



BIT ENGINEERING

Bio Plant Creator





COMPANY	BIT ENG Co., Ltd.	ADDRESS	44782, Yongjam-ro, Nam-gu, Ulsan, Korea
PRESIDENT	Jeong-Woong Joo		
SINCE	2023. 03. 09.	CONTACT INFO	T. +82 52-227-6200 F. +82 52-227-6202 biteng@bitengkorea.com

OUR TO DO

BUSINESS AREA



01

**Organic Resource
Upcycling Design**



02

Contruction



03

Operation



04

**Upgrading &
Remodeling**

OUR TO DO



OUR TO DO



WHAT WE DO

ORGANIZATION

BIT ENG accompanying outstanding engineers and technology always does the best to meet the needs of customers and is all set to provide the best efficiency and value.



OUR FAMILY

BIT

Organic waste upcycling system engineering and operating, and manufacturing and R&D of BIOGAS.

BIT boosting up ESG management with the local community goes global and never stops innovation and challenge.

BIT makes the technology better and nicer and commits to providing a better and nicer life for all.



OUR FAMILY

NONG BI

manufacturing, R&D, and marketing of
Liquid Fertilizers.

NB accompanying eco-friendly
technology makes non-stop growth in the
market and its commitment to
reducing CO2.

161 retailers in Korea

193,297

Cumulative quantity
from 2020 to 2023

Global export

- Vietnam
- The Philipphines



CEO VISION

CEO Message

Sustainable Energy & Resource Circulation - A New Standard

BIT is committed to setting a new benchmark in sustainable energy and resource circulation.

With extensive experience and proven technologies, we deliver fully integrated engineering capabilities encompassing design, construction, commissioning, operation, and optimization.

We focus on maximizing investment efficiency through reasonable CAPEX and ensuring stable, long-term operational performance.

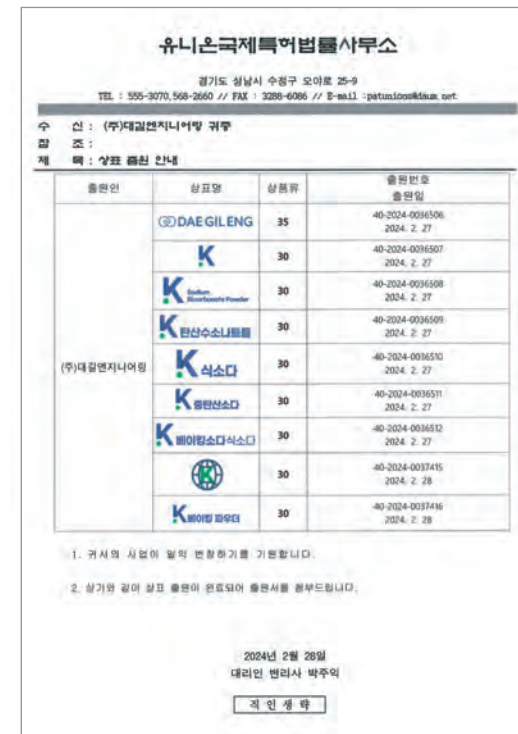
Our solutions are tailored to local conditions and industrial structures, enabling the most effective and practical outcomes for each project.

BIT is dedicated to creating a sustainable future for our clients and community.

BIT ENG HISTORY

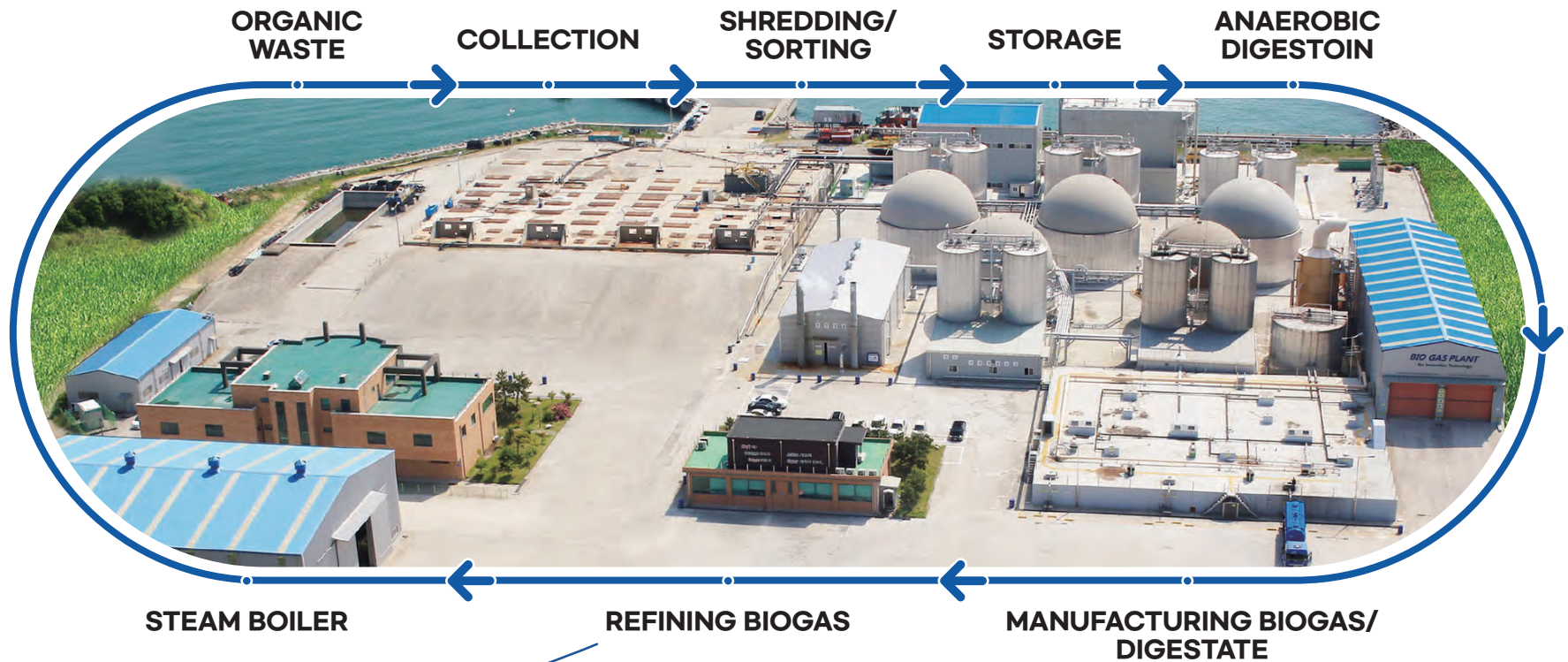
CERTIFICATIONS

BIT ENG is an engineering company that inherits the technology from BIT so that can provide customers full package including design, construction, operation, and upgrading & remodeling. BIT ENG is fully ready to make better progress and go global.



BIO TECHNOLOGY

BIT PROCESS



✓ Option 2

- Sodium Carbonate manufacturing
- Supply steam energy
- Supply heat energy
- Power Generation
- H2 reformation
- Supply civil gas



✓ Option 1

- 1 organic liquid fertilizer
- 2 organic solid fertilizer
- 3 sewage treatment



OPTION

ECO-FRIENDLY FERTILIZER

BIT ENG makes progress in meeting various global needs and commits to R&D.

over 150 multiple microorganisms and enzyme combination makes synergy to improve the condition of the soil and help grow plants.



Option 1

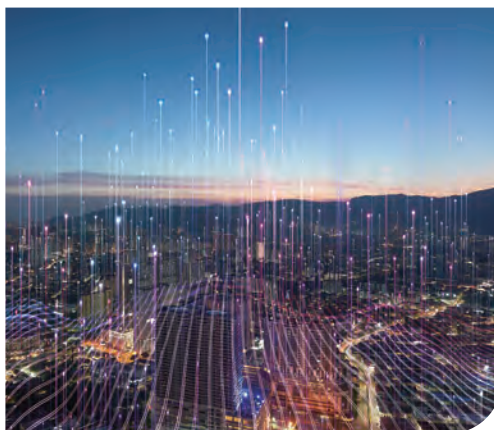


OPTION

BIO ENERGY

- Supply steam energy
- Supply heat energy
- Power Generation
- H2 reformation
- Supply civil gas

Multiple options to meet customers needs.



Option 2



OUR TECHNOLOGY

BIT ANAEROBIC DIGESTER

HRT (Hydraulic Retention Time)

5~7 DAYS

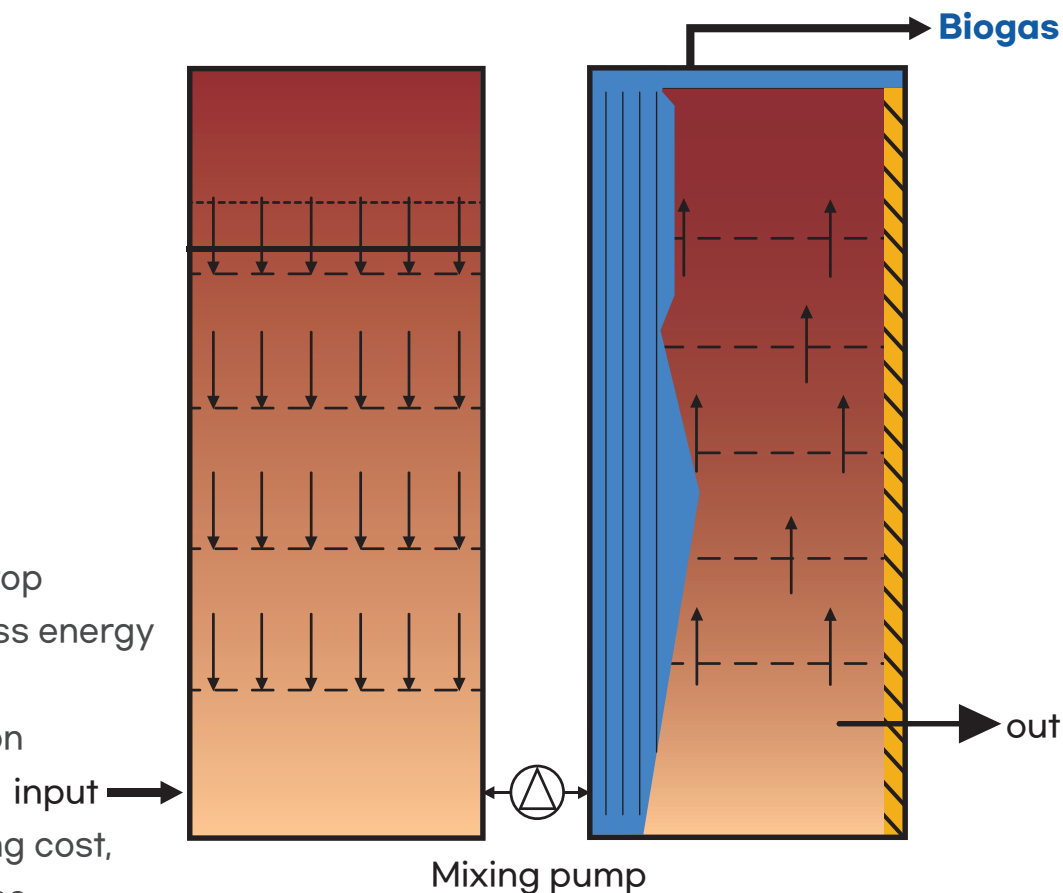
Digestive efficiency

80% ↑

Double cylinder tower type using non-stop circulation through water level that is less energy consumable.

Applying multi plate that makes digestion better and faster (80% above).

Minimum digestion time (5~7days), saving cost, automatic operation, simple maintenance

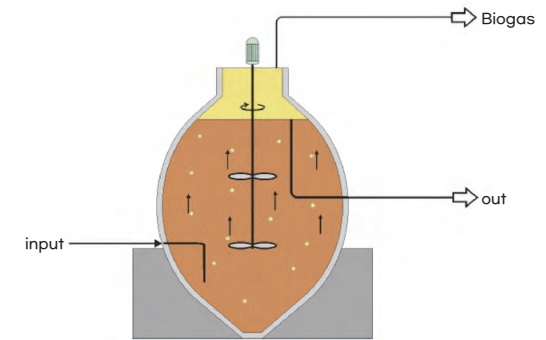
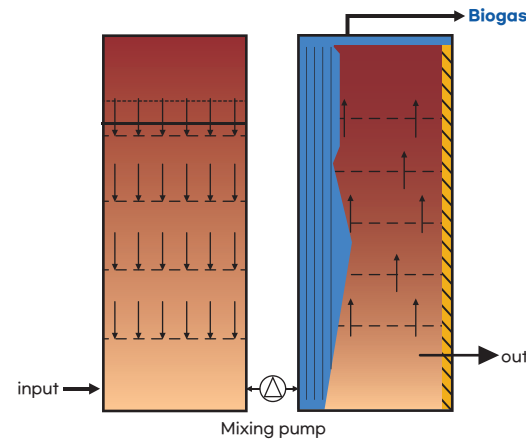


OUR TECHNOLOGY

BIT ANAEROBIC DIGESTER VS CONVENTIONAL DIGESTER

Digester types	BIT Anaerobic Digester	Conventional Digester
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Digester schematic diagram

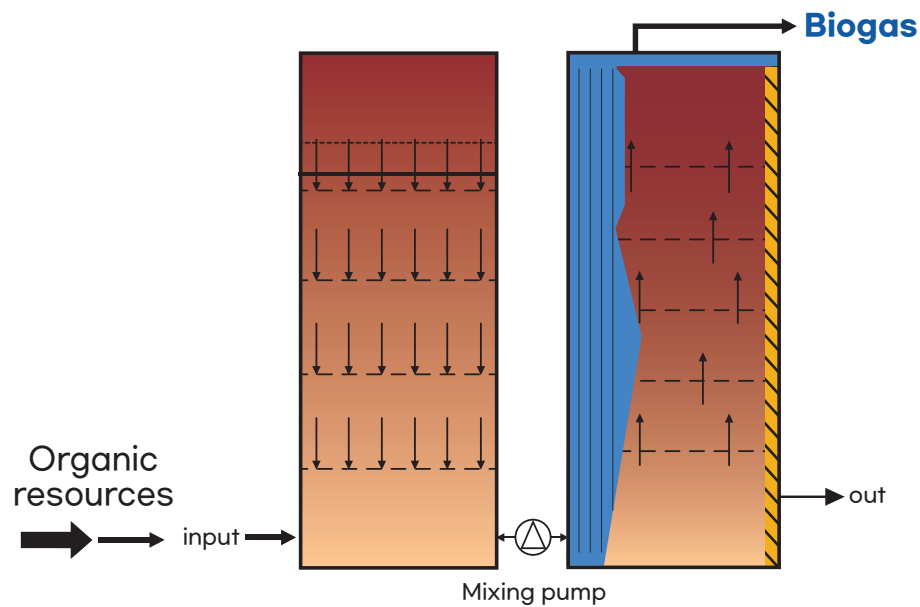


Mixing type	Impulse mixing system	Central stirrer system
HRT	5~7 days	15~30 days
Digestive efficiency	80% ↑	40%
Foam	No	Yes
Sediment discharge	Yes	No
Methane gas production rate	0.6m ³ CH ₄ /kg VS input	0.35m ³ CH ₄ /kg VS input

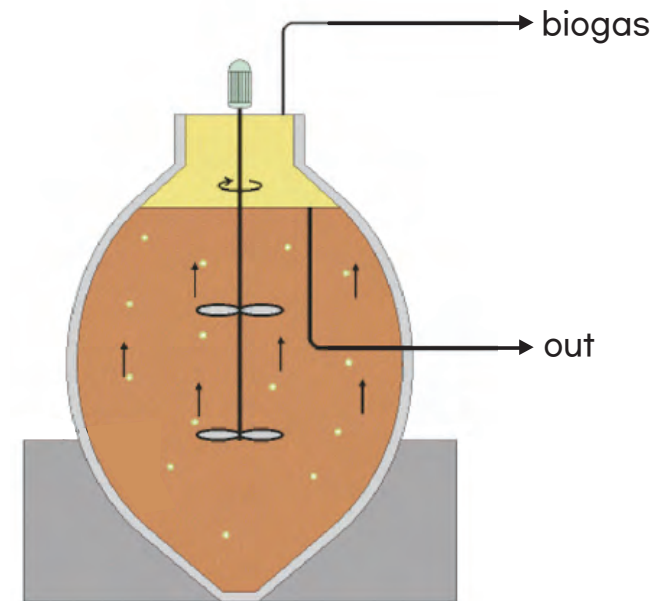
TECHNOLOGICAL INNOVATION

UPGRADING CONVENTIONAL DIGESTER

Upgrading conventional Digester to improve digestive efficiency leads to reaching the ultimate efficiency.



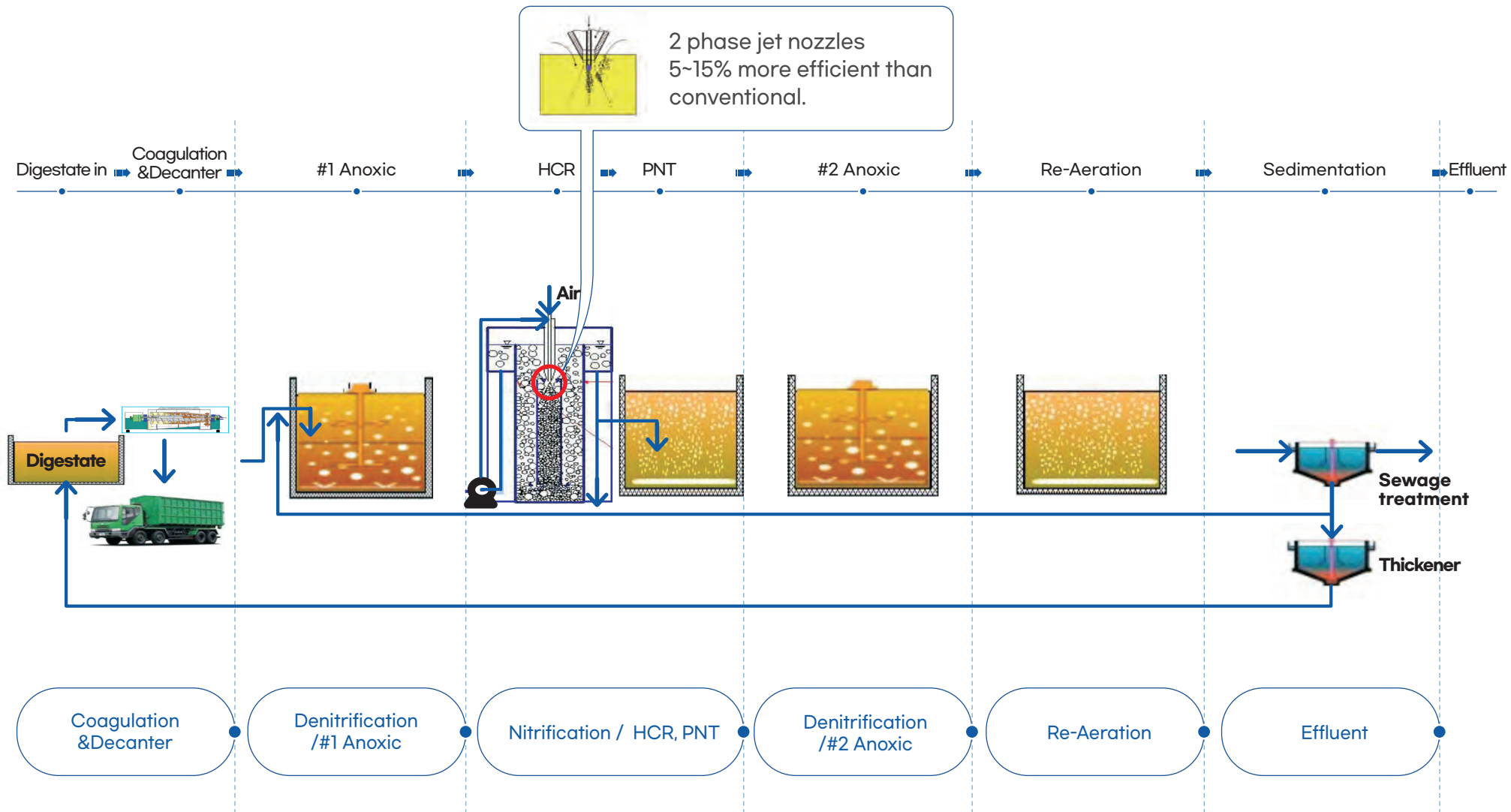
BIT Anaerobic Digester



Conventional Digester

PROCESS

WASTEWATER TREATMENT PROCESS



BIO PLANT CREATOR



BIT ENG succeeds the heritage and technology of biogas from BIT that can provide customers with a full package including design, construction, and operation, and upgrading & remodeling. BIT ENG is fully ready to make better progress and go global to become a leading company in the Biogas business.

