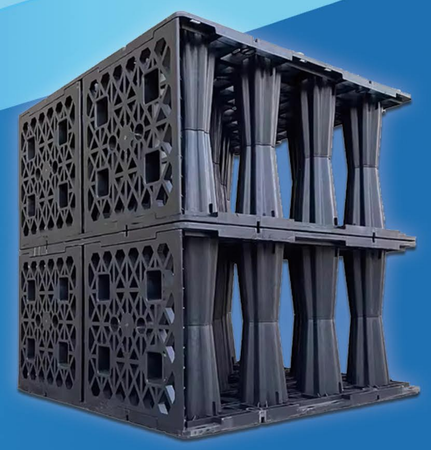
HONGLIANG®

RAINWATER COLLECTION MODULE BROCHURE

cooperate win-win
innovate develop



National Service Hotline: 400-6858-613
Company Address: 1701, Building 2, Zhongchuang Financial Street, Nancheng, Dongguan City, Guangdong Province
Factory Address: Room 102, Building 1, No. 82 Nange East Road, Daojiao Town, Dongguan City, Guangdong Province

Guangdong Hongliang Environmental Protection Equipment Co., Ltd.

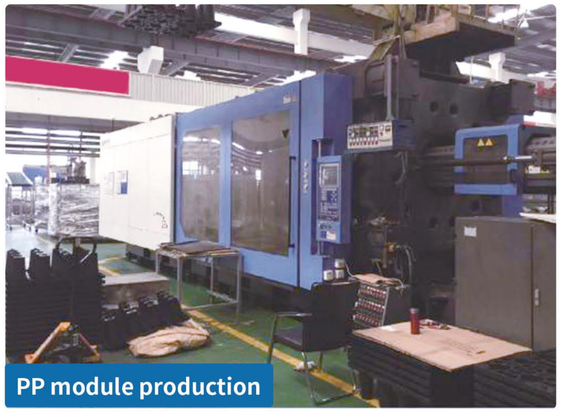
Factory building of over 20000 square meters

More than 400 employees

15 years of production experience

Received over 60 honors

Over 3000 successful cases



PP module production

ABOUT US

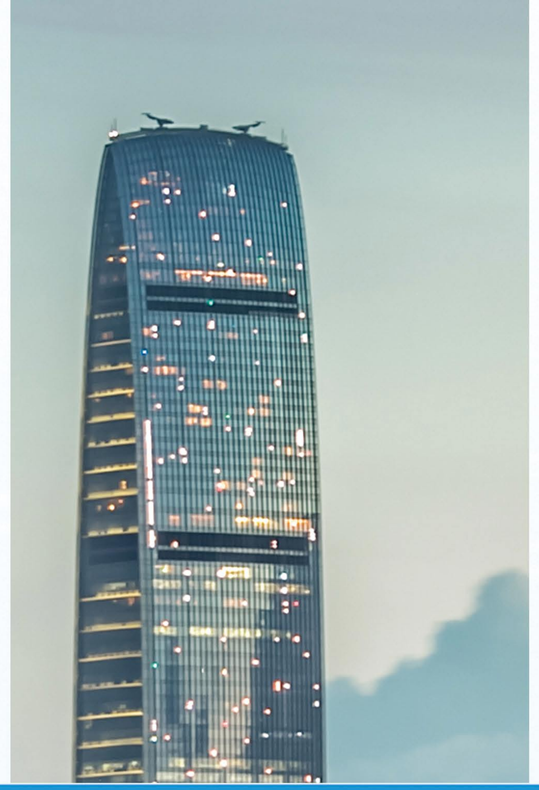
Guangdong Hongliang Environmental Protection Equipment Co., Ltd. is headquartered in Dongguan City, Guangdong Province, with its production base located in Dongguan City. The company and team have nearly 15 years of experience in rainwater collection and utilization, stainless steel water tanks, water supply equipment, intelligent control of water systems, and research and development, production, marketing, and on-site application of water system solutions. We provide one-stop water system solutions and high-quality products for multiple key construction projects, water conservancy projects, and industrial enterprises both domestically and internationally.

The company has its own production plant, with large injection molding machines producing 24 hours a day, with an annual output of over 100000 cubic meters of PP modules and an annual reserve of over 3000 cubic meters of PP modules. It is fully capable of achieving large-scale supply and has formed a strong upstream supplier system, providing strong support for the company's sales. At the same time, Hongliang has established a global sales and service network, a 24-hour service call center, and an influential accessory service platform in the industry, meeting the one-stop online procurement of accessories.

Hongliang continuously optimizes and develops its management system, technology research and development, market development, service philosophy, quality assurance, and has a good reputation in the industry. We provide our customers with first-class cost-effective services and products, and offer comprehensive and overall solutions. Design according to the actual situation, carry out precise and rigorous construction, ensure the smooth progress of rainwater engineering and sponge city construction projects, and save funds to the greatest extent possible.

CORPORATE CULTURE

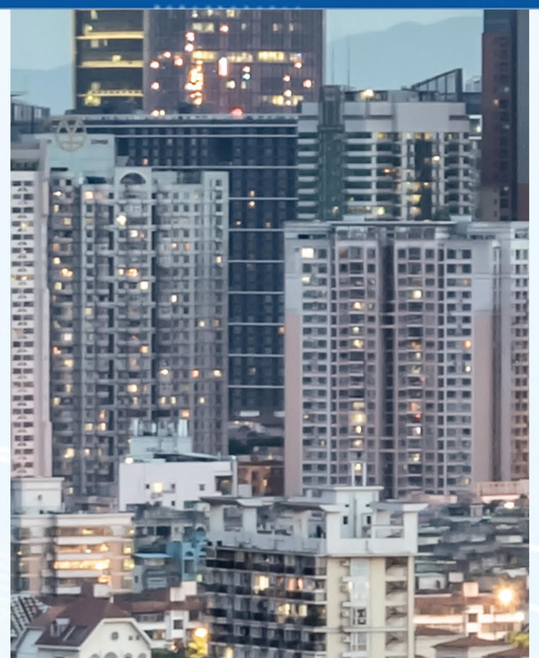
Our corporate vision is to pursue the material and spiritual happiness of all employees, while contributing to the construction of a green and environmentally friendly ecological environment through professional one-stop environmental engineering supporting services.



CULTURE

Corporate Mission
Becoming the world's most trusted environmental engineering equipment one stop comprehensive supporting service provider.

corporate values
Being a person: sincere, altruistic, positive and uplifting.
Doing things: Efficient collaboration results are king.
business philosophy
Innovation and Win Win Service First.



TEAM SPIRIT

QUALIFIED COMPLETE

Unified Social Credit Code
91441900081073059D

BUSINESS LICENSE

Name: Guangdong Hongliang Environmental Protection Equipment Co., Ltd

Registered capital: RMB 5 million

Type: Limited Liability Company (Invested or controlled by cultural persons)

Date of establishment: October 21, 2013

Legal representative: Cai Yanjuan

Address: Room 102, Building 1, No. 82 Nange East Road, Daojiao Town, Dongguan City, Guangdong Province

Business scope: General projects: Sales of gas and liquid separation and purification equipment; Manufacturing of gas and liquid separation and purification equipment; Sales of metal products; Sales of social structures; Sales of pumps and vacuum equipment; Manufacturing of pumps and vacuum pumps; Sales of landscape engineering; Sand rolling processing; sales of specialized environmental protection equipment; manufacturing of specialized environmental protection equipment; Manufacturing of specialized machinery and equipment for water resource management; Sales of specialized machinery and equipment for water resource management; Manufacturing of food processing equipment; Sales of other General utilization equipment; manufacturing of metal products for daily use; Sales of production, installation services for environmental sanitation and public facilities; manufacturing of sanitation and waste disposal vehicles; Sales of refrigeration and air conditioning equipment; Sales of valves and pipes; Sales of security equipment; Manufacturing of specialized equipment for food, alcohol, beverage, and tea production; Sales of mechanical and electrical equipment; Manufacturing of mechanical and electrical equipment; Wholesale of kitchenware, sanitary ware, and bath accessories; Engineering management services; Repair of general equipment; Installation services for ordinary specialized equipment; Engineering and technical services (including planning management, design, consultation, and supervision); Research and development of system solutions, system integration, system testing, and software development; Sales of electronic products; Sales of electronic components; Sales of computer software and hardware and peripheral equipment; Sales of electronic equipment; Sales of medical equipment; Sales of medical supplies; Medical consultation and medical services (excluding medical treatment); Development of environmental protection technology; Water pollution prevention and control services. (Except for projects that require approval according to law, conduct business activities independently based on the business license in accordance with the law)

Registration authority: Guangzhou Municipal Market Supervision Administration

September 25, 2023

National Enterprise Credit Information Publicity System website: http://www.gsxt.gov.cn

Market entities shall submit their annual reports for public disclosure through the National Enterprise Credit Information Publicity System from January 1st to June 30th each year

Supervised by the State Administration for Market Regulation

Certificate of Compliance

Certificate Number: CCTI-2024110703C

Applicant : Guangdong Hongliang Environmental Protection Kitchen Equipment Co., Ltd.
Address : Room 102, Building 1, No. 82, Nan'ge East Road, Daojiao Town, Dongguan City, Guangdong Province

Manufacturer : Guangdong Hongliang Environmental Protection Kitchen Equipment Co., Ltd.
Address : Room 102, Building 1, No. 82, Nan'ge East Road, Daojiao Town, Dongguan City, Guangdong Province

Product : Kitchen Equipment

Trademark : N/A

Model No. : HL-SS

Test Standard : IEC 62321-3-1:2013, IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-6:2015, IEC 62321-7-1:2015, IEC 62321-8:2017

The EUT described above has been tested by us and found in compliance with the council RoHS 2.0 Directive (EU) 2015/863 and (EU) 2017/2102 amending Annex II to Directive 2011/65/EU.
The certificate applies to the tested sample above mentioned only. It is only valid in connection with the test report number: CCTI-2024110703R.

RoHS

Manager
Nov. 16, 2024

Shenzhen CCTI Technology Co., Ltd.
Add: 102, 1/F, Block A, Building E, Yongwei Industrial Park, No. 118, Yongfu Road, Qiaotou, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Tel: 400-188-6662 0755-27235865 Email: cct@cct-lab.com Web: www.cct-lab.com
This Certificate of Conformity is based on single evaluation of the submitted sample(s) of the above mentioned product. It does not imply an assessment of the whole product and relevant. Directives to be observed.

QUALITY MANAGEMENT SYSTEM CERTIFICATION CERTIFICATE
Certificate number: ZRC24Q0241R2S
in witness where of
Guangdong Hongliang Environmental Protection Equipment Co., LTD
Uniform Social credit code: 91441900081073059D
Registered address: Room 102, Building 1, No.82, South Pavilion East Road, Daojiao Town, Dongguan City, Guangdong Province
Address: Sales Office, Room 102, Building 1, No.82, Nange East Road, Daojiao Town, Dongguan City, Guangdong Province
The quality management system is in line
GB / T19001- -2016 / ISO 9001:2015 standard
Certificate coverage:
Metal products (stainless steel water tank, BDF buried water tank, assembled water tank), environmental protection Special equipment (integrated intelligent pump room, FRP septic tank, sewagetreatment equipment, rainwater collection Set equipment), commercial kitchen equipment, water pump (domestic waterpump, fire pump latent pollution Pump), water purifier, water supply equipment (integrated pump station) sales
Issue date: August 29, 2024 Valid date: August 03, 2027
本证书的有效性陈述发证机构的之期监督获得保持
证书有效性可登录中国国家认证认可监督管理委员会网址www.cnca.gov.cn凡扫描二维码查询
广东中认联合认证有限公司
地址：佛山市顺德区容桂容桂街道容桂大道西2号中欧创新中心A座2305号之一
邮编：528315 电话：0757-22191198
签发人

OCCUPATIONAL HEALTHAND SAFETY MANAGEMENT SYSTEM CERTIFICATION CERTIFICATE
Certificate number: ZRC24S0210R2S
in witness where of
Guangdong Hongliang Environmental Protection Equipment Co., LTD
Uniform Social credit code: 91441900081073059D
Registered address: Room 102, Building 1, No.82, South Pavilion East Road, Daojiao Town, Dongguan City, Guangdong Province
Address: Sales Office, Room 102, Building 1, No.82, Nange East Road, Daojiao Town, Dongguan City, Guangdong Province
The established occupational health and safety management system is in line with it
GB / T45001-2020 / ISO 45001:2018 standard
Certificate coverage:
Metal products (stainless steel water tank, BDF buried water tank, assembled water tank), environmental protection Special equipment (integrated intelligent pump room, FRP septic tank, sewage treatment equipment, rainwater collection Set equipment), commercial kitchen equipment, water pump (domestic waterpump, fire pump, latent pollution Pump), water purifier, water supply equipment (integrated pump station) sales andthe occupation Health and safety management activities
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广东中认联合认证有限公司
地址：佛山市顺德区容桂容桂街道容桂大道西2号中欧创新中心A座2305号之一
邮编：528315 电话：0757-22191198
签发人

ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATION CERTIFICATE
Certificate number: ZRC24E0218R2S
in witness where of
Guangdong Hongliang Environmental Protection Equipment Co., LTD
Uniform Social credit code: 91441900081073059D
Registered address: Room 102, Building 1, No.82, South Pavilion East Road, Daojiao Town, Dongguan City, Guangdong Province
Address: Sales Office, Room 102, Building 1, No.82, Nange East Road, Daojiao Town, Dongguan City, Guangdong Province
The environmental management system is in line
GB / T 24001- -2016 / ISO14001:2015 standard
Certificate coverage:
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Issue date: August 29, 2024 Valid date: August 03, 2027
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证书有效性可登录中国国家认证认可监督管理委员会网址www.cnca.gov.cn凡扫描二维码查询
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邮编：528315 电话：0757-22191198
签发人

CERTIFICATE OF HONOR

证 书

广东宏量环保设备有限公司
贵公司生产经营的产品在全国优秀绿色环保产品调研入选活动中，符合《中国产品与品牌》入选准则，被荣选为：

中国优秀绿色环保产品
CHINA'S OUTSTANDING GREEN PRODUCTS

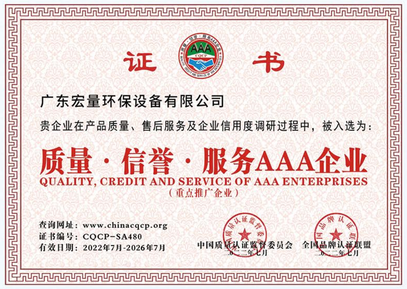
查询网址：www.chinacqcp.org
证书编号：CQCP-LS104
有效日期：2022年7月-2026年7月
中国质量认证监督委员会 全国品牌认证联盟

证 书

广东宏量环保设备有限公司
贵公司生产经营的产品在全国自主创新名优产品调研宣传活动中，被荣选为：

中国自主创新名优产品
CHINA'S INDEPENDENT INNOVATION FAMOUS PRODUCTS

查询网址：www.chinacqcp.org
证书编号：CQCP-CX591
有效日期：2022年7月-2026年7月
中国质量认证监督委员会 全国品牌认证联盟



证 书

广东宏量环保设备有限公司
贵企业在产品质量、售后服务及企业信用度调研过程中，被入选为：

质量·信誉·服务AAA企业
QUALITY, CREDIT AND SERVICE OF AAA ENTERPRISES
（重点推广企业）

查询网址：www.chinacqcp.org
证书编号：CQCP-SA480
有效日期：2022年7月-2026年7月
中国质量认证监督委员会 全国品牌认证联盟

荣誉证书

CPED
工程建设推荐产品
PROJECT CONSTRUCTION RECOMMEND PRODUCTS
（重点推荐产品）

证书编号：CPED-GC50491
有效日期：2022.09-2026.09
查询网址：www.cfmcped.org

HUNGLENG 广东宏量

广东宏量环保设备有限公司
“宏量环保”品牌系列产品，在不锈钢制品、生活水箱、消防水箱、不锈钢水箱、玻璃钢化膜池、供水设备、球墨铸铁井盖、不锈钢井盖、树篦井盖、水泵、恒压变频供水设备、无负压供水设备、智慧泵房、污水处理设备、膜制氧站、消防设备系列产品，在全国工建局设优质产品推选活动中，经审核推选为《工程建设推荐产品》。

中国冶金工业质量保证委员会 中国冶金建设协会

证 书

广东宏量环保设备有限公司
贵公司生产经营的产品在全国产品质量检验监督过程中，经审核被入选为：

国家权威检测、质量合格产品
NATIONAL AUTHORITY TESTING, QUALITY QUALIFIED PRODUCTS

查询网址：www.chinacqcp.org
证书编号：CQCP-HG425
有效日期：2022年7月-2026年7月
中国质量认证监督委员会 全国品牌认证联盟

证 书

广东宏量环保设备有限公司
贵公司在全国高新技术企业宣传推广活动中，产品质量、售后及品牌形象，经审核入选为《中国高新技术企业》。

中国高新技术企业
CHINA HIGH-TECH ENTERPRISES

查询网址：www.chinacqcp.org
证书编号：CQCP-GX173
有效日期：2022年7月-2026年7月
中国质量认证监督委员会 全国品牌认证联盟

编号：YXPP0016895

中国优选品牌
China Quality Brand

HUNGLENG 广东宏量

广东宏量环保设备有限公司
荣获商用组合水箱行业优选品牌行业

查询入口：中企网 国家发展和改革委员会主管 www.zhongqiowang.com
组织单位：中国国际品牌战略研究中心
《百强品牌》栏目组
中国优选品牌促证工作委员会
2022年07月20日至2026年07月19日

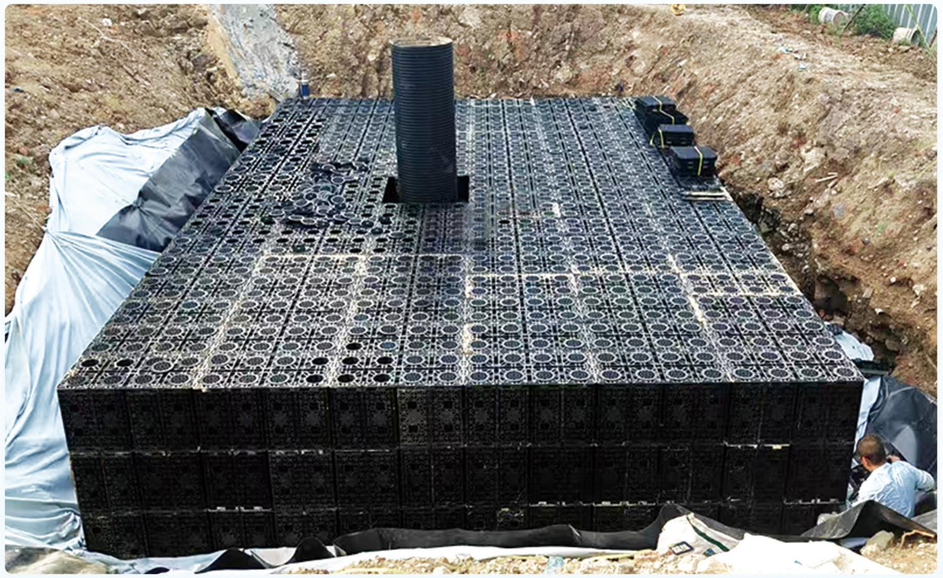
证 书

广东宏量环保设备有限公司
贵公司生产经营的品牌产品，经审核符合《中国著名品牌》入选准则，被荣选为：

中国著名品牌
CHINA FAMOUS BRAND

查询网址：www.chinacqcp.org
证书编号：CQCP-ZM767
有效日期：2022年7月-2026年7月
中国质量认证监督委员会 全国品牌认证联盟

RAINWATER COLLECTION MODULE PRODUCT DESCRIPTION

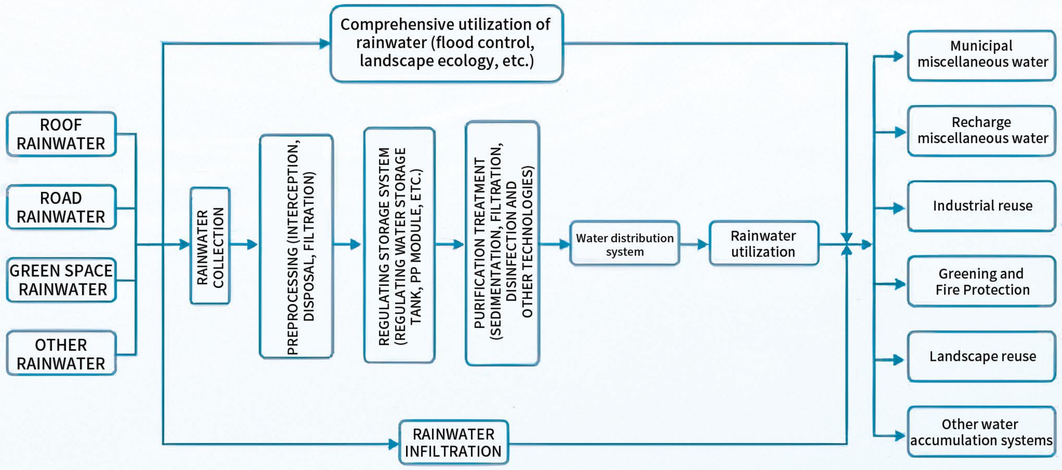


01 Design background

This product has functions such as rainwater collection and utilization, infiltration, and regulation, and is applied in municipal, water conservancy, construction, landscape and other engineering projects. Rainwater is first treated with interception, disposal, and filtration. Clean rainwater enters the module collection pool for storage, filtered and disinfected, and then goes to the clean water tank. After reaching the standard, the rainwater is pressurized by a reuse pump and sent to the water pipe network for greening, road washing, car washing, and other purposes.

1. In China out of over 600 cities nationwide, more than 400 cities suffer from water scarcity or even severe water shortages.
2. Urban water resources mainly focus on the development of surface and groundwater resources, and do not attach importance to the utilization of urban rainwater collection runoff, allowing it to be discharged.On the one hand, it causes waste of water resources; On the other hand, the massive discharge of rainwater has caused urban waterlogging. The groundwater level has been declining year by year, leading to urban water pollution and poor ecological environment.
3. Although there are some rainwater collection demonstration projects in China, they have not been widely promoted. Modern urban rainwater utilization developed relatively late in China. With the expansion of urban scale and the demand for rational use of water resources, it is urgent to establish a rainwater collection system as soon as possible.
4. The collection and reuse of rainwater resources contributes to the present and benefits future generations! Hongliang Company will maximize its professional expertise, unite as one, respond to the national call, contribute its own strength to the construction of sponge cities in China, and assist the great motherland in realizing the "Chinese Dream" as soon as possible!

02 Flow chart

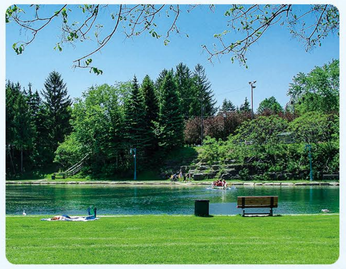


03 Application

School

Community

Farm



Park

Mall

Factory

04 Our product advantages

1、FLEXIBLE DESIGN

The plastic module combined water tank consists of multiple PP rainwater collection modules single unit combination, assembled into a whole on the construction site,and by wrapping anti-seepage materials, an underground water reservoir is formed.

2、CONVENIENT CONSTRUCTION AND SHORT CONSTRUCTION PERIOD

Due to the use of PP rainwater collection modules that are spliced together,construction is simple and does not require large mechanical equipment. On site group packaged in boxes, with a fast construction period and construction caused by weather conditions the probability of schedule delay is small.

3、FAST TRANSPORTATION

Adopting a split design, the module can be disassembled freely, saving valuable transportation space.

4、STABLE STRUCTURE AND STRONG BEARING CAPACITY

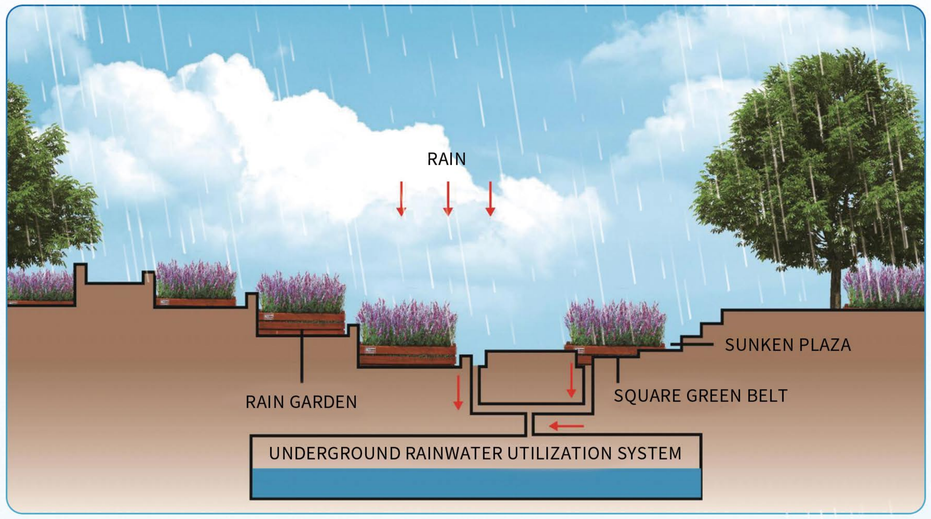
The module has a super strong load-bearing capacity, with different load-bearing capacities for the module under pressure, greenery, plazas, and pedestrian walkways can be built above the pool and lanes, parking lots.

5、EASY TO CLEAN

In the early stage of the system, there is an initial rainwater drainage well that can intercept large garbage and leaves through a sewage interception net. Install a high-pressure backwash system inside the module water tank, regularly clean and discharge sewage to ensure the cleanliness of the tank body

05 Rainwater infiltration system

Rainwater infiltration system refers to the infiltration of rainwater through various artificially constructed infiltration facilities in natural water bodies, ponds, wetlands, and low-lying areas, supplementing groundwater resources and improving the ecological environment.



06 Water quality indicators after rainwater treatment

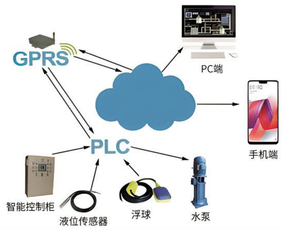
The treated rainwater should be reused for greening, and the water quality should meet the standards of "Urban Wastewater Reuse - Water Quality of Urban Miscellaneous Water" (GB/T18920-2002) and "Rainwater Utilization in Buildings and Residential Areas"（GB50400-2006）

Project indicators	Circulating cooling system	Ornamental landscape hydration	Greening	Road cleaning	Vehicle cleaning	Toilet flushing
CODcr(mg/L≤)	30	30	30	30	30	30
SS(mg/L≤)	5	10	10	10	5	10

07 Product device Introduction

RAINWATER COLLECTION INTELLIGENT CONTROL SYSTEM

Real time monitoring of the working status of various components in the rainwater management system, convenient user control; The picture is clear and more intuitive. Realize intelligence capable of control and remote central control.

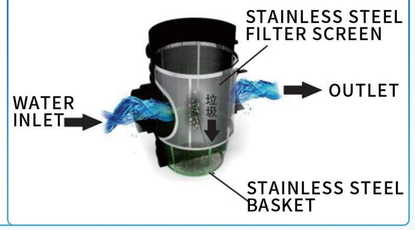


PP MODULE

PP material is a recyclable plastic that can be processed into new products after recycling, reducing environmental pollution. Durable, resistant to aging, high and low temperatures, and able to adapt to various harsh environments.

SEWAGE INTERCEPTION BASKET DEVICE

The product is made of PE finished material and is equipped with a basket made of stainless steel filter screen. It also has a built-in filter screen with a diameter of 2mm to intercept large garbage and leaves.



ABANDONED FLOW FILTRATION DEVICE

The product utilizes the characteristic of rainwater gravity flow to automatically separate garbage and water in rainwater, thereby obtaining cleaner rainwater.

PERMEABLE GEOTEXTILE

A permeable geosynthetic material made by needling or weaving synthetic fibers. Geotextile has excellent filtering, isolation, reinforcement and protection functions, high tensile strength, and good permeability.

INTEGRATED DOSING DEVICE

The dosing unit is primarily integrated as a complete set comprising a solution tank, metering pump, agitator, dosing piston, and other components. This all-in-one packaged system can significantly reduce both design and on-site construction workload.

MULTI-MEDIA FILTER

The multi-media filter utilizes filter sand to remove fine particles from water. As pool water passes through the filter, microscopic contaminants are trapped by the sand bed. The filtered clean water then flows out from the bottom of the filter, passes through the control valve, and is returned to the pool via the return pipe.

FULLY AUTOMATIC CLEANING FILTER

The fully automatic cleaning filter uses a filter screen to intercept solid impurities and particulate matter in water. When the dirt on the filter screen reaches a certain level, the system will automatically open the drain valve to clean the impurities on the filter screen.

RAINWATER REUSE ELECTRICAL CONTROL CABINET

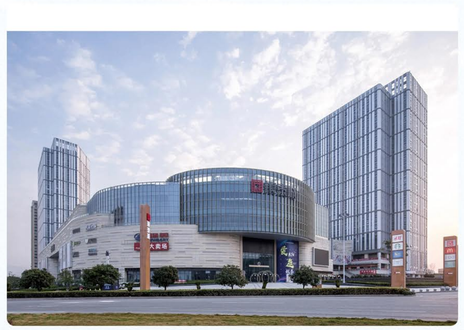
The rainwater recycling electrical control cabinet can automatically control the use of rainwater, allowing the system to work when there is sufficient or insufficient rainwater, making the entire rainwater system more energy-efficient and scientific.

INORGANIC ROOM BURIED FILTRATION SYSTEM

Deep filtration of rainwater with a filtration accuracy of 50-100 microns, followed by chlorine disinfection to prevent deterioration and odor of the water, pressure relief and return of water, and the treated rainwater returning to the pool.

Partial engineering cases

Youe Home Apartment



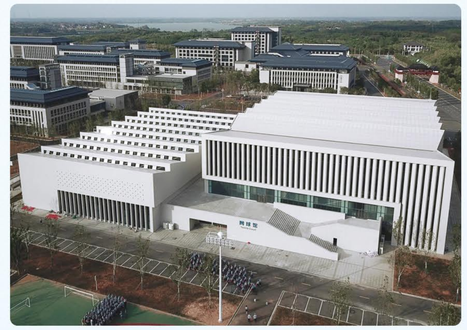
Dongyang Intime City

Fupu No-Till Garden Plaza

Wuming Campus of Guangxi Minzu University

Longhua District People's Hospital

Chengzhi Huating Community



Donghu College Gymnasium

Changxie Manufacturing Plant

Zhongshan Sports Park

Hengyang Intermediate People's Court

Zhengsheng Huafu

China Electronics Plaza

Part of the installation site

Nanning Power Grid Center

Nanniwan Nursing Home

Guangming District Minzhong School

New Nanshan International Hotel

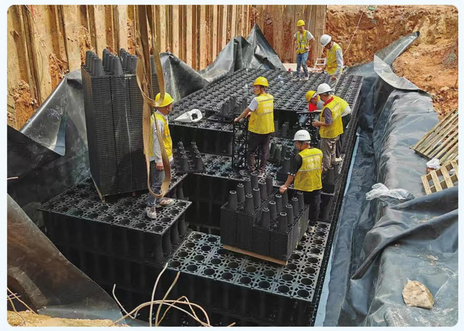
Guangzhou Medical University

Jinqiu Construction Company

Construction Process Diagram

1.Use an open foundation

2.Lay the geotextile and waterproof membrane layers.



3.Place PP modules inside the liner.

4.Wrap with waterproof liner and geotextile.

5.BACKFILL WITH SOIL

6.Construction completed

Our mission statement

1. Prioritize customer needs and provide high-quality and efficient services.
2. Maintain an honest, fair, and reliable service attitude and quality, and establish a good corporate image.
3. Pay attention to customer feedback, continuously improve service quality and enhance customer satisfaction.
4. Strictly abide by commitments, highlight the credibility and reliability of services.
5. To provide customers with comprehensive and personalized services, ensuring that their needs are met.
6. Continuously innovating and surpassing to bring more value to customers.
7. Always maintain a dedicated, professional, and responsible service spirit, providing customers with specialized services.
8. Respect customers, understand their needs, communicate sincerely with them, and strive for their trust and support.

After-sale service

1. After sales service personnel conduct regular follow-up visits to ensure the best use of the product.
2. Establish customer information files and jointly develop maintenance plans with customers.
3. Upon receiving a repair call from the customer, we will come to their doorstep as soon as possible to resolve the issue.

Partners and brands

Government agency

- Zhuhai International Convention and Exhibition Center
- Machong Fire and Rescue Station, Dongguan
- Nanjing Municipal Ecology and Environment Bureau
- Xi ‘an Municipal Bureau of Natural Resources and Planning
- Chongqing Yuxi Botanical Garden

Hospital

- Chongqing Fifth People's Hospital
- Yunnan Provincial Hospital of Traditional Chinese Medicine
- Nanchang Third People ‘s Hospital
- Fuzhou First Hospital
- Hangzhou Xinhua Hospital

School

- Wuhan University of Technology
- Guangzhou Normal University
- Shenzhen University of Electronic Science and Technology
- Guilin No.18 Middle School
- Zhejiang Chinese Medical University

Mall

- Hangzhou Xihu Intime City
- Suzhou Taihua Mall
- Nanning Nancheng Department Store
- Chengdu China Resources Mixc

Community

- Shenzhen Longgang Country Garden
- Shenzhen Ganghong Hanlin Huafu
- Zhengzhou Evergrande Health Valley
- Lingfeng Haoting in Hezhou

Hotel

- Guangzhou Libai International Hotel
- Changsha Oudijia Hotel
- Zhongshan Hongtai Hotel
- Hefei Golden Ring Hotel

China Overseas Property

China Resources Land

Poly Group

Wanda Group

Country Garden

Vanke Group

Hangjia Group

China Wuye Group Co., Ltd.

Fuyao Group