



**BIO INNOVATION TECHNOLOGY**

PHILOSOPHY

# THE NEW BIT INNOVATION BEYOND CHANGE

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

## MISSION

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

## VISION

# Bio Value Creator



**COMPANY**

BIT Co., Ltd.

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**PRESIDENT**

Joo Young Ho

**SINCE**

1988

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OUR TO DO

# BUSINESS AREA

## 01 ORGANIC RESOURCES CIRCLE SYSTEM

Upcycling organic resources leads to renewable and sustainable energy circle.

## 02 BIO ENERGY

BIT carries out production, R&d, and sales of biogas and sodium carbonate out of bioenergy, etc.

## 03 ALL IN ONE CONSULTING

BIT carries out all-in-one solution consulting including design, construction, operation, management and upgrading of organic resource circle system.

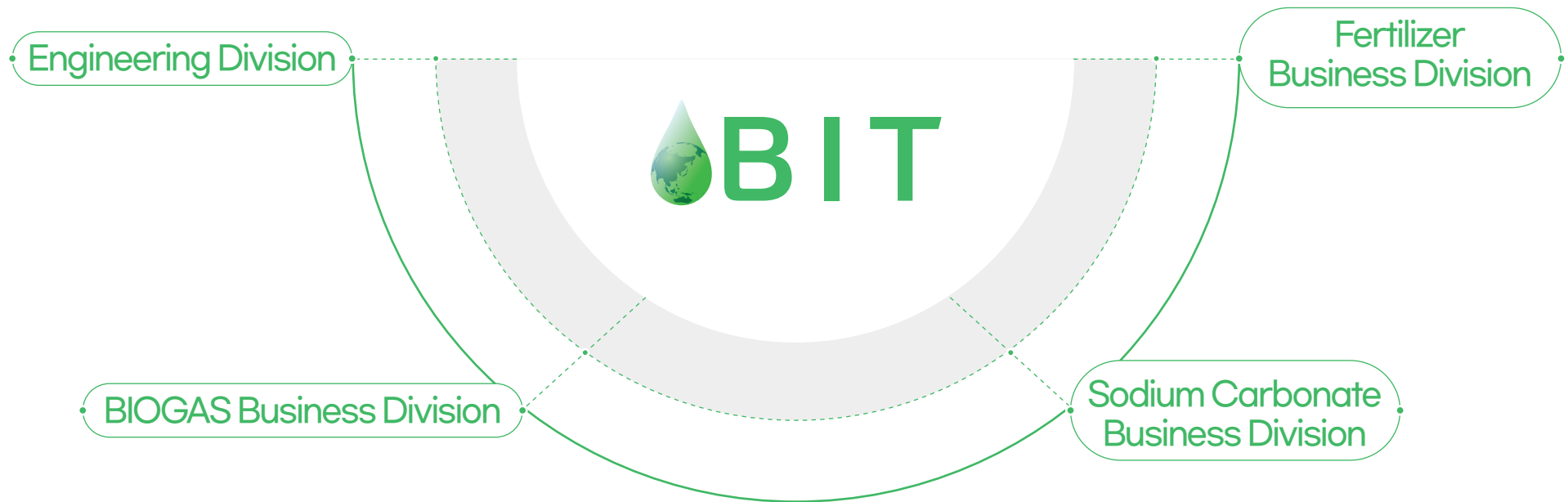
## 04 R&D

BIT accompanying outstanding engineers and technology always does the best to meet the needs of customers and is all set to lead biogas business.

WHAT WE DO

# ORGANIZATION

All members of BIT pursue happiness, respect, and innovation, which leads to value up organic resource upcycle and bioenergy.





OUR FAMILY

# DAE GIL ENG

DAE GIL 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. DG is fully ready to make better progress and go global.



OUR FAMILY

# DAE GIL ENG





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 Philippines





BUSINESS PORTFOLIO

# GLOBAL BUSINESS

BIT has made up the full business portfolio including organic resource treatment, Bioenergy, fertilizer, and marketing.



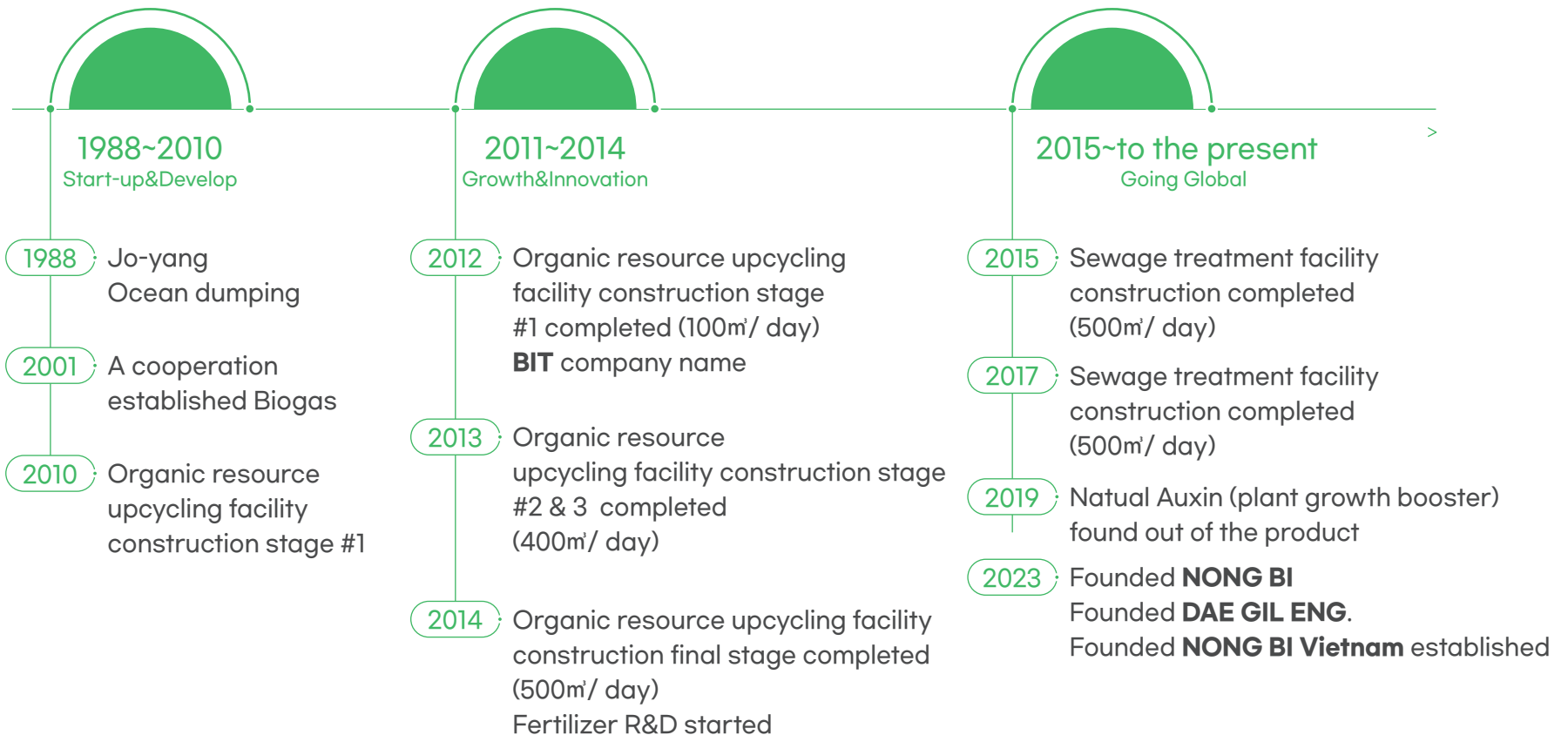
## BIT HISTORY

# HISTORY

BIT started in 1988 as an ocean dumping business.

Then BIT made a big turn in 2010 to start a new challenge in the Biogas business including bioenergy, fertilizer, distribution, and marketing which came to build up upcycling the organic resource.

BIT makes technology better and nicer and commits to providing everyone with a better and nicer life.



# ORGANIC RESOURCE UPCYCLING POTENTIAL AND SUSTAINABLE

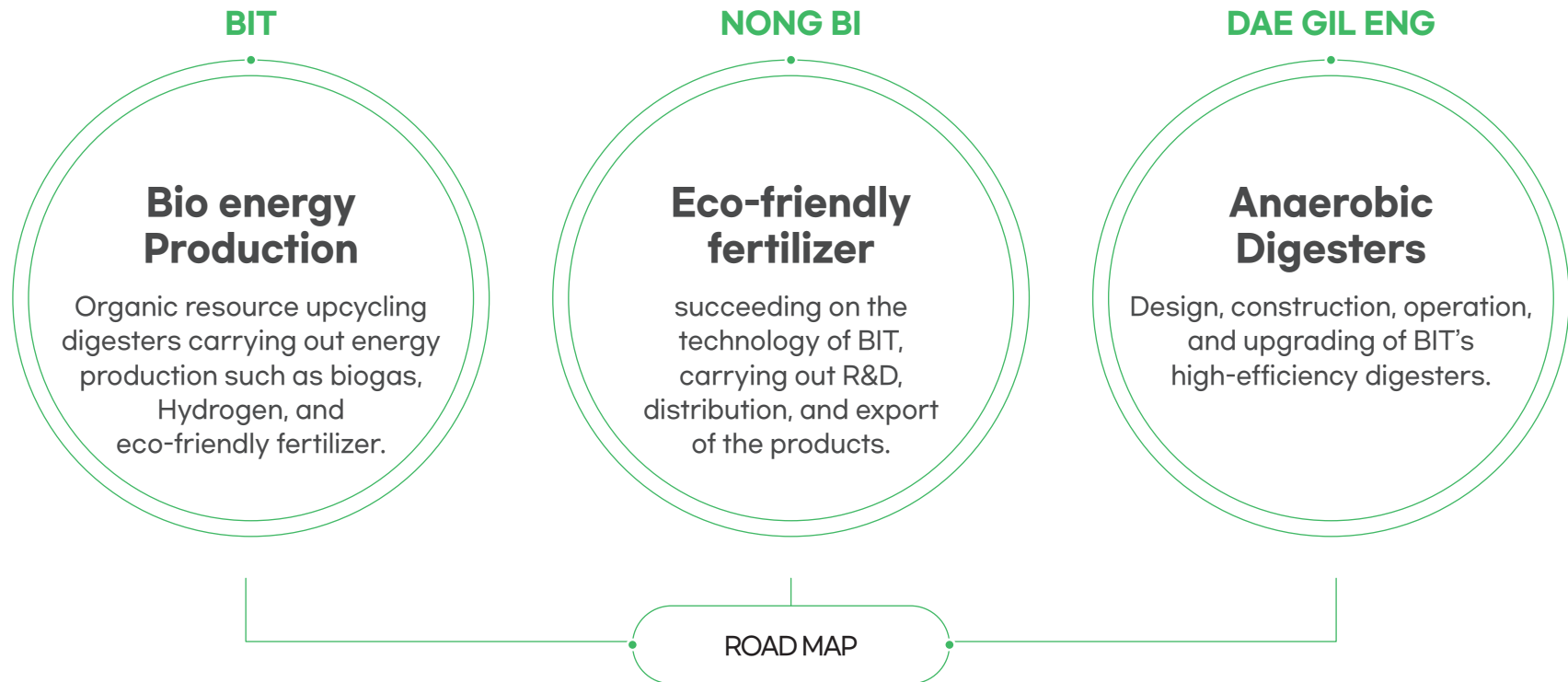
BIT boosting up ESG management with the local community goes  
global and never stops innovation and challenge.

BIT is a real business creator of not only bioenergy but also product production.

GOOD CIRCLE ROAD MAP

# POTENTIAL AND SUSTAINABLE ORGANIC RESOURCE UPCYCLING ROAD MAP

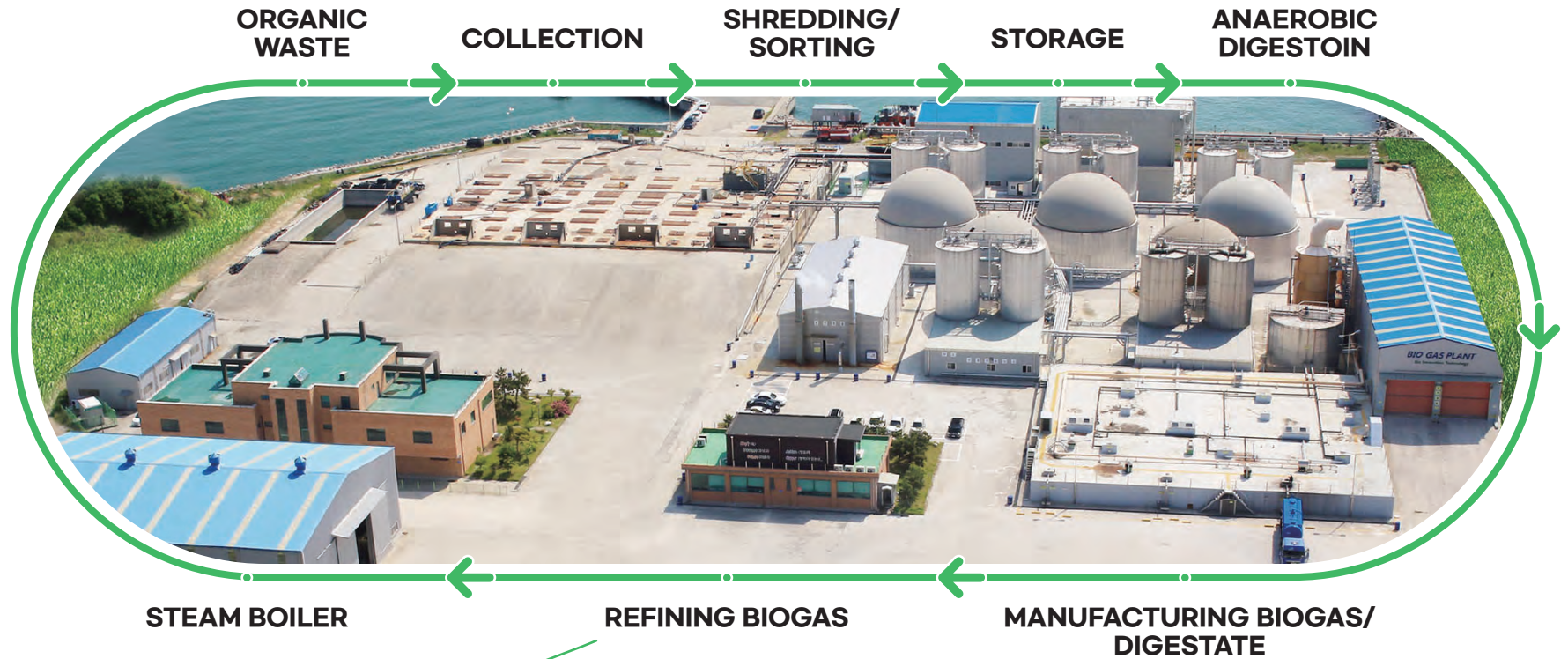
Organic Resource Upcycling stating from Bio energy to eco-friendly fertilizer.





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



OUR TECHNOLOGY

# BIT ANAEROBIC DIGESTER

HRT (Hydraulic Retention Time)

## 5~10 DAYS

Digestive efficiency

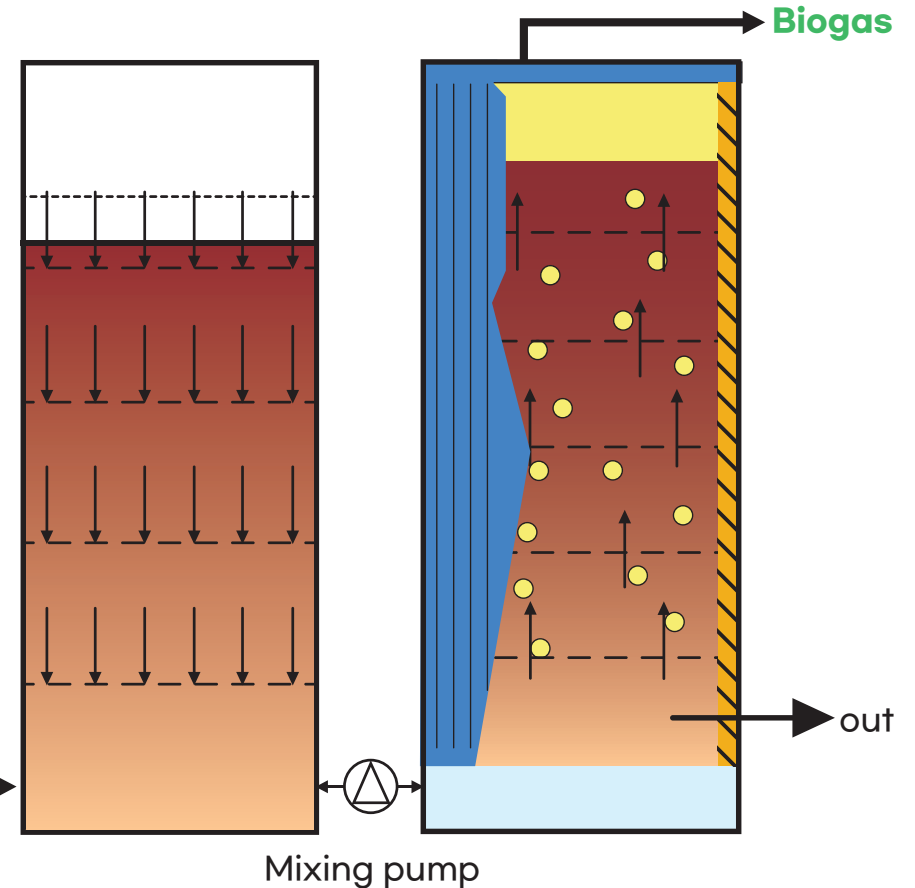
## 70% ↑

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 ( 70% above).

Minimum digestion time (5~10days), saving cost, automatic operation, simple maintenance

input →

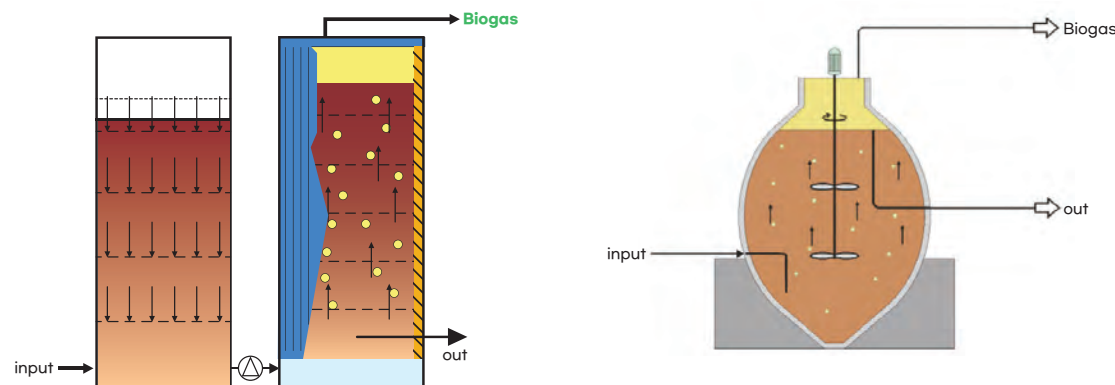


OUR TECHNOLOGY

# BIT ANAEROBIC DIGESTER VS CONVENTIONAL DIGESTER

Digester types	BIT Anaerobic Digester	Conventional Digester
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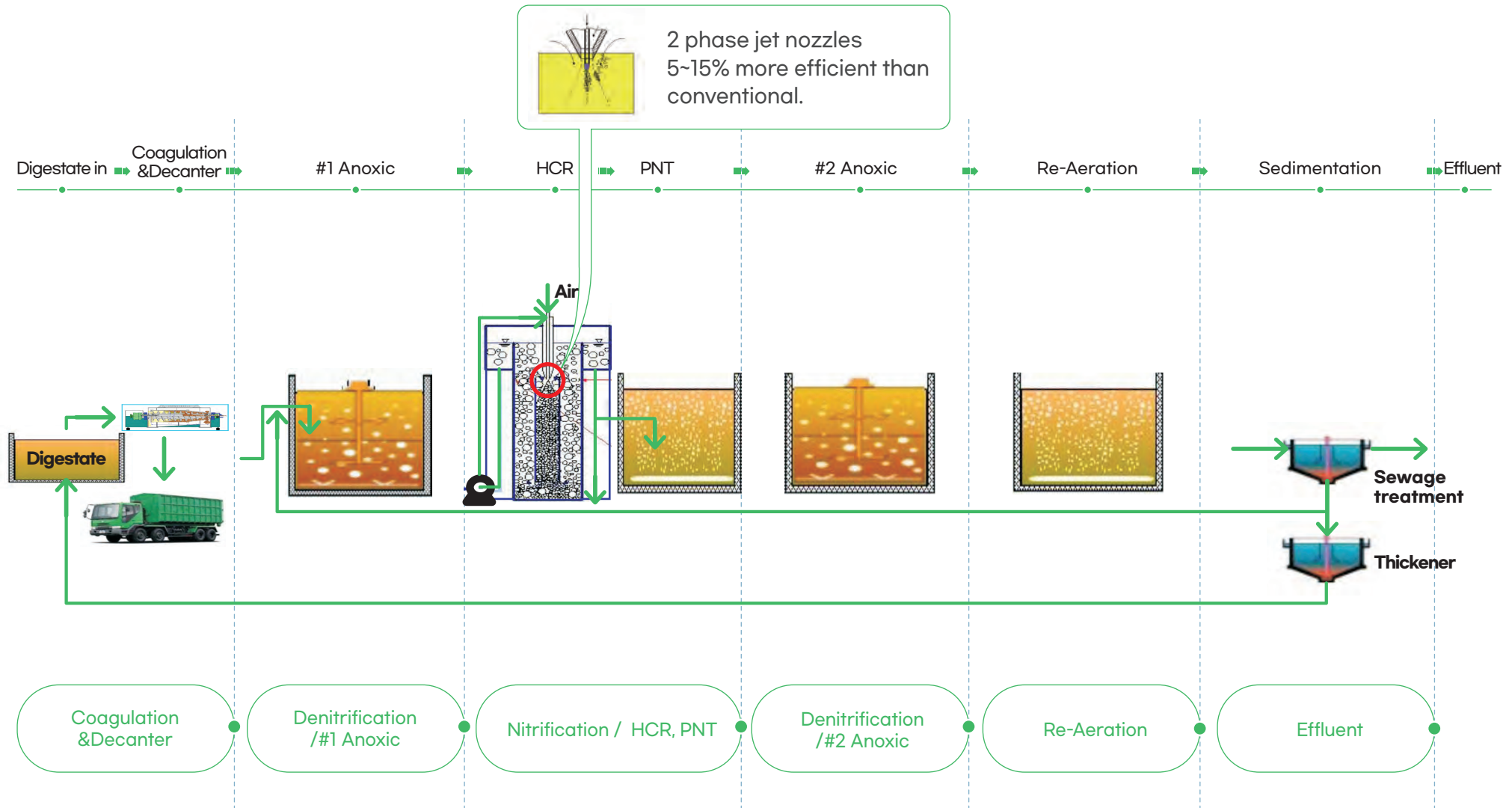
Digester schematic diagram



Mixing type	Impulse mixing system	Central stirrer system
HRT	5~10 days	15~30 days
Digestive efficiency	70% ↑	40%
Foam	No	Yes
Sediment discharge	Yes	No
Methane gas production rate	0.6m <sup>3</sup> CH <sub>4</sub> /kg VS input	0.35m <sup>3</sup> CH <sub>4</sub> /kg VS input

PROCESS

# WASTEWATER TREATMENT PROCESS





# BIO VALUE CREATOR



## Global growing bioenergy company

BIT is committed to bioenergy accompanied by non-stop R&D and innovation.

BIT

- ESG Management
- The largest throughput capacity of private companies
- The highest efficiency of biogas production
- Upcycling resources technology  
Stable efficiency
- Stable Efficiency
- Certified by Korean Ministry of Environment

BIT NEVER STOPS  
INNOVATION AND  
CHALLENGE.

BIT develops the technology  
better and nicer and commits to  
providing a better and nicer life as  
**BIO VALUE CREATOR.**



**Bio Value  
Creator**

