



Innovative Toilet Solutions

Today's solutions for
tomorrow's problems



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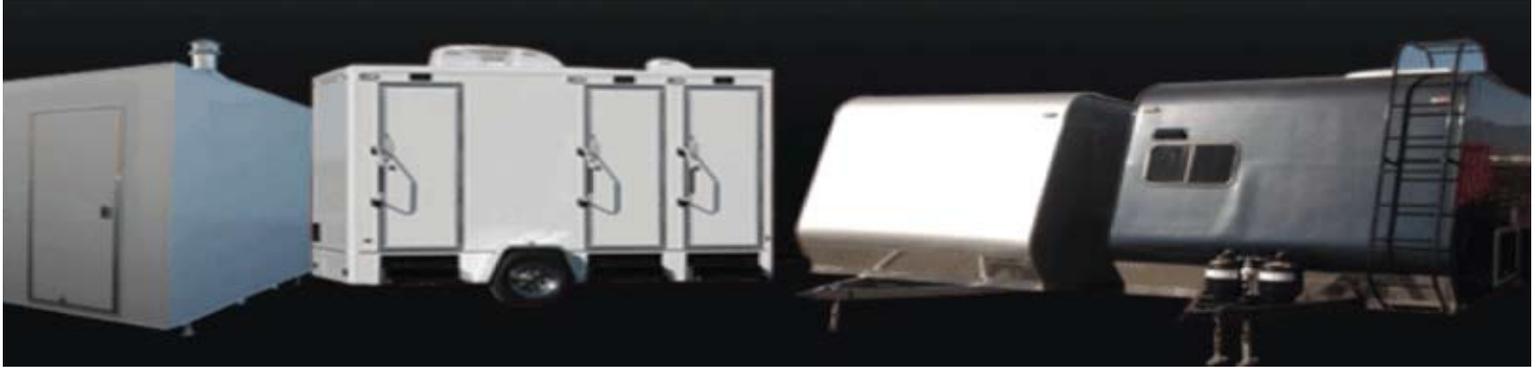
About Us

Global Inventive Industries (GII) is the exclusive manufacturer of ECOJOHN® - a product line that consists of incinerating toilets, toilet waste combustion systems, composting toilets, and mobile restrooms/offices. The ECOJOHN® products are the ideal bathroom/toilet solution for remote or temporary applications.

Due to the efficient design, ECOJOHN® is superior where there is no power or water available, or where septic tanks are restricted, or simply in situations where a regular toilet is too costly or difficult to install.

GII continues to enhance and develop its products through a combination of company values and customer-focused design. Our products are built to last and provide superior efficiency; every ECOJOHN® that leaves our factory is a clear indication of an absolute commitment to quality and design for which we are very proud. From the beautiful design and sparkling look, to quality built stainless steel parts; all reflects the meticulous attention to details. You will rapidly notice why ECOJOHN® has received a reputation as the premiere brand for toilet solutions.

Mobile Restrooms & WorkForce Trailers



All manufacturers mobile restrooms, workforce units, and office trailers that are ideal in remote or temporary applications. Our units are typically equipped with one or several of our incinerator models. This makes these mobile restrooms ideal for work sites, oil and gas drilling, sporting events, military bases, disaster areas, etc.

We have the capability to custom build units for very special applications; or we can build standard units that are more cost effective and basic. If it needs to be installed in a tough environment, we can handle that as well. Just let us know what your requirements are and we will help you.

How the ECOJOHNS differ

What makes our restrooms/buildings different is that we have the ability to provide our units with an efficient incinerating technology. By installing our ECOJOHN toilets or waste combustions systems, one can eliminate costly and unpleasant pump outs. In addition we also install solar systems and waterless or low flush toilets that conserve electricity and water. We strive to build mobile restrooms that are efficient, reliable, sanitary, and at the same time very eco friendly.

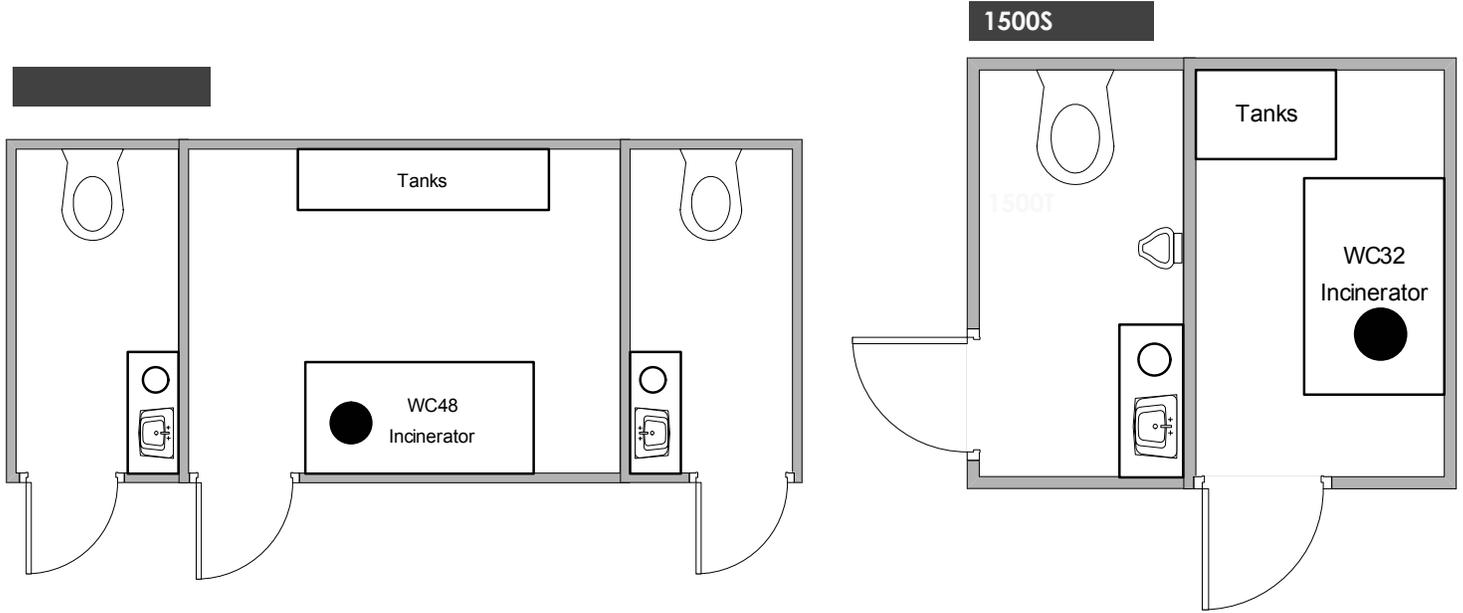
Advantages:

- Very clean and upscale toilets compared to today's unpleasant porta-potties
- Doesn't require any pump outs of waste holding tanks
- Can be operated with water toilets or waterless toilets
- Mobile units that can be moved from site to site
- Very little maintenance - Refill water, add diesel fuel, or propane
- Can be powered by 12V DC with solar panels or 120V AC

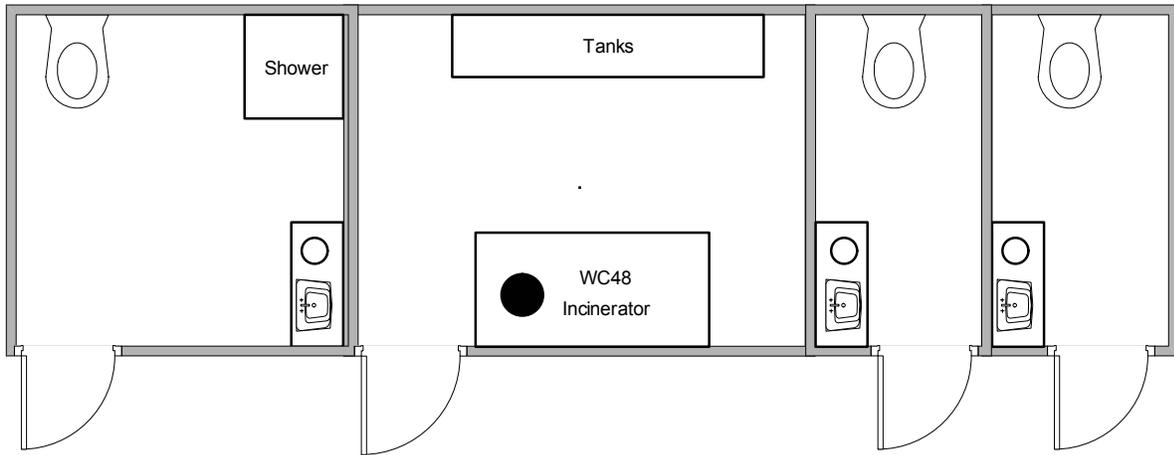
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Mobile Restroom

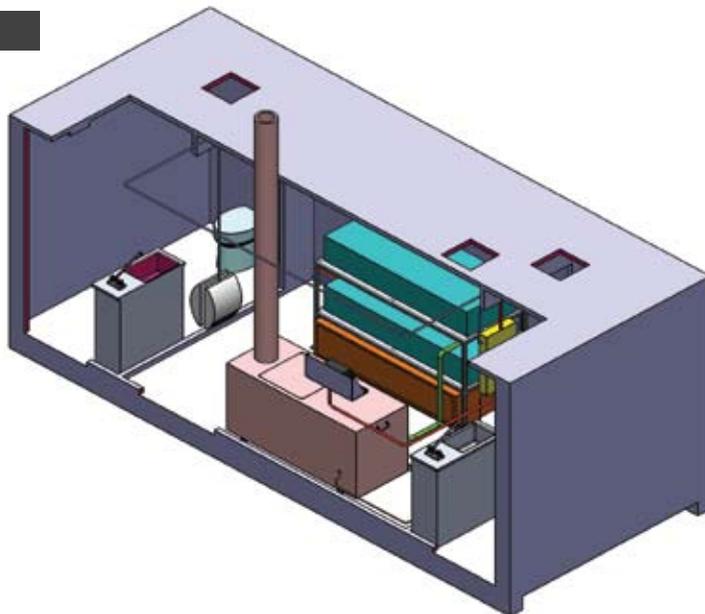
Example of Layouts



3600S+Shower



2600T



WC Series toilet waste combustion systems

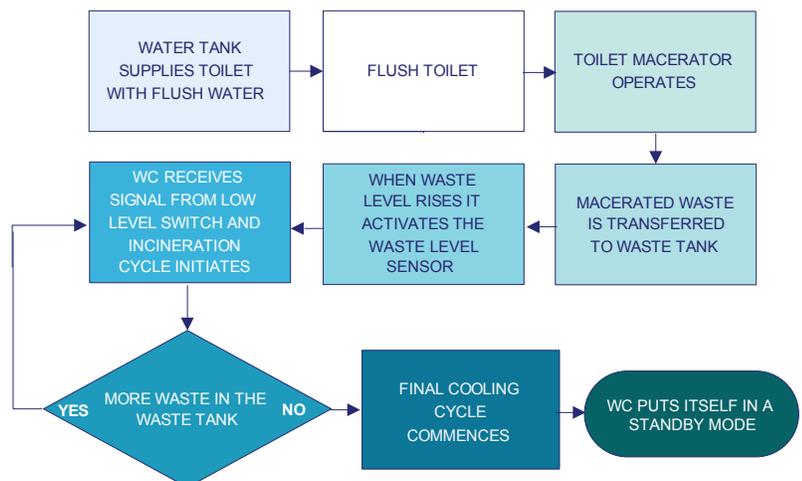
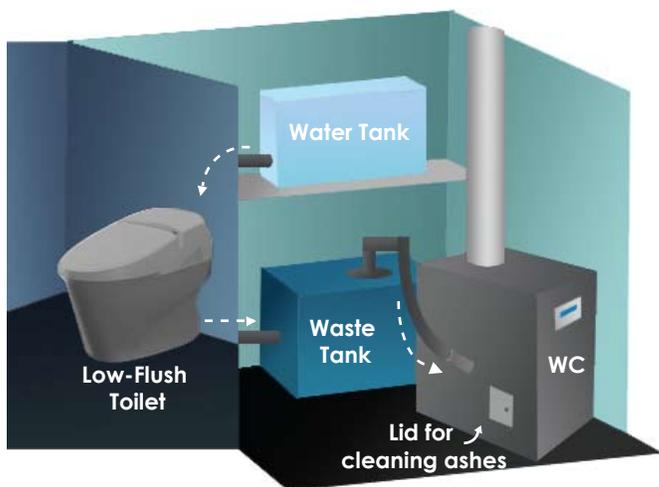


The WC Series consists of a few different WC models: WC5, WC32, and WC48. These systems are ideal in any remote application where a conventional toilet is too expensive or difficult to install. Since the WC units incinerate the black water, there is no need for pumping out any tanks or connect to a septic or sewage system. The WC systems operate along with one or several low flush toilets; grey water from sinks or showers can also be tied into to the system.

How the system works

After flushing the toilet, the low-flush toilet dissolves the waste with the built in macerator pump before transporting it into the waste holding tank. Only 0.3-0.5 gallons of water is being consumed. If a regular 1.28 or 1.6 gpf is desired, one can also connect those. Inside the holding tank, a sensor reads the level of the tank. Once a certain level has been reached, a portioned amount of waste gets transferred by another waste pump into the WC incinerator. The incineration process takes a few minutes depending on model. If there is still waste in the waste tank, the pump will automatically portion another batch of black water into the incinerator. This process is continuous for as long as the sensor signals that waste is in the tank. Once the tank is empty, the WC models set itself in a standby mode until the sensor signals that more black water in the holding tank and the incineration process starts over. WC Series may also be set in a manual mode or timer mode.

As shown in figure below, the WC incinerator is just one part of a complete WC system. In addition to the incinerator, a water tank, a low-flush toilet with a macerator pump, a waste tank, fuel (Propane, Natural Gas, or Diesel), and 12V DC or 120V AC are required.



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WC Models

MODELS	FUEL	BURNING CAPACITY
WC5	Propane	1 gal/hour
WC32	Propane	2.5 gal/hour
	Natural Gas	2.5 gal/hour
	Diesel	2.5 gal/hour
WC48	Propane	5 gal/hour
	Natural Gas	5 gal/hour
	Diesel	5 gal/hour



The waste combustion is controlled by a circuit board that can be set in manual or automatic mode. It can also be programmed to start at a certain time (i.e. midnight). In addition it indicates the fluid level in the tanks, temperatures, service time, and more.



WC5 Model

A great advantage of installing this system is that one can install multiple toilets to one system, which makes the system more cost effective. It is also possible to upgrade the size of the tanks if needed. This is typically done when usage is higher. By having larger water and fuel tanks, refilling the tanks doesn't need to be done as frequently. By having a larger waste holding tank, the max capacity of the system increases.



Larger or additional WC incinerators can also be added to the system to increase the amount of waste burned per hour. The system operates with one or multiple low flush toilets (0.5 gpf). Standard 1.6 gpf can also be used if preferred. It can be connected to existing installed toilets as well.



Applications

Cabins / Guest and Pool houses / Military / Disaster situations / Construction Work sites / Trains / Barges / RVs / Remote Camp sites / Mobile offices / Barns Oil Platforms



SR Series

waterless incinerating toilets



SR5

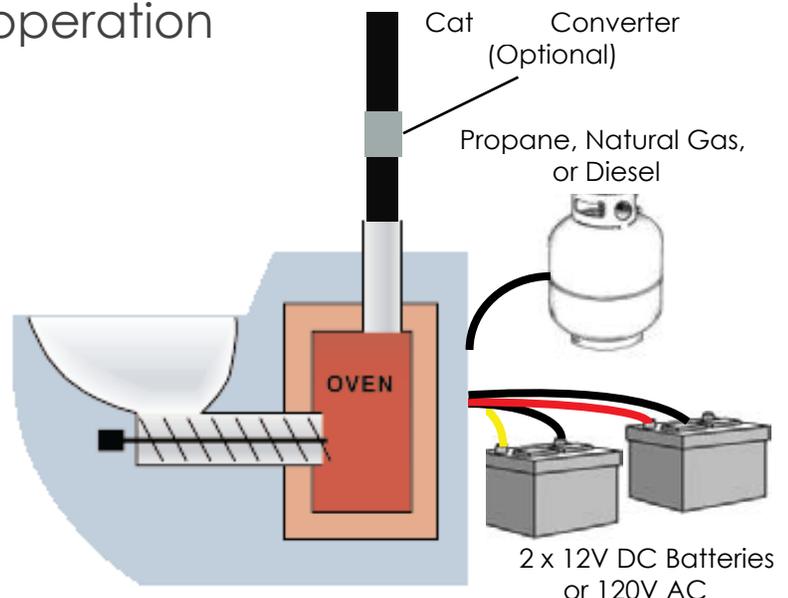
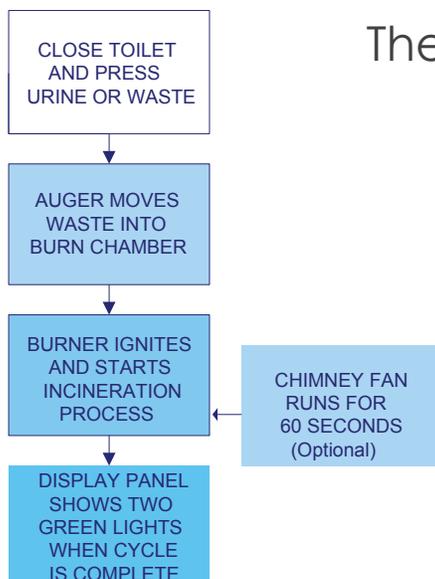
SR12

The SR models are self-contained waterless toilets that use an incineration process to reduce waste into sterile ash. These models are extremely efficient and leave a very minimal amount of ash that only needs to be emptied periodically. They require minimal effort to install, very little maintenance, and feature an aesthetically pleasing design. Due to its unique features, it can be used virtually anywhere. The SR toilets are perfect for areas where plumbing connections or sewage systems are unavailable (i.e. cabins, work shops, construction sites, camp grounds, fishing and hunting camps etc.).

How the toilet works

The only requirements for the SR to operate are a power source and Propane, Natural Gas, or Diesel. They conveniently attach to 120V AC power, or 12V DC as its power source, which can be recharged by solar energy. To operate the toilet after use, one simply has to close the lid and press the "flush buttons". The toilet has two flush buttons: one for urine, and one for waste. By pressing the button, a feeder screw will start to move any waste present into the burn chamber, which is located at the back of the toilet. At this point the incineration process starts up automatically and begins the burning cycles. Since these models burn all the waste after each usage, there will never be any waste left inside the toilet that can cause unpleasant odor. Depending on the SR model used, the process can take a few minutes for a quick urine cycle, or up to 45 minutes for a waste cycle. One of the great features of these units is that even though a burn cycle is in progress, one can still use the toilet. It will simply shut off the burning process when the toilet lid is lifted up.

The operation



SR Models

MODELS	FUEL	CAPACITY
SR5	Propane	4-5 people
SR12	Propane	8-10 people
	Natural Gas	8-10 people
	Diesel	8-10 people



The burn cycles are controlled by a circuit board. A display panel signals when the burn cycles are completed, if fuel is out, or if there has been too many users in a too short time period, etc.

Maintenance / Cleaning

The burn chamber is easily accessible through a lid from the outside of the toilet (in the rear), and it makes the ash removal process easy. To ensure a clean bowl and auger, the toilet is equipped with a small reservoir of water, which can be used to clean the bowl. One only needs to press a rinse button to rinse the bowl. As an option, it is also possible to add a paper liner in the bowl before usage; the paper liner gets moved into the burn chamber along with other waste material. Once inside the chamber, the incineration process quickly eliminates the paper liner along with the waste.



UL and CE approved.



Applications

Cabins / Guest and Pool houses / Military / Disaster situations / Construction - Work sites
Trains / Barges / RVs / Remote Camp sites / Mobile offices / Barns

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BASIC Series waterless composting toilets



The BASIC Series includes waterless separating composting toilets that are ideal for temporary or remote applications. They have a simple design, yet looks very stylish and are very easy to install, operate, and maintain.

How the toilet works

The BASIC models are equipped with a separating, and drying feature, which is the first step in its composting process. The solid waste is collected in a special environmental box inside the toilet. The liquid waste is separated from the toilet through a special liquid waste hose. Underneath the waste box, there is a heating plate that dries out the waste material in the box the heating plate is thermostatically controlled

and it reaches a temperature where most bacteria die. When the box is full, one can easily take out the biodegradable bag and install a new one. The used bag can then be added to a composting pile where it after a few months will decompose.

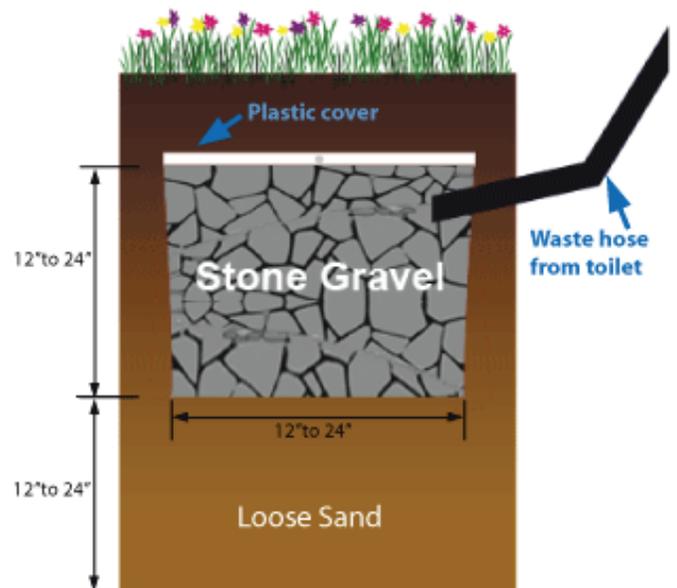
The liquid waste is separated away in the front of the toilet bowl. By using gravity, the liquid waste gets drained outside the rear of the unit. The liquid waste is collected with a domestic wastewater system, or guided to a drain pit or to a container. By mixing 1 part of liquid waste with 8 parts of water, it can be used as a fertilizer.



Biodegradable Waste Box/Waste Bag



Building a Drain Pit







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Specification

DIMENSIONS	SR5	SR12	WC5	WC32	WC48	BASIC
Height	25 in	32 in	27 in	35 in	35 in	25 in
Width	23 in	25 in	16 in	28.5 in	28.5 in	23 in
Depth	34 in	39 in	25 in	50 in	62 in	34 in
Sitting Depth	19 in	20 in				19 in
Weight	132 lbs	160 lbs	120 lbs	250 lbs	300 lbs	45 lbs

Technical Data

	SR5	SR12	BASIC
Heat Flow	5kW	12kW	-
Fuel	Propane	Propane, Nat.Gas, Diesel	-
Operating Voltage	12VDC, 120VAC, 220VAC	12VDC, 120VAC, 220VAC	12VDC, 120VAC, 220VAC
Hourly Btu	18,000	50,000	-
Temperature	Operation: -40 F – 120 F	Operation: -40 F – 120 F	Operation: -30 F – 120 F
Material	Polypropylene Plastic	Galvanized Steel	Polypropylene Plastic
Color	White	White, Black, or Grey Metallic	White
Capacity	4-5 People	8-10 People	8-10 People

	WC5	WC32	WC48
Fuel	Propane	Propane, Nat.Gas, Diesel	Propane, Nat.Gas, Diesel
Operating Voltage	12VDC, 120VAC, 220VAC	12VDC, 120VAC, 220VAC	12VDC, 120VAC, 220VAC
Hourly Btu	18,000	80,000	126,000
Temperature	Operation: 32 F – 120 F	Operation: 32 F – 120 F	Operation: 32 F – 120 F
Material	Galvanized Steel	Galvanized Steel	Galvanized Steel
Color	Grey Metallic	Grey Metallic	Grey Metallic
Burning Capacity	1 Gal/Hr	2.5 Gal/Hr	5 Gal/Hr

	WC5	WC32	WC48
Fuel	Propane (0.4 lbs/hr)	Propane (0.8 lbs/hr)	Propane (1.5 lbs/hr)
		Natural Gas (0.3 therm/hr)	Natural Gas (0.3 therm/hr)
		Diesel (0.3 gal/hr)	Diesel (0.6 gal/hr)

Environment

Today's fresh water is decreasing. 1/3 of the world's population lives in areas that have a moderate or severe water shortage. It is estimated that the amount of water available to each individual will be cut in half over the next 25 years. It is also known that only three percent of the world's water is fresh; it is that same water that we today use in our regular toilets!

In the 21st century, water is becoming a scarce resource. In China, where some 82 million people are struggling with severe water shortages, is no longer an isolated example.

ECOJOHN is at the forefront of a worldwide push to save our planet's most precious resource - water. By investing in ECOJOHN, you not only provide clean, upscale, and modern restroom for your organization, you also invest in the environment and the future.



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