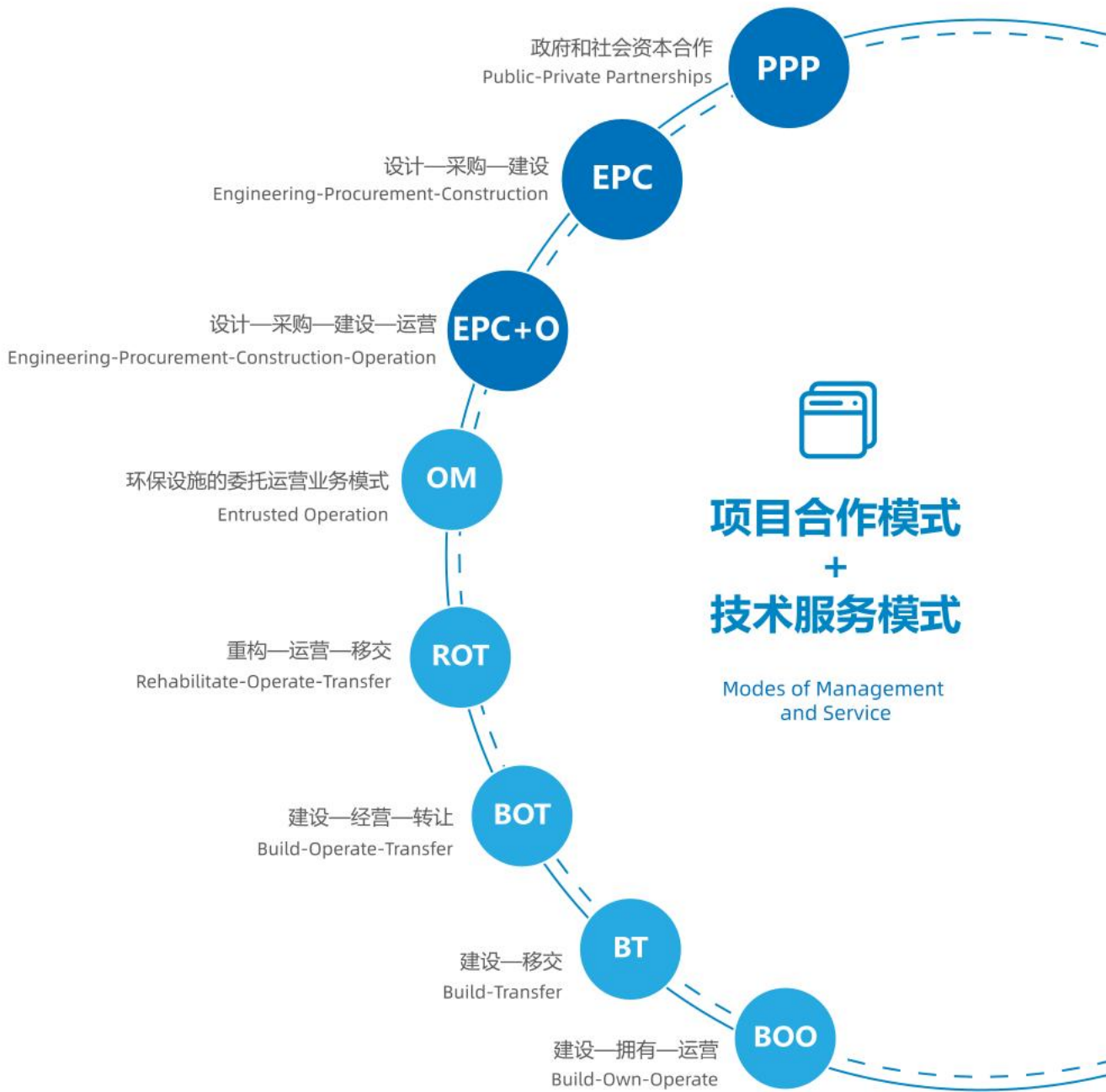
## 全产业链智能化环保装备 及运维服务体系

Industry Wide Supply Chain Integrated Service System



# MANAGEMENT MODEL

## 经营模式



# ENTERPRISE CAPABILITY

## 企业能力



## 慧心设计者

对专业系统思考，对设计精益求精，这是技术研发中心长久秉持和追求的设计哲理。以绿色引领设计，设计中坚持低碳节能、因地制宜、生态治理的原则，以全面的“环境观”“技术观”“经济观”为导向，设计中充分考虑环境的融合、技术的应用、功能的完善、资金的投入与整体的创新，不片面追求单项效益，力求整体上取得综合效益。

Systematic thinking and detail orientation for the excellence of designs is the foundation and core philosophy of our research centre. Guided by renewable design, we adhere to the principles of maximised efficiency, adapting to local conditions and ecology. Steered by comprehensive “environmental, technological and economic” assessments, our designs fully consider the integration of the environment, the application of technology, the improvement of functions, the investment of funds and the overall level of innovation. Rather than pursuing economic benefits for the clients alone, we strive to evaluate costs and benefits with all stakeholders involved.

## 匠心制造家

智水环境拥有一流的装备智能制造生产线，设有数控下料机、自动抛丸线、自动焊接机器人、自动喷涂房、焊接油烟无害化处理装置、喷涂漆雾无害化处理装置等，从原料选择到制造生产，再到包装发货，我们始终遵循精益生产的核心理念，追求生产的合理性、高效性，灵活地生产适应各种需求的高质量产品，严格执行质量管理体系，为客户提供高品质环保匠心装备。

Wisdom Water operates bleeding-edge production lines, equipped with CNC milling machines, autonomous sandblasting, welding arms, spray-painting rooms, welding fume extractors, and paint fume recycling devices. From raw materials to manufacturing and production, to packaging and delivery, we always follow the core concept of maximised quality, production efficiency, flexibility and safety to meet the various needs of a large variety of clients. Providing our customers with the highest standard as they always deserve.

## 贴心运维人

智水环境自主开发智慧水务云平台，采用先进的物联网技术，将现场一体化设备接入到自主搭建的云平台，实施智联数据中心对项目进行24小时运维调试与管理，为设备全天候智能监测提供安全保障，实现集中数据控制与集中区域管理。我们拥有专业的运维团队，每200台设备由4-6名运维人员全程跟踪，出现问题故障远程第一时间及时处理，15分钟内实时响应处理，省内12小时内实施现场处理，省外48小时内实施现场处理。

Wisdom Water has independently developed our intelligent cloud platform, adopting the cutting-edge Internet of Things technology, and integrating equipment on-site to our self-built and operated cloud. Our 24x7 monitoring network carries out uninterrupted monitoring, and management of devices through a secure link from end to end, realising data control and local data privacy regulations as our top priority. With our professional operation and maintenance team, a check and balance system of 4~6 staff per 200 installed devices becomes sufficient to maintain the reliability of our devices, while reducing operational costs compared to traditional scheduled maintenance. Remote diagnosis in real-time, technician response in 15 minutes, 12-hour domestic on-site assistance, and 48-hour on-site troubleshoot for remote frontiers has always been our commitment.

# CULTURAL CONSTRUCTION

## 文化建设

### 使命

创新的思维、精益求精的态度致力于有效的水环境治理之道。

### 愿景

不断改善员工的生活，并提供最佳的职业发展平台，为人类的幸福生活做出贡献。

### 经营理念

诚信共赢 卓越品质

### 敬业精神

感恩 认真 协作 守时

### 人才理念

目标明确 正直诚信 进取求精 坚韧不拔

人之大病不在无用而在无明, 事业之成功不在学历而在学力。

Mission: Innovation and attention to detail for effective water management

Vision: Continuously improve the standard of living amongst employees and clients while offering the best platform for client career development, all for the betterment of mankind

Operation Philosophy: Integrity Management, Superb Quality Control

Professionalism: Clemency, Conscientiousness, Cooperation and Promptness

Talent Concept: Clear objectives, Integrity, Entrepreneurship, and Perseverance

As we believe, the greatest disease of man does not lie in incompetence, but in ignorance. Success in career in career is not in academic qualifications, but in skills.





## 精益求精 Endless Striving for Excellence

《论语·学而》：“子贡曰：『贫而无谄，富而无骄，何如？』子曰：『可也。未若贫而乐、富而好礼者也。』子贡曰：『《诗》云：“如切如磋，如琢如磨。”（治骨曰切，象曰磋，玉曰琢，石曰磨。）其斯之谓与？』子曰：『赐也，始可与言《诗》已矣！告诸往而知来者。』”

Tsze-kung said, "What do you pronounce concerning the poor man who yet does not flatter, and the rich man who is not proud?"

The Master replied, "They will do; but they are not equal to him, who, though poor, is yet cheerful, and to him, who, though rich, loves the rules of propriety."

Tsze-kung replied, "It is said in the Book of Poetry, 'As you cut and then file, as you carve and then polish.' The meaning is the same, I apprehend, as that which you have just expressed."

The Master said, "With one like Ts'ze, I can begin to talk about the odes. I told him on point, and he knew its proper sequence."



# 业务范围

Business Scope

## 业务范围

### 一、环保装备的研发、制造、销售

- 1.ISRI污水处理装置
- 2.家电化户用污水处理机
- 3.智能垃圾分类车
- 4.自来水、直饮水、中水回用设备

### 二、分散式污水治理解决方案及实施

- 1.3-5人居住分散式生活污水治理解决方案及实施
- 2.20-100人居住分散式生活污水治理解决方案及实施
- 3.100-5000人居住分散式生活污水治理解决方案及实施

### 三、河湖水体治理解决方案及实施

- 1.河湖水治理解决方案及实施
- 2.河湖水质提升治理解决方案及实施

### 四、市政污水工业园区污水治理解决方案及实施

5000-500000m<sup>3</sup>吨/天市政污水处理的设计、建设与运维

### 五、工业废水N+1治理解决方案及实施

- 1.养殖废水N+1治理解决方案及实施
- 2.垃圾渗滤液N+1治理解决方案及实施

### I. Industry Wide Supply Chain Integrated Service System

- 1.Integrated Wastewater Treatment Equipment (ISRI)
- 2.Appliance Size Individual Home Sewage Treatment Systems
3. Intelligent Rubbish Sorting Vehicles
- 4.City water, drinking water, reclaimed water recycling devices

### II. Decentralised Waste Water Reclaim Solutions and Implementation

- 1.Decentralised Home Sewage Treatment Systems for Population of 3-5
- 2.Decentralised Home Sewage Treatment Systems for Population of 20-100
- 3.Decentralised Home Sewage Treatment Systems for Population of 100-5000

### III. Natural Water Bodies Water Treatment Solutions and Implementation

- 1.Natural Water Bodies Water Treatment Solutions
2. Natural Water Bodies Water Quality Improvement Solutions and Implementation

### IV. Industrial Complex Waste Water Treatment Solutions and Implementation

5,000 m<sup>3</sup> to 500,000 m<sup>3</sup> / day city waste water treatment design, develop and support

### V. Industrial Waste Water N+1 Treatment Solutions and Implementation

- 1.Aquaculture Water Treatment Solutions and Implementation
- 2.Landfill leachate N+1 Treatment solutions and Implementation



智水  环境



## 大雁精神 Wild Goose Spirit

当雁群成倒“V”字型飞行时，要比孤雁单飞节省70%的力气，相对地也就等于增加了70%的飞行距离。雁群的确够聪明，他们选取拥有相同目标的伙伴同行，这样可彼此互动，更快速、更容易地到达目的地。

团队精神能够使团队持续活力、拥有创新、焕发青春、用心进取。就像步调一致的雁群一样，齐心协力，互帮互助，并在心中产生一种力量，激励自己前进，一齐飞向灿烂完美的明天。

Research suggests when geese fly in their classical shape, 70% of their energy can be conserved compared to a goose travelling alone, equivalent to an increase of 70% in their range. If geese are smart enough to choose partners who have the same goals, and to interact with each other for a collective goal, how can we not?

Teamwork is the core of team survival. Innovation, rejuvenation and enterprising, just like the group work seen amongst the geese, propel the creation of power, a motivation to advance, to glide collectively for a bright future.

# 四种水环境整体解决方案

Four Integrated Solutions for

Water Environment



## 四种水环境整体解决方案

### 分散式污水治理解决方案及实施

3-5人居住分散式生活污水治理解决方案及实施

20-100人居住分散式生活污水治理解决方案及实施

100-5000人居住分散式生活污水治理解决方案及实施

### 河湖水体治理解决方案及实施

河湖水治理解决方案及实施

河湖水质提升治理解决方案及实施

### 垃圾渗滤液N+1治理解决方案及实施

### 工业废水N+1治理解决方案及实施

#### Decentralised Waste Water Reclaim Solutions and Implementation

Decentralised Home Sewage Treatment Systems for Population of 3-5

Decentralised Home Sewage Treatment Systems for Population of 20-100

Decentralised Home Sewage Treatment Systems for Population of 100-5000

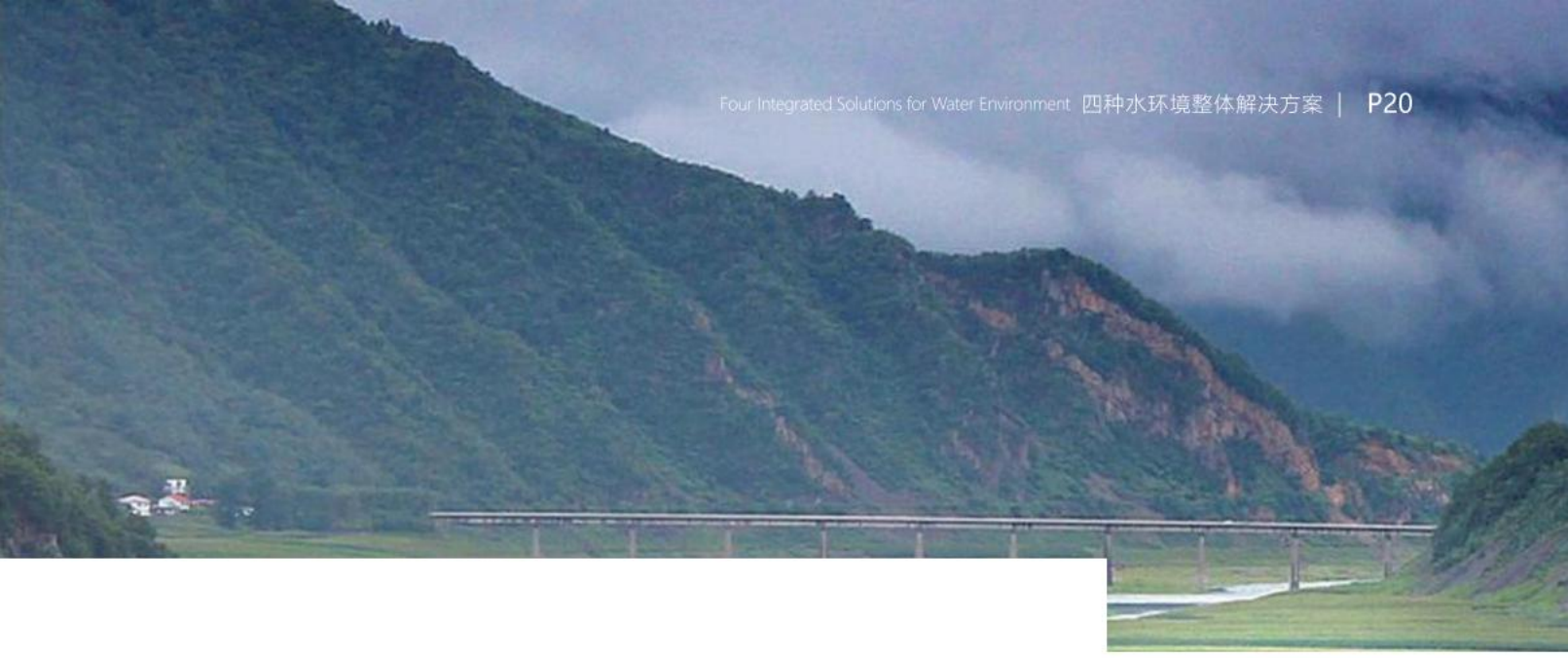
#### Natural Water Bodies Water Treatment Solutions and Implementation

Natural Water Bodies Water Treatment Solutions

Natural Water Bodies Water Quality Improvement Solutions and Implementation

#### Landfill leachate N+1 Treatment solutions and Implementation

#### Industrial Waste Water N+1 Treatment Solutions and Implementation



面对千变万化并被重度污染的自然水体环境，我们怎么提供精准有效的水环境解决之道？

为此我们针对农村、城镇、城乡结合部、工业集中区等多地区污水进行检测、处理，发现目前城镇污水主要存在以下几种情况：

- 01 自然村、自然集镇较多，污染点源分散，氨氮、磷相对较高；长期不经处理，严重污染地下水源和地表饮用水源；
- 02 随着景区，旅游业高速发展，很多景区过度开发，人满为患，旅游区的生活污水，随着人们日益丰富的物质和精神生活，配套污水处理设施严重缺乏；
- 03 随着人口的增长，人们生活水平的提高，河流、支流、溪流、渠道的纳污能力严重不足，长期污染，没有采取有效措施，导致黑臭现象严重，污染面大；
- 04 城市建设过程中，雨污未实行分流，导致城市污水处理厂经常处于水量过大、浓度不足的情况；

In the face of heavily polluted, yet ever-changing natural water resources, how could we provide accurate and effective water management solutions in China?

Through the detection and treatment of sewage in many areas such as rural areas, towns, urban and rural areas, industrial concentration areas, etc., it is found that the current urban sewage mainly exists in the following situations:

To unravel this riddle, we launched comprehensive surveys amongst sewage collected from rural to industrial areas and discovered the following: suburban areas are seen with scatted pollution sources, concentrated with ammonia, nitrogen, and phosphorus. Long-term undertreatment leads to severe contamination seen amongst surface and groundwater resources.

With the rapid development of scenic attractions, most of these sites become overexploited and overcrowded, leaving domestic sewage in tourist areas beyond their processing capacity. With the development in both the material and recreational life of China, however, sewage treatment facilities shortages become acute.

With the growth of the Chinese population and the improvement of Chinese living standards, the pollutant-holding capacity of rivers, tributaries, streams and channels becomes inadequate. No effective measures had been taken toward such a long-term unanticipated pollution source. As a result, the area of heavily polluted water bodies continues to crouch towards residential regions.

In the process of urban development, the lack of separation between runoff and sewage leads to a scenario of beyond-capacity influx with insufficient sewage concentration for effective treatment.



## 四种水环境整体解决方案

### 分散式污水治理解决方案及实施

#### 3-5人居分散式生活污水治理解决方案及实施

①针对3-8户或单户，排水下游环境容量小、生态破坏严重或处于生态敏感区的居民生活污水，收集至户用式设备。

②户用一体化污水处理装置保证水质水质稳定达到排放标准。出水稳定达GB 18918--2002一级A标准。

### 稳定达到国家GB18918-2002一级A出水标准

Met the Chinese GB18918-2002 level A water standard

Designed for 3-8 households or single households with small treatment capacity, serious ecological damage or ecologically sensitive areas downstream of the drainage of residential sewage - Suitable for household grade equipment.

Household-integrated sewage treatment devices ensure a stable discharge standard.

The effluent has been tested to meet the capstone GB 18918--2002 Grade A standard.

治理前\BEFORE

治理后\AFTER



## 坪塘生活污水项目

坪塘生活污水治理项目选用2台0.5吨户用ISRI污水处理装置，处理规模1m<sup>3</sup>/天，采用改良AAO+污泥消减工艺，达到脱氮除磷及节能减排的双重效果，实现出水100%回用，年节约水资源365吨。

Our Pingtang domestic sewage treatment project selects two household ISRI sewage treatment units with a treatment capacity of 1 cubic metre daily. Its improved AAO+ sludge reduction process has been adopted to achieve the simultaneous removal of nitrogen and phosphorus while meeting energy conservation and emission standards. From its 100% effluent repurposing, 365 tonnes of fresh water is conserved annually.

竣工时间 2019.12.15

处理规模 0.5m<sup>3</sup>/天

选用工艺 改良AAO+污泥消减工艺

服务人数 3-5人

## 20-100人居住分散式生活污水治理解决方案及实施

- ①新建管道收集3-5户生活污水，集中至分散式设备处理后达标排放。
- ②设备运行数据均上传至智能远程控制平台，实现无人值守远程一键操控。

### 稳定达到国家GB18918-2002一级A出水标准 Met the Chinese GB18918-2002 level A water standard

Decentralised Domestic Sewage Treatment Solutions for a population of 20 - 100 Our pipelines collect sewage from 3-5 households, which is discharged after centralised treatment and meeting local standards.

All statistics of our devices in operation are uploaded to our intelligent remote monitoring platform, which achieves remote diagnosis and management.

治理前\BEFORE

治理后\AFTER

四洱湖村镇分散式污水处理项目  
Sier Lake Sewage Treatment Project

## 经典案例

坪塘生活污水处理项目  
 雨花区集镇分散污水处理项目  
 徐州市铜山区农村分散污水处理项目  
 岳麓区含浦街道农村环境综合治理项目  
 岳麓区莲花镇农村环境综合治理项目  
 岳麓区雨敞坪镇农村环境综合治理项目  
 望城区乌山镇农村环境综合整治项目  
 望城区黄金园镇农村环境综合整治项目  
 望城区乔口镇农村环境综合整治项目  
 望城区靖港古镇农村环境综合整治项目  
 望城区茶亭镇农村环境综合整治项目  
 坪塘街道绿心地区农村环境治理项目  
 望城区莲花镇云盖村污水处理项目  
 长沙市望城区白箬铺镇分散式生活污水治理工程  
 .....

## CLASSIC PROJECTS

Domestic Sewage Treatment Project in Pingtang  
 Decentralized Sewage Treatment Project of Centralized Villages and Towns in Yuhua District  
 Rural Decentralized Sewage Treatment Project of Tongshan District, Xuzhou City  
 Rural Environment Comprehensive Sewage Treatment Project of Hanpu street, Yuelu District  
 Rural Environment Comprehensive Sewage Treatment Project of Lianhua Town, Yuelu District  
 Rural Environment Comprehensive Sewage Treatment Project of Yu Chang Ping Town, Yuelu District  
 Rural Environment Comprehensive Sewage Treatment Project of Wushan Town, Wangcheng District  
 Rural Environment Comprehensive Sewage Treatment Project of Huang Jin Yuan Town, Wangcheng District  
 Rural Environment Comprehensive Sewage Treatment Project of Qiaokou Town, Wangcheng District  
 Rural Environment Comprehensive Sewage Treatment Project of Jinggang Ancient Town in Wangcheng District  
 Rural Environment Comprehensive Sewage Treatment Project of ChatingTown, Wangcheng District  
 Rural Environment Comprehensive Sewage Treatment Project of Luxin Area, Pingtang Street  
 Rural Environment Comprehensive Sewage Treatment Project of Yungai Village, Lianhua Town, Wangcheng District  
 Decentralized Domestic Sewage Treatment Project of Bai Ruo Pu Town, Wangcheng District, Changsha City  
 .....



湘西花垣县十八洞村镇污水处理项目

Sewage Treatment Project in Shibadong Village, Huayuan County, Western Hunan

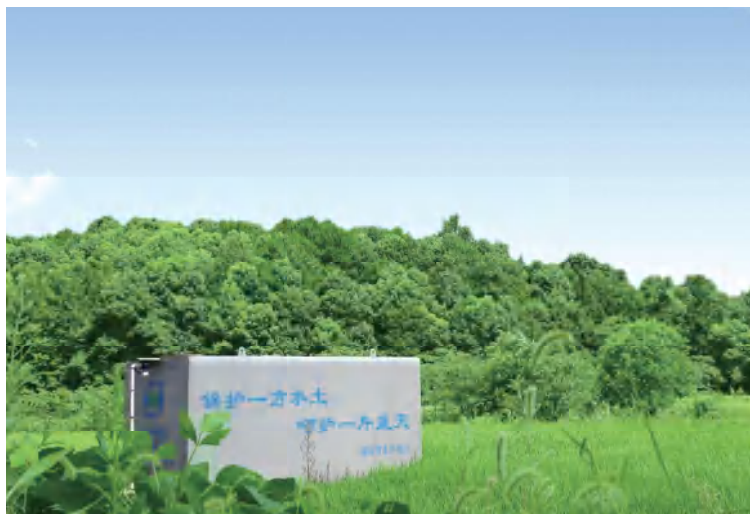




治理前\BEFORE



治理后\AFTER



湘西花垣县十八洞村镇  
污水处理项目

Sewage Treatment Project in  
Shibadong Village, Huayuan  
County, Western Hunan

## 100-5000人居住分散式生活污水治理解决方案及实施

将:

居民生活污水 幼儿园生活污水

中学生的生活污水 敬老院生活污水

小区生活污水 办公楼生活污水

其他生活污水

收集至污水处理设备进行处理

注:

- ①根据实际污水水量，新建符合要求的管网（包括主管、支管）收集污水至集中式处理设备。
- ②所有设备运行数据均上传至智能远程监控平台。

治理前\BEFORE

## 稳定达到国家GB18918-2002一级A出水标准

Met the Chinese GB18918-2002 level A water standard

Solutions and implementations of decentralised domestic sewage treatment for a population of 100-5000.

Collecting Office Buildings, Kindergartens, Middle Schools and Foster Homes for processing in sewage treatment devices.

Based on evaluated site capacities, new pipelines (including the main pipes and branch pipes) will be built to standard with redundancy, collecting sewage into centralised treatment devices.

All operation statistics are uploaded to the intelligent remote monitoring platform for diagnosis.

治理后\AFTER

新疆吐鲁番市高昌区新城西门村污水处理及配套管网  
工程项目

Village Sewage treatment and ancillary pipe network  
construction project in Xincheng Ximen Village, Gaochang  
District, Turpan, Xinjiang Uygur Autonomous Region

新疆吐鲁番市高昌区新城西门村污水处理及配套管网工程项目

Village Sewage treatment and ancillary pipe network construction project in Xincheng  
Ximen Village, Gaochang District, Turpan, Xinjiang Uygur Autonomous Region





天心区双管子河污水处理项目

Contaminated Water Treatment Project of Shuang Guan Zi River, Tianxin District



治理前\BEFORE



治理后\AFTER



天心区一力物流园  
污水处理项目

Sewage Treatment Project of Yili  
Logistics Park, Tianxin District



松鼠谷游乐园  
污水处理项目

Sewage Treatment Project of  
Squirrel Valley Amusement Park

松鼠谷游乐园污水处理项目

Sewage Treatment Project of Squirrel Valley Amusement Park



育红中学污水处理项目

Sewage Treatment Project of Yu Hong Middle School

## 经典案例

花垣县十八洞村村容村貌提升项目  
衡南县六合村生活污水处理项目  
春华镇春华山村污水处理项目  
黄兴镇污水处理项目  
浏阳市镇头镇北星集镇污水治理项目  
浏阳市枞冲镇青草集镇污水治理项目  
浏阳市柏加镇渡头村污水治理项目  
浏阳市永安镇丰裕集镇污水治理项目  
耒阳市耒水饮用水源保护区居民生活  
污水收集处理项目

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## CLASSIC PROJECTS

Eighteen caves Village Appearance Upgrading Project in Huayuan County  
Liuhe Village Domestic Sewage Treatment Project in Hengnan County  
Sewage Treatment Project of Chunhuashan Village in Chunhua Town  
Sewage Treatment Project in Huangxing Town  
Sewage Treatment Project of Beixing Market, Zhentou Town, Liuyang  
Sewage Treatment Project of Qingcao Market Town, Chenchong Town, Liuyang  
Sewage Treatment Project of Dutou Village, Baijia Town, Liuyang  
Sewage Treatment Project of Feng-yu Market, Yong-an Town, Liuyang  
Resident Domestic Sewage Collection and Treatment Project of Leishui Drinking  
Water Source Reservation Area in Leiyang

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李贞小学  
污水处理项目

Sewage Treatment Project of  
Li Zhen Primary School



育红中学污水处理项目

Sewage Treatment Project of Yu Hong Middle School



## 湖南衡南县乡镇污水处理设施建设项目

为破解衡南县乡镇生活污水治理难题，智水环境因地制宜、分类施策，对排水较为分散且集中收集困难的村镇采用分散式处理；对排放量较高的集中村，采用建设污水处理站集中处理模式，为22个乡镇打造整体污水治理解决方案，日处理规模：12500m<sup>3</sup>/d，污水处理设施运行稳定，出水水质稳定达一级A标准。



湖南省衡南县乡镇污水处理设施建设项目

Hunan Hengnan County Township Sewage Treatment Facility Construction Project

In order to unravel the Hengnan county sewage treatment challenge, Wisdom Water analysed local conditions, and government regulations has implemented both scattered and centralised collection systems depending on the unique characteristics of towns and villages. For centralised villages with high discharge, the centralised treatment method of building sewage treatment stations is adapted to establish a collective sewage treatment solution for 22 towns, with a daily treatment capacity of 12500 metres cubed. After installation sewage treatment facilities operate reliably, achieving class A discharge standards.

竣工时间	2021.6.7
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处理规模	12500m <sup>3</sup> /天
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选用工艺	改良AAO+污泥消减工艺
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服务人数	11-15万人
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### 河湖水治理解决方案及实施



治理前\BEFORE

治理后\AFTER

稳定达到国家GB18918-2002一级A出水标准  
Met the Chinese GB18918-2002 level A water standard

Solutions for the Treatment of Rivers, Lakes, Watersheds, Black and Odorous Waters.

Dredging: A small amount of untreatable scattered domestic sewage and a large amount of rainwater is collected and concentrated, discharged into the original water source after ecological treatment.

Barricades intercept sewage, transported through pipelines to our ISRI Treatment Device:

1. In the event of a large amount of domestic sewage through the sewage collection pipeline entering our ISRI device, discharges are made to the original river by local standard.

2. Onboard intelligent remote monitoring platform.

Operation and Maintenance: Remote Management for Clean Rivers

湘潭市长城渠  
黑臭水体处理项目

Xiangtan Great Wall Canal  
Black and Odorous Water  
Treatment Project

### 长沙市岳麓区学士渠黑臭水体治理项目

学士渠黑臭水体治理长度为2500米，主要工程包括排水管道、河道、污水处理站、道路、绿化等。治理前，渠道内长满杂草，垃圾众多，异味严重，其主要污染源来自居民生活污水直排、养殖废水及少量工业污水，中游周边小区生活污水及渠道两厢垃圾、初期雨水等。项目配套引进了5台ISRI一体化污水处理装置，日处理量1900m<sup>3</sup>/d，为提升及维护学士渠水质提供了有力保障。等。项目配套引进了5台ISRI一体化污水处理装置，日处理量1900m<sup>3</sup>/d，为提升及维护学士渠水质提供了有力保障。

竣工时间	2017.12.12
处理规模	1900m <sup>3</sup> /天
选用工艺	改良AAO+污泥消减工艺
服务人数	1.5-2.5万人

The length of the black and odorous water body in Xueshi Canal spans 2500 metres, with the main infrastructures including drainage pipes, rivers, sewage treatment stations, roads, greening, and more. Prior to treatment, the channel was overgrown with weeds, seen with piles of domestic waste and its characteristic odour. The main sources of pollution came in the form of residential sewage discharge, aquaculture wastewater, trace amounts of industrial sewage, domestic sewage from the surrounding communities, rubbish left on channel hatches, and rain runoff. Our project has introduced 5 ISRI integrated sewage treatment units with a daily treatment capacity of 1900 metres cubed, guaranteeing the water quality of Xueshi Canal.

#### 长沙市岳麓区学士渠黑臭水体治理项目

Xiangtan Great Wall Canal Black and Odorous Water Treatment Project Shixue Canal  
Black and Odorous Water Treatment Project in Yuelu District, Changsha City



治理前\BEFORE

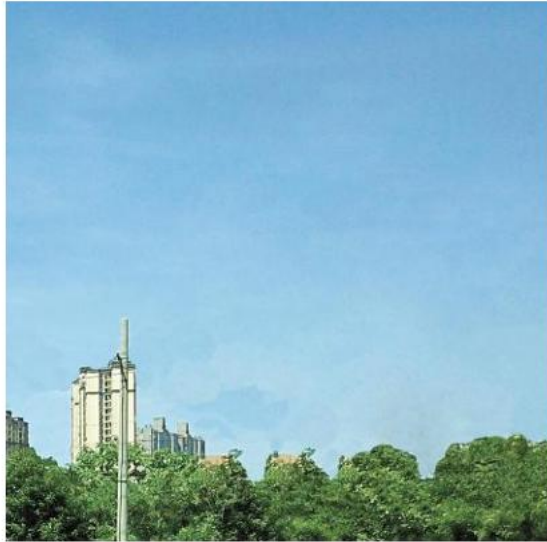
治理后\AFTER

## 河湖水质提升治理解决方案及实施

Lake body treatment solutions and implementations

### 云南省玉溪星云湖环湖截污项目

Lake body pollution interception project at Yuxi, Yunnan



### Yuxi Xingyun Lake pollution interception project in Yunnan Province

### 云南省玉溪星云湖环湖截污项目

#### 经典案例

- 云南玉溪星云湖环湖截污治理工程
- 岳麓区学士渠黑臭水体治理项目
- 开福区廖家渡黑臭水体治理项目
- 开福区王家湖黑臭水体治理项目
- 开福区四溇湖黑臭水体治理项目
- 开福区苏托垌黑臭水体治理项目
- 开福区白霞撤洪渠黑臭水体治理项目
- 开福区沙湖子黑臭水体治理项目
- 湘潭市长城二级渠黑臭水体治理
- 常德市新坡桥黑臭水体治理  
(该项目出水达到IV类水排放)
- 常德市陈家昏机埠黑臭水体治理
- 天心区双管子河、黑石铺河道截污治理
- 圭塘河水污染防治项目
- .....

#### CLASSIC PROJECTS

- Sewage Treatment Project of Xingyun Lake,Yuxi,Yunnan Province
- Black and Odorous Water Treatment Project of Xueshi Channel,Yuelu District
- Black and Odorous Water Treatment Project of Liao Jia Du,Kaifu District
- Black and Odorous Water Treatment Project of Wangjia Lake,Kaifu District
- Black and Odorous Water Treatment Project of Sier Lake,Kaifu District
- Black and Odorous Water Treatment Project of Su Tuo Yuan,Kaifu District
- Black and Odorous Water Treatment Project of Baixia Piehong Channel,Kaifu District
- Black and Odorous Water Treatment Project of Sha Hu Zi, Kaifu District
- Black and Odorous Water Treatment Project of Changcheng Class II Channel,Xiangtan City
- Black and Odorous Water Treatment Project of Xinpo Bridge
- Black and Odorous Water Treatment Project of Chenjia Hun Ji Bu Village,Changde City  
(The Discharged Water of This Project Can Reach Class IV Water Quality Standard )
- Black and Odorous Water Treatment Project of Shuang Guan Zi River and Hei Shi Pu River
- Black and Odorous Water Treatment Project of Guitang River
- .....

### 徐州铜山区棠张镇闫河生态治水工程项目

徐州铜山区棠张镇水系十分发达，河边种植和养殖场存在一直是困扰河道治理的难题。为进一步提升水环境质量，通过截污治污、面源污染控制等河道水生态修复，采用好氧+MBR膜处理工艺，有效改善河道两岸生态环境，项目出水水质达到《地表水环境质量标准》（GB3838-2002）Ⅲ类标准。

The river system of Tangzhang town, Tongshan district, Xuzhou is naturally developed. The riverside planting and breeding farms have been the challenge of river management. In order to further improve the quality of water systems, through the ecological restoration of river water such as pollution control and non-point source pollution control, the aerobic +MBR membrane treatment process, the ecological environment on both sides of the river was remediated successfully. The effluent quality of the project achieved the level III standard of "Surface Water Quality Standard" (GB3838-2002).

竣工时间	2022.3.6
处理规模	6000m <sup>3</sup> /天
选用工艺	好氧+MBR膜处理工艺
服务人数	6-8万人



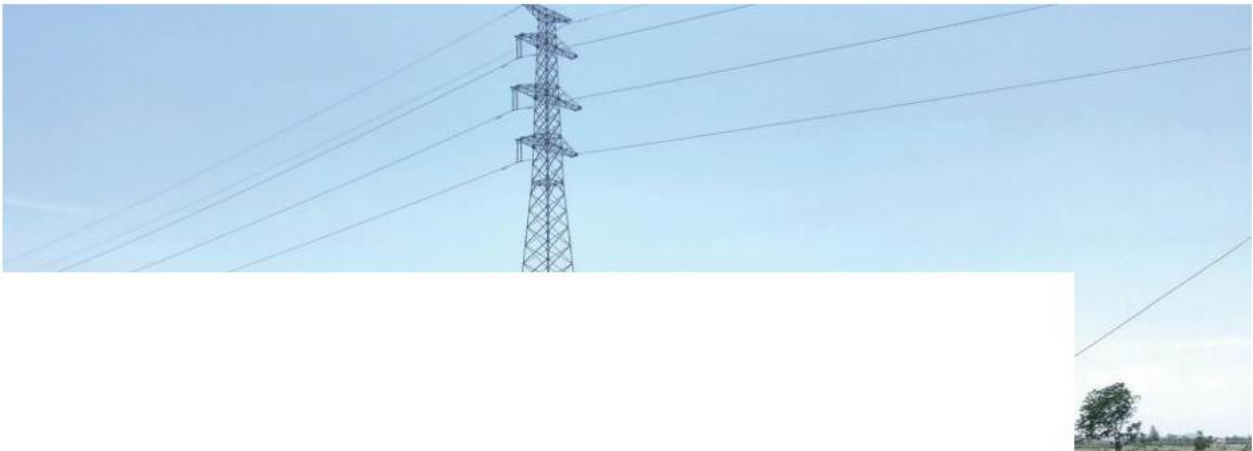
Yanhe Ecological Water Control Project in Tangzhang Town, Tongshan District, Xuzhou

徐州铜山区棠张镇闫河生态治水工程项目



Yanhe Ecological Water Control Project in Tangzhang Town, Tongshan District, Xuzhou

徐州铜山区棠张镇闫河生态治水工程项目



## 垃圾渗滤液N+1治理解决方案及实施

### 长沙县垃圾渗滤液处理项目

2022年，处于饱和状态长沙县安沙垃圾填埋场已实施全面封闭，为有效控制地下水污染，解决垃圾渗滤液有机物、氨氮、总氮和总磷超标等问题，强化有机物和氮磷去除，智水采用精滤+UF+RO处理工艺，解决有机物、氮、磷的去除，经过反渗透处理后的清液完全达标排放，出水水质达《生活垃圾填埋场污染控制标准》（GB16889-2008）一般地区排放标准及《污水综合排放标准》（GB8978-1996）中一级标准。

竣工时间 2018.7.5

处理规模 260m<sup>3</sup>/天

选用工艺 精滤+UF+RO

服务人数 2000-3000人

In 2022, the Ansha landfill in Changsha County has reached capacity. In order to effectively control groundwater contamination, address the excessive organic matter, ammonia nitrogen, total nitrogen and total phosphorus found in landfill leachate, and strengthen the removal of organic matter nitrogen and phosphorus, Wisdom Water adopts the filtration +UF +RO treatment process to solve the removal of organic matter, nitrogen and phosphorus. After our reverse osmosis treatment, the effluent fully met the domestic discharge standards - "Domestic Waste Landfill Pollution Control Standard" (GB16889-2008) and "Comprehensive Sewage Discharge Standard" (GB8978-1996).

治理前\BEFORE

治理后\AFTER

Liuyang Environmental Remediation Science Park Demonstration Sewage Treatment Plant

浏阳市环保科技园示范污水处理厂

## 工业废水N+1治理解决方案及实施

注:

- ①针对工业废水、养殖废水等废水采取N+1模式。
- ②预处理装置+一体化污水处理设备保证水质稳定达到排放标准。

### 稳定达到国家GB18918-2002一级A出水标准 Met the Chinese GB18918-2002 level A water standard

治理前\BEFORE

Adopting the "N+1" mode to address industrial wastewater and aquaculture wastewater.

Adopting pretreatment devices and ISRI sewage treatment devices to ensure water quality.

治理后\AFTER

大明湖工业园区污水处理项目

Daming Lake Industrial Park Sewage Treatment Project

## 大明湖工业园区污水处理项目

竣工时间	2019.5.28
处理规模	500m <sup>3</sup> /天
选用工艺	气浮+厌氧塔+改良AAO+混凝沉淀
服务人数	5000-10000人





## 热爱 Love What You Do

“工作将占据你生命中相当大的一部分，从事你认为具有非凡意义的工作，方能给你带来真正的满足感。而你想要从事一份伟大工作的唯一方法，就是去热爱这份工作。” —— 乔布斯

Your work is going to fill a large part of your life, and the only way to be truly satisfied is to do what you believe is great work. And the only way to do great work is to love what you do. —— Steve Jobs

# 环保装备制造与销售

Manufacturing and Sales of  
Environmental Remediation Devices



# DESIGN AND MANUFACTURE OF INTELLIGENT INTEGRATED WASTEWATER TREATMENT DEVICE (ISRI)

## 智能一体化污水处理装置 (ISRI) 的设计与制造

绿色、智慧、精准  
GREEN INTELLIGENT PRECISE

智水环境核心专利系列产品-ISRI智能一体化设备，专业为分散式污水处理提供解决方案。

涵盖农村分散分布式污水处理、乡镇污水分组式集中处理、城市无管网污水收集处理、河道截污就地治理。

ISRI系列产品真正实现了智能化水务管理，无需专人值守，远程一键操控，过程无臭气、噪音污染，专业解决农村污水处理“收集难、治理难、管理难”的现状。

Our proprietary product series of Wisdom Water ISRI offers professional solutions for decentralized sewage treatment.

ISRI covers decentralised sewage treatment in rural areas, concentrated sewage treatment in suburban areas, urban decentralised sewage collection and treatment, river pollution interception and local treatment.

ISRI product series achieves intelligent water management seamlessly. It realises remote management, achieving treatment without odour and noise, revolutionising rural sewage treatment.

检测报告



## 工艺流程、出水水质标准

Technological Process , Effluent Quality Standard

ISRI污水处理工艺:  
ISRI Sewage-Treatment Process:



## 稳定达到国家GB18918-2002一级A出水标准

Meet the national GB18918-2002 level A water standard

检测项目 Test Items	COD	BOD	SS	总氮 Nitrogen Amount	氨氮 Ammonia Nitrogen	总磷 Phosphorus Amount	PH
出水标准 Effluent standard	50	10	10	15	5 (8)	0.5	6-9

### 技术优势 Technical Advantages

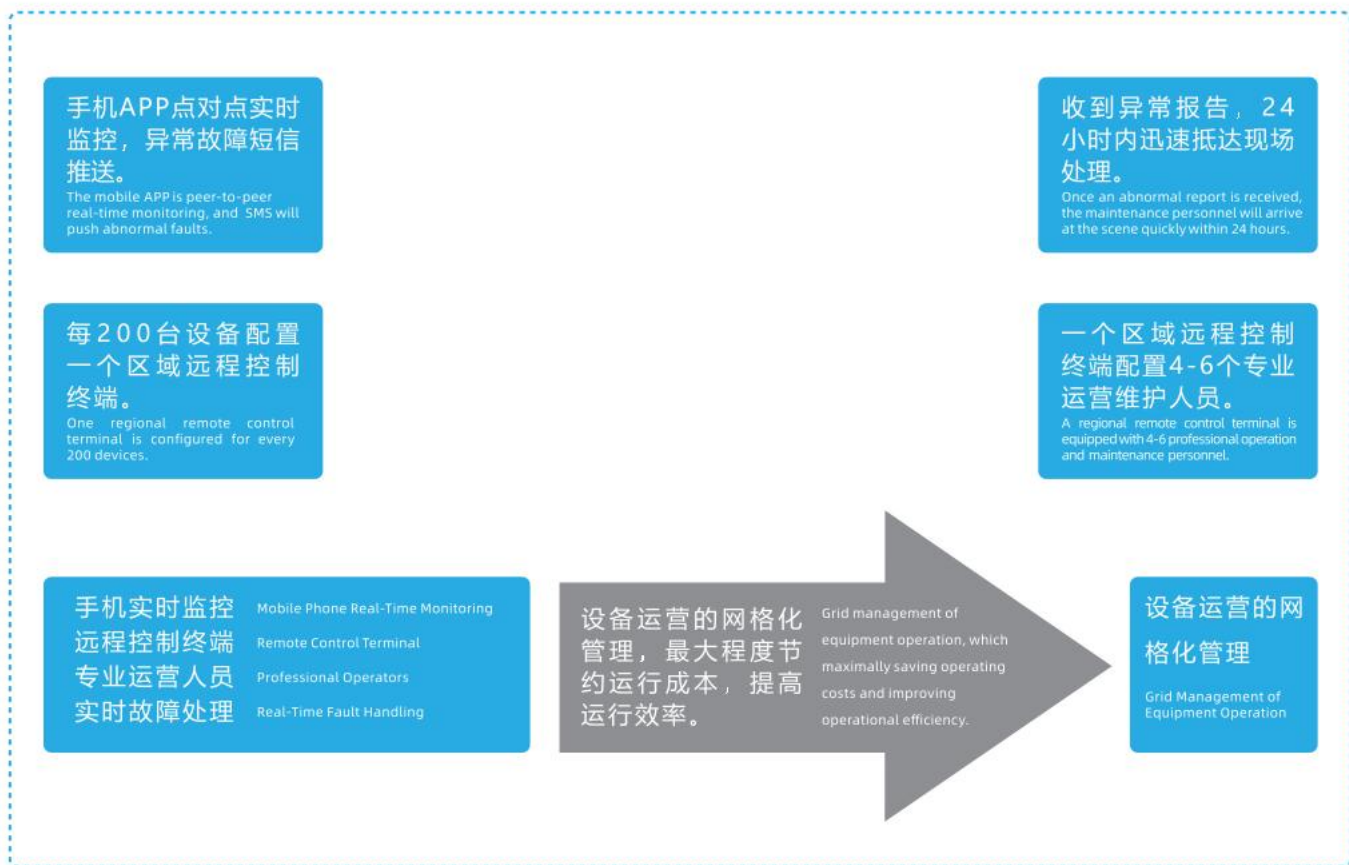


应急系统  
Emergency system

## 智能远程监控平台——手机端、电脑端



## 设备运营的网格化管理



设备出水达《城镇污水处理厂污染物排放标准》（GB18918—2002）一级A标准。  
The effluent from the device reaches level A standard - 《Pollutant Discharge Standards for Urban Sewage Treatment Plants》(GB18918 - 2002).

## 0.5吨户用污水处理装置的设计与制造

开创“污水处理装备家电化”先河，沿用改良AAO+污泥消减工艺，处理规模：0.5吨/天，适用于3-5人居住地，每天仅用1度电，出水稳定达到一级A标准并可全部回用。

The unprecedented "household electrification of sewage treatment equipment" continues to utilise our improved AAO+ sludge reduction process. Its treatment capacity of half a tonne per day is suitable for a population of 3-5. With as little as 1KWh per day in electricity consumption, a reliable effluent standard can be achieved.



户用ISRI污水处理装置

### 五大技术优势：（设计/模块化）

Technological Process、Effluent Quality Standard



不受位置限制，可摆放在室内外任何角落，装置到场安装进、出水管路，接电后即可运行。

Rapid deployment with only electrical power, treatment ingress, egress and an indoor environment required



采用程序控制，一键启动，首创自动化培养技术，全自动运行。

Bleeding edge automated bio-operation, requiring seldom intervention



工艺段多级回流，通过独特的腔体设计，污水在有效停留时间内充分进行反应，高效脱氮除磷。

Multistage treatment recirculation for optimised residence time with nitrogen and phosphorus removal



配置保温系统，确保冬季低温下生化系统稳定运行。

Optimised thermal controls ensure efficient operation in Winter climates



采用超静音气泵并在设备间安装吸音棉等隔音材料，达到噪声环境质量标准。

High acoustic efficiency achieved by the utilisation of highly efficient pumps and acoustic foam

## 车载环保装备的设计与制造



MANUF  
MARKE  
EQUIPA  
WATER

3 AND  
[AP  
WATER

## 自来水、直饮水、中水回用设备制造与销售

### 经典案例

湖南省财政厅  
湖南省妇幼保健院  
运达中央广场  
湖南省教育考试院  
怡海星城  
怀化四医院  
怀化中医院  
望岳小学  
浏阳河风光带  
湖天中学  
会同一中  
湖南艺术职业学校  
湘江涂料  
湘茶高科技产业园  
中医附二  
.....

### CLASSIC PROJECTS

Hunan Provincial Department of Finance  
Hunan Maternal and Child Health Care Hospital  
Yunda Central Square  
Hunan Provincial Education Examination Board  
Yihai Star City  
The Fourth Peoples Hospital of Huaihua.  
Traditional Chinese Medicine Hospital of Huaihua.  
Wangyue Primary School  
Liyang River Scenery Belt  
Hutian Middle School  
Huitong No.1 Middle School  
Hunan Vocational College of Art  
Xiangjiang Coating  
Xiangcha Hi-Tech Industrial Park  
The Second Affiliated Hospital of Hunan Traditional Chinese Medicine University  
.....



### 直饮水工程

Direct Drinking Water Project



### 智能垃圾分类车



## 慎独 Sima Guang Loves to Learn

君子慎其独，非特显明之处是如此，虽至微至隐，人所不知之地，亦常慎之。小如如此，大处亦如此，显明处如此，隐微处亦如此。表里内外，粗精隐显，无不慎之，方谓之“诚其意”。——朱熹

The superior man must be watchful over himself when he is alone, even in places that are invisible and where the public does not know, be as cautious as usual. Be cautious whether it is hidden, open, obvious, subtle, superficial or external, and this is called "sincere thoughts". ——Zhu Xi

# 市政及工业园区污水处理设计及建设

## Design and Construction of Municipal and Industrial Park Wastewater Treatment



### 浏阳市环保科技园示范污水处理厂

浏阳市环保科技示范园地处长株潭都市圈核心地带，随着园区排污量的增大，水质情况复杂，原有污水处理设施已无法满足要求，为彻底解决环保科技示范园工业废水的污染问题，增加处理规模5000m<sup>3</sup>/d的ISRI污水处理设备，选用MSBR工艺，保障整体园区工业废水达标排放，出水执行《城镇污水厂污染物排放标准》（GB18918-2002）一级A标准。

Liuyang Environmental Science and Technology Demonstration Park is located in the centre area of Changzhutan metropolitan area. With the increase in the amount of sewage discharged in its environs, its water quality has become compromised, with its original sewage treatment facilities failing to keep up with its new demands. In order to provide a long-term solution to the challenge of industrial wastewater treatment in the region, ISRI sewage treatment devices with a capacity of 5000 metres cubed daily are introduced, utilising our MSBR process. Together, they ensure the standard of industrial wastewater discharge, complying with the "Discharge Standard of Pollutants from Urban Sewage Plants" (GB18918-2002) Grade A standard.

Liuyang Environmental Science Park Sewage Treatment Plant  
浏阳市环保科技园示范污水处理厂



Liuyang Environmental Science Park Sewage Treatment Plant

浏阳市环保科技园示范污水处理厂

### 经典案例

大明湖工业园污水处理厂  
大王山南片安置房污水处理站  
浏阳市环保科技园示范园污水处理厂  
楚家湖污水处理厂  
湘茶高科技产业园污水处理工程  
益阳南大膳镇生活污水项目设计  
辰溪火马冲工业园污水处理工程  
.....

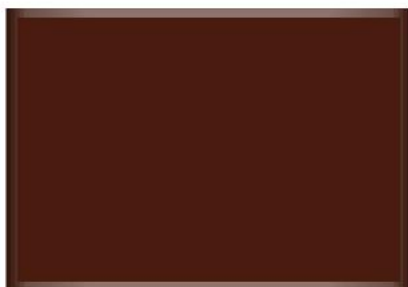
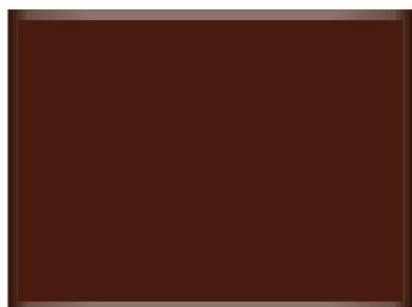
### CLASSIC PROJECTS

Sewage Treatment Project of Chujia Lake.  
Sewage Treatment Project of Daming Lake Industrial Park.  
Sewage Treatment Project of Nan Da Shan Town, Yiyang City.  
Sewage Treatment Project of Chenxi Huo Ma Chong Industrial Park.  
Domestic Sewage Treatment Project of Xiangcha Hi-Tech Industrial Park.  
Sewage Treatment Project of South Resettlement Housing, Dawang Mountain.  
The Project of Sewage Treatment Plant in Environmental Technology Demonstration Park, Liuyang City.  
.....

## 企业荣誉资质

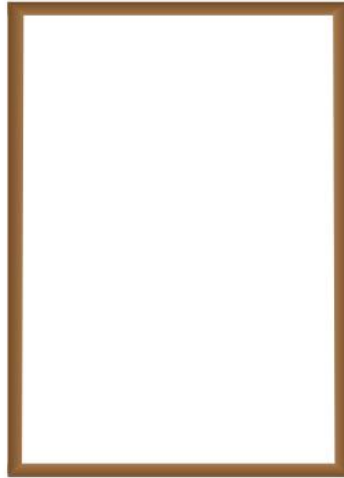
### 企业荣誉 部分

Enterprise Honours



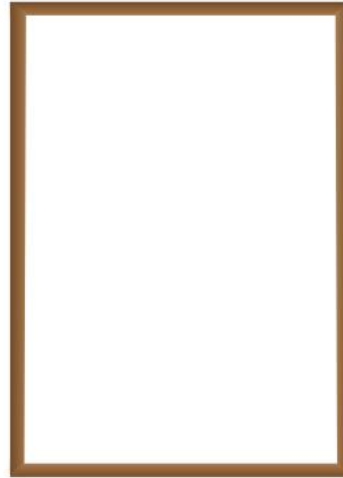
## 企业资质

Enterprise Qualifications



环保工程专业承包壹级

Environmental Engineering Professional Contractor Level 1



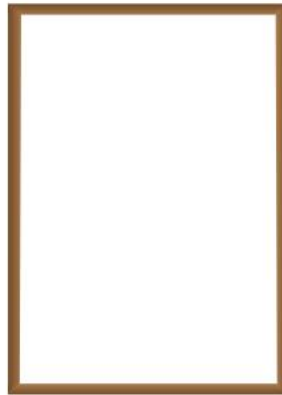
市政公用工程施工总承包叁级、机电工程施工总承包叁级、建筑机电安装工程专业承包叁级

General Contracting of Public Works, Mechanical and Electrical Engineering Level 1, Building Mechanical and Electrical Installation Level 3



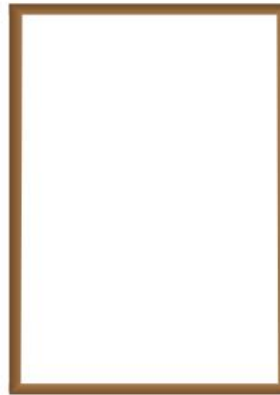
安全生产许可证

Production Safety Certification



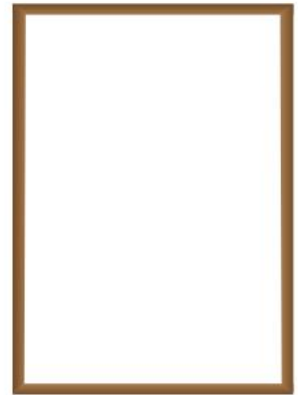
工业废水一级-污染治理设施运行服务能力评价证书

Industrial Wastewater Level 1 Pollution Control Facility Operation Certificate



生活污水一级-污染治理设施运行服务能力评价证书

Domestic Sewage Level 1 Pollution Control Facility Operation Service Certificate



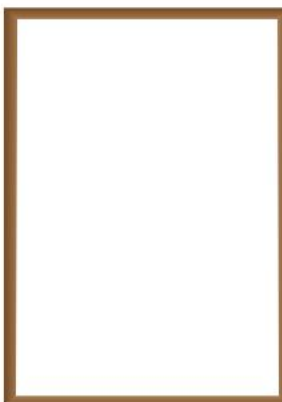
环保协会设计资质

Design Qualification of China Environmental Protection Association

## 管理体系 Management System



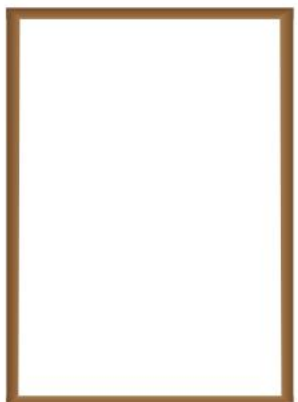
质量管理体系认证  
Quality Management Certification



环境管理体系认证  
Environmental Management Certification



职业健康安全管理体系认证  
Occupational Health and Safety Management Certification



两化融合管理体系评定证书  
Informatisation and Industrialisation Integration Management System Certification

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