jìng jiǔ Environmental Protection

Eco-friendly, mobile, recirculating toilets

Eco-friendly infrastructure independent of city pipes

No sewage connection

- ◆Zero discharge.
- ◆Sewage flow loop
- ◆Built for long-term reliability in complex and extreme conditions



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WHAT IS JINGJiu

Understand Jingjiu at a glance

WHAT IS JINGJIU
Eco toilet

Off-grid system

Water Recirculation Toilets

Jingjiu Eco toilet Mix of **Eco-friendly**,**Clean water**,**Reuse water** Portable eco-toilet unit

In**Water and sewage access gaps**Achieve.**Sustainable solution**Offer dependable, eco-friendly infrastructure for tough situations.

Eco-friendly

Microbial synergy

Clean water

Purification stages

Reuse water

Recycle and reuse

INDUSTRY BACKGROUND

Manufacturing challenges

Traditional toilets face real challenges.

Hard to deploy in complex setups.

Dependent on city utilities

Flush toilets need sewer systems.

Unsuitable for construction.

Site unsuitable for excavation.

High septic maintenance costs.

High cost, frequent maintenance needed.

Weak environmental adaptation

Hard to operate in extreme conditions.

Risk of cross-contamination.

Traditional treatments can pollute.

Pain points

Traditional toilets
Complex settingWithUnique casesdown
Hard to meet needs

85%

Pipeline-dependent solutions

60%

O&M Cost Share

-30°C

Cold failure

3-5sky

Pump cycle

SOLUTION APPROACH

Jingjiu’s Solutions

Swap old systems for smart tech.

UseBio tech Decentralized system

A microbial mix breaks down waste internally, enabling full independence from sewage systems.

UseProcessing Eco-tankStructure

Multi-stage system replaces septic tanks, using bio- and membrane filtration for deep wastewater treatment.

UseLoop Internal recycling

Recycle treated water for flushing, enabling zero pollution and full water reuse.

UseModular items Modular building

Modular design: factory-built, ready-to-deploy, no on-site construction, faster, cheaper.

ABOUT JINGJiu

Company Introduction

Eco toilets, recycle wastewater.

Eco-tech equipment maker

jìng jiǔ Environmental Protection Company focus **Portable eco-toilet** and **Recycle wastewater** Eco-tech equipment innovator

Serving you**Solutions for tough environmental challenges.**We offer eco-friendly, sustainable toilets via biotech and smart design for areas without sewers.

Serve People

Sanctuary

TrueGreen systems

100%

Self-developed tech

0Emission

Recycled

-30°C

Cold-weather operation

24h

Round-the-clock

Tech advance

Build core tech independently

Design

Proven across scenarios

Eco-friendly

Clean, green energy

TECHNICAL FOUNDATION

TechTeamScienceHistory

SolidTechResearch-backed

Tech moves from lab to site.

CompanyExpertise in microbial degradation

Cultivate, apply, master core tech.

Collaborate with research institutions.

Industry-academia-research integration with continuous innovation.

InnovationExperts guide industry.

Experts ensure advanced core technology.

Completed.Applications and Validation

Projects running, tech proven.

Expertise

From Lab research To Design

Full tech transfer chain

10+ Research Partners	50+ Patent tech
100+ Case Study	5Year+ Stability Check

Tech History



Our team focuses on green tech R&D, manufacturing, and promotion. We've partnered with top universities worldwide, achieving breakthroughs in microbial degradation. After years of field trials across China, we developed region-specific composite microbial strains. Combined with innovative processing methods, these ensure product leadership and have earned us multiple national patents. In new composite materials, we independently created a super-cellular material—using aerospace-grade tech—for marine, oil & gas, healthcare, and defense industries. Building on this, we continue advancing sustainable innovation."Net long"The brand's products are widely used in public, social, and industrial settings, delivering strong social and economic benefits.

TECHNICAL FOUNDATION

TechTeamOverview

Liu Hongbo



Prof at Shanghai Tech, part-time at Tongji.

Top environmental expert, China Aerospace.

Scientist.

◆Projects: NSF-funded, hosted, or completed.

Gold·Tech R&D Program"11·5"

"12·5"National Water Project, Shanghai Key

Grand Research Initiative, Bill & Melinda·Philanthropy

Over ten top-level research projects, including Toilet Innovation.

◆2014Member, IWA since [year](IWA)Member

◆2018Shanghai Selected [year]"Dawn"Scholar, same year"Young Leaders Program(IVLPRing.

Eco-Health)";

◆2019Since 2010, served as expert on public toilet committee, China Urban Environmental Sanitation Association, and in Industrial Water Treatment.

Youth board, roles.

◆Recent years saw many high-level papers published.70Other articles, authorized patents5Publish monograph(Chapter)3This,

Environmental tech handbook editor(Associate Editor)Co-authored or reviewed3Domestic environmental standard(Guide);

◆Give invited keynote talks at conferences.5Repeatedly awarded."Best Oral Presentation";

◆Also edits for global publications.WaterHumanResearchOver 10 types SCIPeer reviewers

Yang Jianchu



Ecological scholar, crisis expert, global

Huzhou Normal University Ecological Chair

Wuling Mountain Env. Vice Pres.

Conservation Leader

◆Writer"Nature's wealth."Learn. Apply. Master.(CPC Central Party School Press)CO_2

Peak & Carbon Neutrality(CITIC Press).

◆Invited multiple times to join China's climate envoy, Xie Zhenhua, at major events.

CORE TECHNOLOGIES

Jingjiu's Three Core Technologies

Full system capability

Bio-composite Waste Breakdown Tech

Diverse microbes work together to break down waste, treat pollutants, and remain active and adaptable over time.

- Break down organics efficiently
- Long-lasting activity
- Adaptable

Advanced purification Heart pump

Toilet wastewater is cleaned through biological and membrane processes, turning it into reusable water for circular use.

- Multi-stage purification
- Membrane filtration
- Toilet flushing with treated wastewater

Smart automation Operation system

Sensors, controllers, and remote monitoring enable automated, real-time management for stable, efficient operation.

- Auto Control
- Live status tracking
- Remote Fault Alert

Synergy of key technologies.

Closed-loop system

Ensure stability

BIOLOGICAL TECHNOLOGY

BacteriaCoreTech

Review of Bio-Bacterial Co-Degradation Technology



Tech core

Complex microbial groups

Teamwork

Break down fecal organic matter efficiently

99%	6Month+
Decomposition speed	Daily microbial rhythm

System stability

01 **Microbes work together effectively.**

Strains with complementary functions synergistically degrade.

02 **Treat aerobic and anaerobic pollutants together.**

Hosts aerobic and anaerobic conditions for full pollutant breakdown.

03 **Breaks down waste efficiently.**

Speeds up breakdown of poop's proteins, fats, carbs.

04 **Microbes adapt well, last long.**

Engineered microbes for diverse, stable environments.

WATER RECYCLING

EndlessLoopMechanism

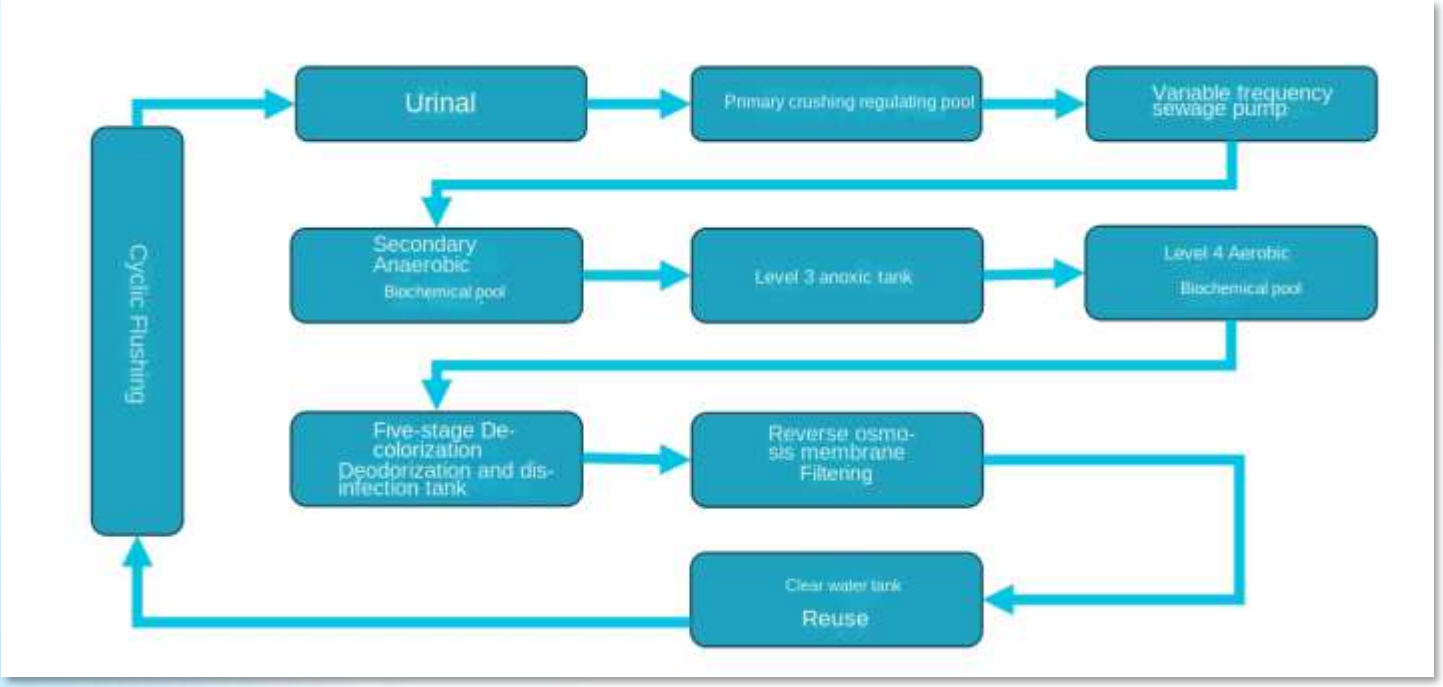
Treat and reuse for non-potable uses.

Closed loop

Treated wastewater reused for flushing.

95%
Reuse rate

0Emission
Recycled



System closed-loop processing

Toilet wastewater
Collect sewage and waste.

Biodegradation system input
Microbes break down organic matter.

Purified oil
Deep clean, remove impurities and odors.

Clear water reused for flushing.
Clear, transparent, reusable.

WATER RECYCLING

Advanced specs

ESShows-Features



Control microbial growth

Cultivated for treating human waste.
Microbes clean waste in communities.

Control Microbial Growth

Optimal environment for stable, active microbial growth; sensitive to temperature and...pHControl values to limit microbes.

Sediment remover

Natural settling and larger tanks improve sedimentation efficiency.

RO Membrane Filtration

Reverse osmosisMembrane technology removes impurities, improves water quality, enables reuse, and protects the environment.

Bleaching and Odor Removal

Treated waste discharged as water.
After treatment, it's recycled.

TREATMENT PROCESS

Jingjiu Sewage Treatment Process

Clear, controllable, reproducible



Sampling	Processing time	High purity	Fine filtration	Reusability rate
Gravity flow	48-72Hour	Tertiary treatment	10 nanometers	≥95%

NO PUMPING REQUIRED

Fix sewage at source.

Unique design, private, clean, smart.

NetSustainable plan

Complete waste breakdown and disposal.

Microbes break down organic matter in the system.

No excess sludge, no transport needed.

Organic matter fully breaks down, leaving no waste.

No tank needed.

Use biological systems instead of septic tanks.

Zero fecal waste operation.

Install once, run forever, no pumping needed.

Key benefits

FromFix root causePump issue

Goodbye.

Manual pumping

Price Check

Toilet Sewage Fee	¥120k–150kYear
NetLong-term maintenance costs	¥15,000–20,000/Yr
Savings	80%+

PRODUCT OVERVIEW

Visual product presentation

Jingjiu Eco-Toilet Overall Structure



Modular design

Compact box design

Prefab

Delivery

Lifting

Quick setup

Tailored look

Varied looks

Sturdy frame

Strong, dependable

Integration

Unified design

Modular engineeringItem

Integrated box structure

All systems in a compact, well-organized container.

Prefabricated, ready to install

Factory-assembled, debugged, just power on.

One-piece lift and move.

Standard size, crane-liftable, easy to move.

Customizable exterior

Colors, materials, and styles can be customized.

PRODUCT SERIES

ItemFeaturesModelSystem

Multi-model system

PS01Order



Integrated Wastewater System

K17City Star



Eco toilet: microbial flush

Lightweight



Military tech for field use

Adaptable for any use.

Stall layout

- Compact stall
- Dual toilet
- 多厕位配置

Grade

- Basic model
- Luxury model
- Custom model

Use cases

- War game
- Venue scene
- Scenic view
- Design challenge

Adaptable setup | On-demand tailored | Adaptation

PRODUCT SERIES

Visuals

K7Post system

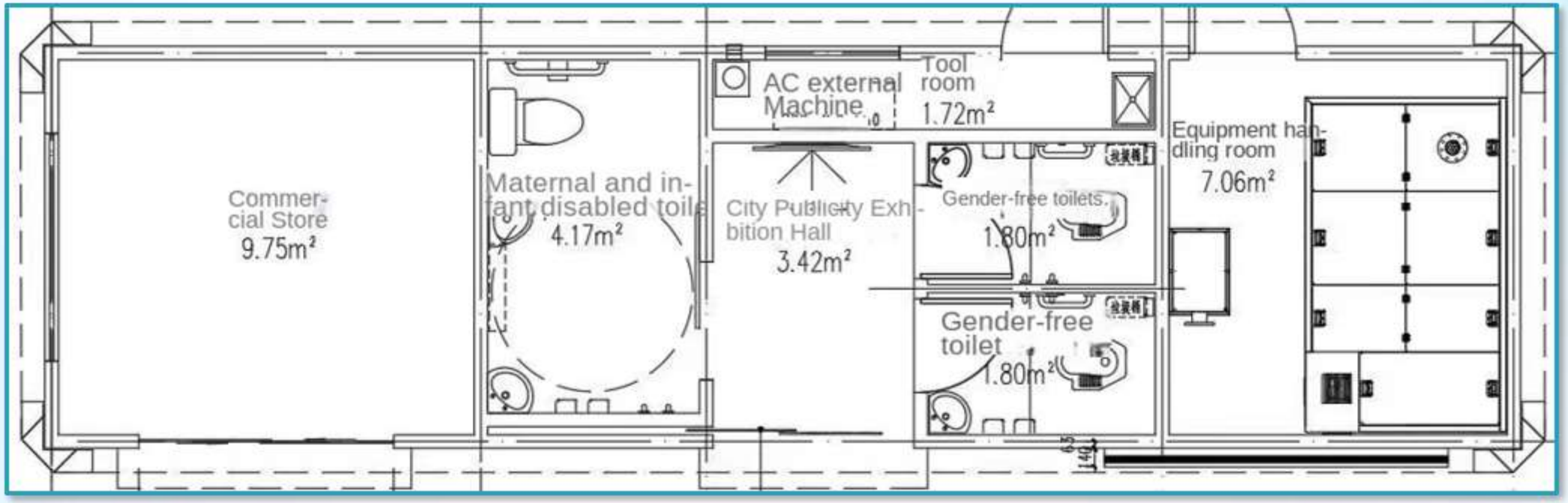


PRODUCT SERIES

Visuals

L12m × W3m × H3m K7Post office

Floor plan



PRODUCT SERIES

Visuals

K7Post office-Compact space





PRODUCT SERIES

Visuals

K7Post office-Health·Life·Void





INTERNAL STRUCTURE

ItemInsideStructure

Key system parts

Wastewater Module

Handles wastewater collection, pretreatment, and initial purification for biological breakdown.

Bioreactor Module

Core unit degrades and transforms organic matter.

Clear Water Storage & Circulation

Store and reuse treated water for flushing.

Smart Control System

Sensors, controllers, remote monitoring for automated, monitored operation.

Flexible | Teamwork | Low maintenance

ENVIRONMENTAL ADAPTABILITY

Materials & Adaptability

Surviving extreme conditions Design

Long-term stability.

Corrosion- and age-resistant material.

Durable, corrosion-resistant, versatile.

Survives extreme conditions.

Works in -30℃ to 60℃, humid-friendly.

Excellent insulation and seal

Double-layer insulation maintains stable temperature.

Maintain stable microbial balance.

Optimal temp: 25–30°C, humidity: 60–80%.

Harsh conditions

For Busy scene Design

Make sure to in Harsh terrain Next

Stable operation

-30°C

-40°C

60°C

Max operating temp

IP65

IP Rating

10Year+

Design service life

APPLICATION SCENARIOS

AppSceneOverview

Jingjiu Eco-Toilet Applicable Scenarios

Handles complex environments

High desert Gobi

Portable, eco-friendly toilets for remote, off-grid areas.



Oil drilling camps

Durable, clean, portable restrooms for field workers.



Field Training & Shelter

Meet rapid deployment needs; ensure basic sanitation in military and rescue ops.



City Walks & Attractions

Eco-friendly, clean restrooms that blend with city beauty.



Full coverage

Flexible adaptation

Trusted

ENERGY INDUSTRY CASE

Energy ApplicationsCase

Energy & Oil Applications

Standard

ServiceCNPC Sinopec

Commonly used

Drilling Campsite

50+

Items

3Year+

Stable operation

100%

Happy customers

Accident

Safe use



Proven under stress

Serving PetroChina and Sinopec projects

We demand top-tier equipment in energy sector.

Common in drilling, camping.

Operate reliably off-grid at remote sites.

Not connected to utility network.

Runs independently, no external support needed.

Stable, easy maintenance.

Highly automated, low maintenance.

AEROSPACE CASE

SpaceStartWarranty

High-reliability aerospace software



Durability under stress

Scenarios related to space launch servic

Health support for space launches.
Hard

Extreme environment resistance

Coastal extremes test equipment durability.

High density, sudden load surge

High crowd, frequent use during launch.

System stable, tasks running.

Stay strong, keep the mission on track.

High-grade

Endure Harsh environments Test
Reach Aerospace-grade
Quality assurance

45°C Hot zone	90% Humid
3x Load surge	100% Support

MILITARY & EMERGENCY

armyTeamEmergency appsScene

Defense & Crisis Response

Quick fix

Quick setup

Easy setup

Quick help

2h

Quick setup

Building

Simple setup

24h

Round-the-clock

100%

Self-run



Quick setup, ready to go.

Field-ready training

Provide sanitation support for military field training across diverse terrains.

Emergency Shelters

Provide quick sanitation in disasters.

Simple setup needed.

Level the ground.Bonus10Cubic approxH2OPlug in, start using.

Plug in, start using.

Simplify deployment, act fast.

URBAN & TOURISM

City & Culture TravelScene

Urban cultural spaces



Function meets nature

Pedestrian zones, scenic spots

Urban spaces & attractions
Eco-friendly, clean restrooms.

Preserve ground integrity.

Lift and place carefully, no damage.

No impact on landscape.

Visually adaptable, blends naturally.

Later, reuse whole.

Flexible, movable, repositionable, reusable.

Green

Functionality balanceWith
Eco Sync
Improve city life

Scenic Application

Improve visitor experience

Walkway App

Helping all

Tailored look

Varied looks

Portable

Adjust position flexibly

WATER QUALITY

Water Testing & Compliance

Wastewater Treatment Test

Certified

Beyond Third-party testing

Agreeing 国家标准

Secure

GB

Standard

95%

Compliance Rate

100%

Safe use

Pollution

Green

Safe, compliant, recyclable

Third-party water testing.

Use a trusted lab for water testing.

Standards-compliant indicators.

COD, BOD, ammonia nitrogen all comply.

Reused for toilets.

Clear, odorless, flush-safe water.

Safe and reliable operation.

Proven stable and reliable.

WATER QUALITY

Water Reuse Standards

Adopt(GB1898-2002)SimpleACity standard
Clean, safe, meets reuse standards

	Test items	Unit	Standard value
H_2O Good Tip Mark	PHValue		6.0-9.0
	Chromatography		≤ 30
	Smell		Comfortable
	Turbidity (NTU)		≤ 5.0
	TDS	mg/L	≤ 1500
	BOD5BOD)	mg/L	≤ 10
	NH_3-N	mg/L	≤ 10
	Cationic surfactant	mg/L	≤ 1.0
	Iron	mg/L	≤ 0.3
	Mineral	mg/L	≤ 0.1
	Oxygen in water	mg/L	≥ 1.0
	Residual chlorine	mg/L	Contact30minAfter≥ 1.0 Return ≥ 0.2
	ColiformsCFU)	/L	≤ 3.0

TECHNICAL SPECIFICATIONS

CoreSpecs

High-performance design

Speed

Various specs

150–200 uses	60–80 visits
Toilet stall capacity per day	Visits: 300–1500

Adjusts to room temp

Wide Temp Operation

-40°C	-30°C
Max operating temp	60°C

Power use

Energy-efficient

Rated power	1-3 kW
Power use	20-50 kWh

O&M costs

Controlled cost

O&M Costs	15,000–20,000 yuan
Faster, cheaper, simpler	Save 80%+

COMPARISON

Jingjiu Eco-Toilet vs Traditional Toilets Comparison

Clear difference.

Size	NetSustainable plan	Standard fix
High demand	No sewage. Full breakdown	High maintenance Once daily
Pollution	System flow Clean energy	Pollution Connect to water network
Mobility	Portable Easy setup and move	Stable build Fixed
O&M costs	Lower long-term costs Save 80%+	High costs High costs

PARTNERS

Clients & Partners

Long-term cooperation, validated engineering

Top energy enterprise

China National Petroleum Corporation

Oil giant

Sinopec

Collaborative research

Chinese Academy of Sciences
CHINESE ACADEMY OF SCIENCES

Eco leader

Everbright Environment
EVERBRIGHT ENVIRONMENT

CIMC

Agency collaboration

灵溪镇人民政府
龙泉镇人民政府

中国人民解放军
西藏军区

Community Service

Care-way LOGISTICS

Jiangsu Baoli Assembled Residential Industry Co., Ltd.

Partnership | Test verification | Trust.

RECOGNITION

TechHonorPowerfullySupport

Tech Wins, Acknowledged

Genuine, traceable, verified

Techs winning science awards.

Innovations honored by industry and gov.

Patented & tested

IP rights protected by law.

Multi-project stability test

Proven, reliable, and mature.

Official approval

Real,Searchable,Proven

Innovations

Durable

50+	10+
Patent	Test Report
5+	100+
Tech Award	Case Study

ABOUT JINGJiu

Certified





ABOUT JINGJiu

Certified


质量管理体系认证证书

苏州净久环保科技有限公司

GB/T 19001-2016 / ISO 9001:2015

认证范围

生物降解生活污水处理设备制造（环保厕所的制造）


环境管理体系认证证书

苏州净久环保科技有限公司

GB/T 24001-2016 / ISO 14001:2015

认证范围

生物降解生活污水处理设备制造（环保厕所的制造）

所涉及的相关环境管理活动


职业健康安全管理体系认证证书

苏州净久环保科技有限公司

GB/T 45001-2020 / ISO 45001:2018

认证范围

生物降解生活污水处理设备制造（环保厕所的制造）

所涉及的相关职业健康安全管理活动

VALUE PROPOSITION

Summary of Jingjiu's Comprehensive Value

Why Choose Jingjiu Eco-Environmental Solutions?.

Mature, reliable system

After years of development, the technology is now mature, stable, and reliably used in multiple projects.

Thriving in Extreme Conditions

Built for extreme conditions: high cold, heat, humidity; stable across diverse environments.

Scalable, replicable, deployable

Modular, prefabricated, standardized—fast, scalable, adaptable.

Long-term value

Low costs, high ROI, sustainable value—truly eco-friendly infrastructure.

- Trusted
- Adaptation
- Replicate scale
- Long-term value

jìng jiǔ Environmental Protection

Integrate toilets into green infrastructure.

Let's cooperate.

Consulting & Tech Exchange

Phone:13801886062

Email:137633127@qq.com

Advanced Trusted Green