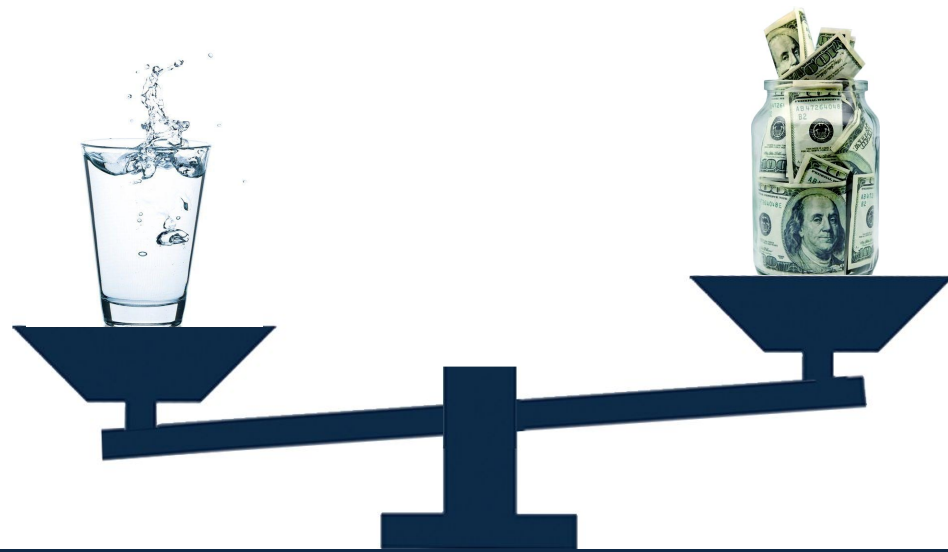




ТҮМЭН АМГАЛАН ОРДОН ХХК
www.tao.mn

REUSE OF WASTEWATER

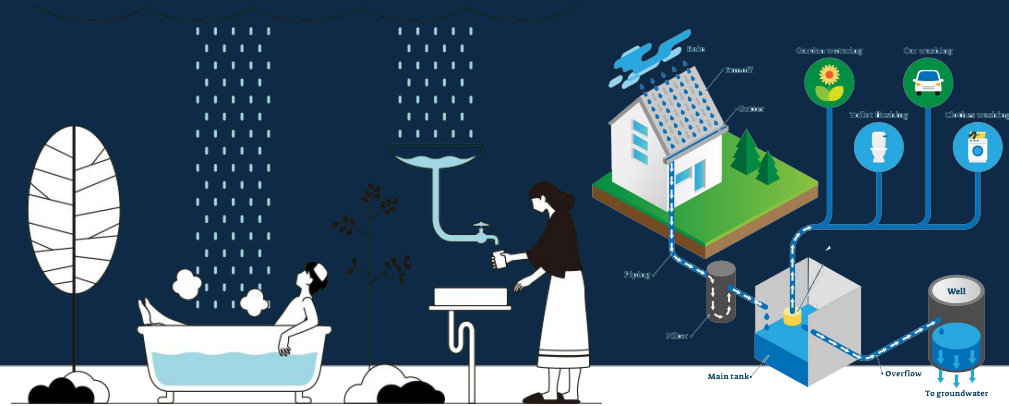




IN MONGOLIA



IN JAPAN



TOP CHALLENGES



1 in 5 children
faces a daily struggle to
access clean water

Mongolia, by
2030, **43%**

of the total water
supply is projected to
become unavailable.

Source: Britannica World Encyclopedia



Global Water Information

- Water covers 71% of the Earth's surface.
- yet only 2.5% of it is freshwater.
- Of that freshwater, just **1%** is accessible for human use.

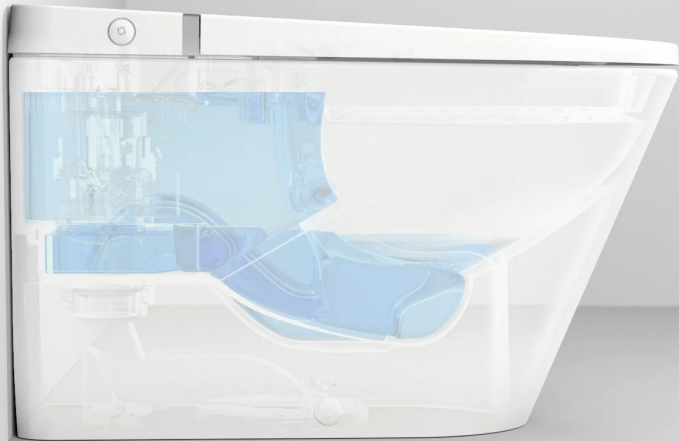
Source: United Nations



RAINFALL
1 DAY IN JAPAN =
1 YEAR IN
MONGOLIA

PAIN POINT

An individual uses an average of **34.4 liters of water** per day solely for flushing the toilet.



Possibility of Using Treated Wastewater for Household Purposes

House: 1078+



Single, Twin, Town house 1500 families
4 312 people
54 141m³ of water

Apartment: 4177+



261 828 families
1 047 312 people
13 150 049m³ of water



Number of households using smart toilets in Ulaanbaatar



The legal framework is relatively secured.



Public demand is growing.



However, the market lacks sufficient supply of wastewater treatment system.



15% Reduction in
Household Clean
Water
Consumption in
Mongolia
Annual Savings
Water: 13 million
tons
CO2: 470,000 tons



PRIMARY IMPLEMENTOR



6+

Building industry projects



80+

Building energy audit



250+

Construction design

TEAM LEADER



KHANGAISAIKHAN.N

Founder and director
Consulting engineer,
Building energy auditor,
Specialized in Business administration

PROJECT MANAGER



KHANGAITSETSEG.N

Specialized in Project
management

FOREIGN RELATIONS MANAGER



ENKHTUGS.M

Specialized in International
relations & Business
administration

TECHNICAL EXPERT



MUNKHBAYAR.B

Consulting engineer
Building energy auditor

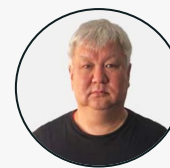
SENIOR SUPERVISING ENGINEER



TSATSRAL.TS

Consulting engineer (WSS)
Water Resources Management and
Industrial Wastewater Treatment
Specialist

SENIOR CONSTRUCTION ENGINEER



ENKHBAYAR.TS

Professional engineer (WSS)
Specialized in Wastewater reuse



CO-IMPLEMENTOR



Innovation for Water Sustainability



TECHNOLOGICAL PARTNER-FUSO



SHIMIJIMA CHIHIRO

Project Manager
Business Development Division
International Marketing
Department
FUSO Corporation

MONITOR AND CONTROL SYSTEM PARTNER



BEGZSUREN.T

Head of "CreatiVision start-up"
under National University of
Mongolia
Associate professor



FIRST OFFICIAL MEETING
FUSO CORPORATION'S
OFFICE, TOKYO, JAPAN |
2024.08.08

**EXPERIMENT IN COOL
ZONE**
NEW YORK CITY, USA, FUSO
& ORENCO | 2024.11.14



Organization : Global marketing



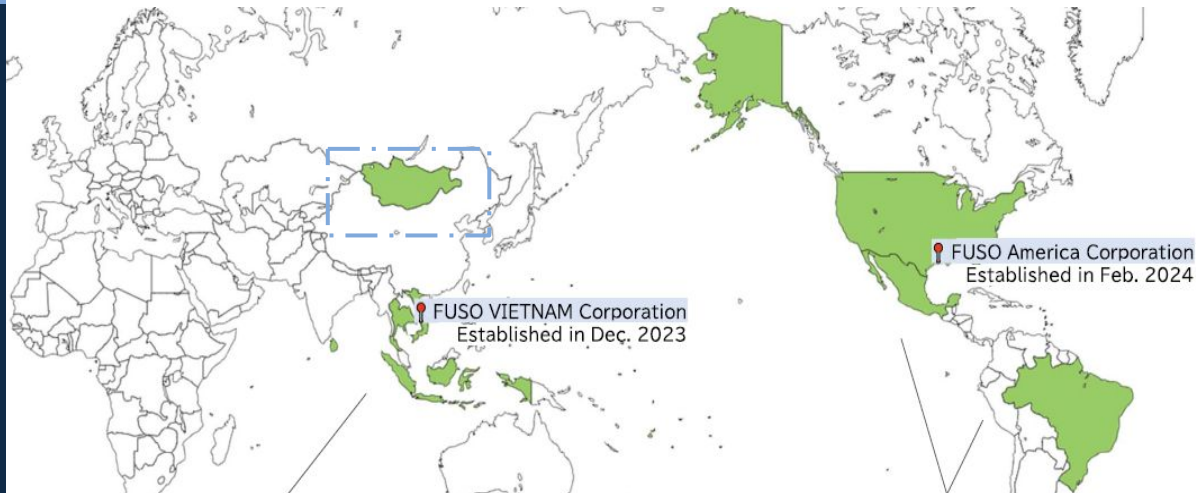
Yoshimitsu Lion Aikawa
Director



Marketing division of FUSO Corpora
Chihiro Shimojima
Project manager

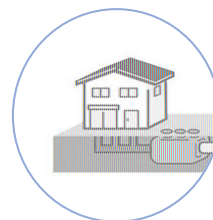
SIGNING OF MOU
FUSO CORPORATION'S
OFFICE, TOKYO, JAPAN |
2024.12.10

DISTRIBUTORSHIP AGREEMENT
TAO LLC, ULAANBAATAR, MONGOLIA | Q3, 2025



FUSO VIETNAM Corporation
Established in Dec. 2023

FUSO America Corporation
Established in Feb. 2024



LEGAL ENVIRONMENT OF WATER REUSE IN MONGOLIA

Type of building	Type of water reused		Usefulness				Source
	Treated greywater	Treated wastewater	Toilet seat	Trees, lawn, ground	Carwash	Coal washing, concrete production, thermal power station, waste recycling, road dust control, and firefighting	
House	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		MNS 6734:2018 MNS 8525:2015
Apartment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
School	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Kindergarten							
Hospital							
Office, commercial, service	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Hotel	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Mining industrial building	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Other industrial buildings	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	



WHAT WE OFFER

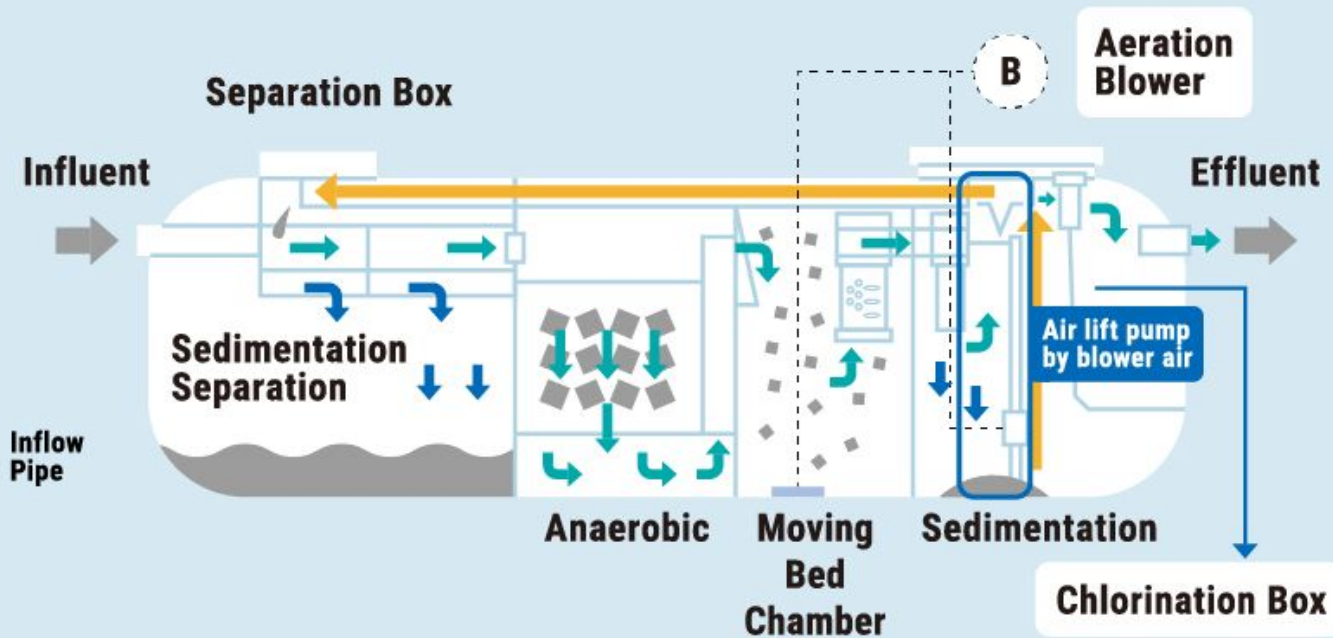
INDICATOR	DESCRIPTION AND CAPACITY
Type of treated water	Grey water + Black water
Water treatment technology	Bacteria; Filter membrane
Daily capacity of treatment	2 tons – 954 tons
Maintenance	Sludge suction in the 8th-12th year
	Inspection and removal of sludge at least once a year
	Inspection of washing part once a year
Operational life	20-30 years
Price	189 million mnt – 630 million mnt

EXPERIMENTAL SYSTEM

💰 297,800,000₹

The price of the system offered under the project includes the following costs:

- *Base cost of the Johkasou wastewater treatment system and transportation cost
- *Cost of connecting parts and accessories
- *Installation costs
- *Cost of control and management system



Capacity: 2000 l/day



Number of families: 10
families with 5 people



Cleaning frequency of the
system: 8th -12th year



Operational lifetime: 20+ years

ROADMAP

8月

2024

Find a
technological
partner

12月

2024

Select and
finalize the
system

1月

2025

Raise fund
for
experiment-
research
investment

3月

2025

Order the
system

5月

2025

Start
experiment in
a building

11月

2025

Supply to the
market, and
sustain the
operation

**BUDGET
SUPPORT
NEEDED FOR
EXPERIMENTAL
RESEARCH
WORK.**

**TECHNOLOG
Y:**

Proven, risk-free
Japanese
technology with
international
credibility.

DEMAND:

100% supported the use
of gray water and 78%
supported the use for
toilet flush

**TO SUPPORT SUSTAINABLE
DEVELOPMENT GOALS, WE INVITE
YOU TO IMPLEMENT WASTEWATER
PURIFICATION AND REUSE
TECHNOLOGY IN YOUR HOMES,
INSTITUTIONS, AND INDUSTRIES.**



Save Water ... Save **LIFE**

THANK YOU FOR YOUR ATTENTION

TUMEN AMGALAN ORDON LLC



www.tao.mn



Suite 704, 7F, Erkhii center, Region 2, Bayangol
district, Ulaanbaatar 16050, Mongolia



70118408, 99990495, 080-4196-9996



trade@tao.mn