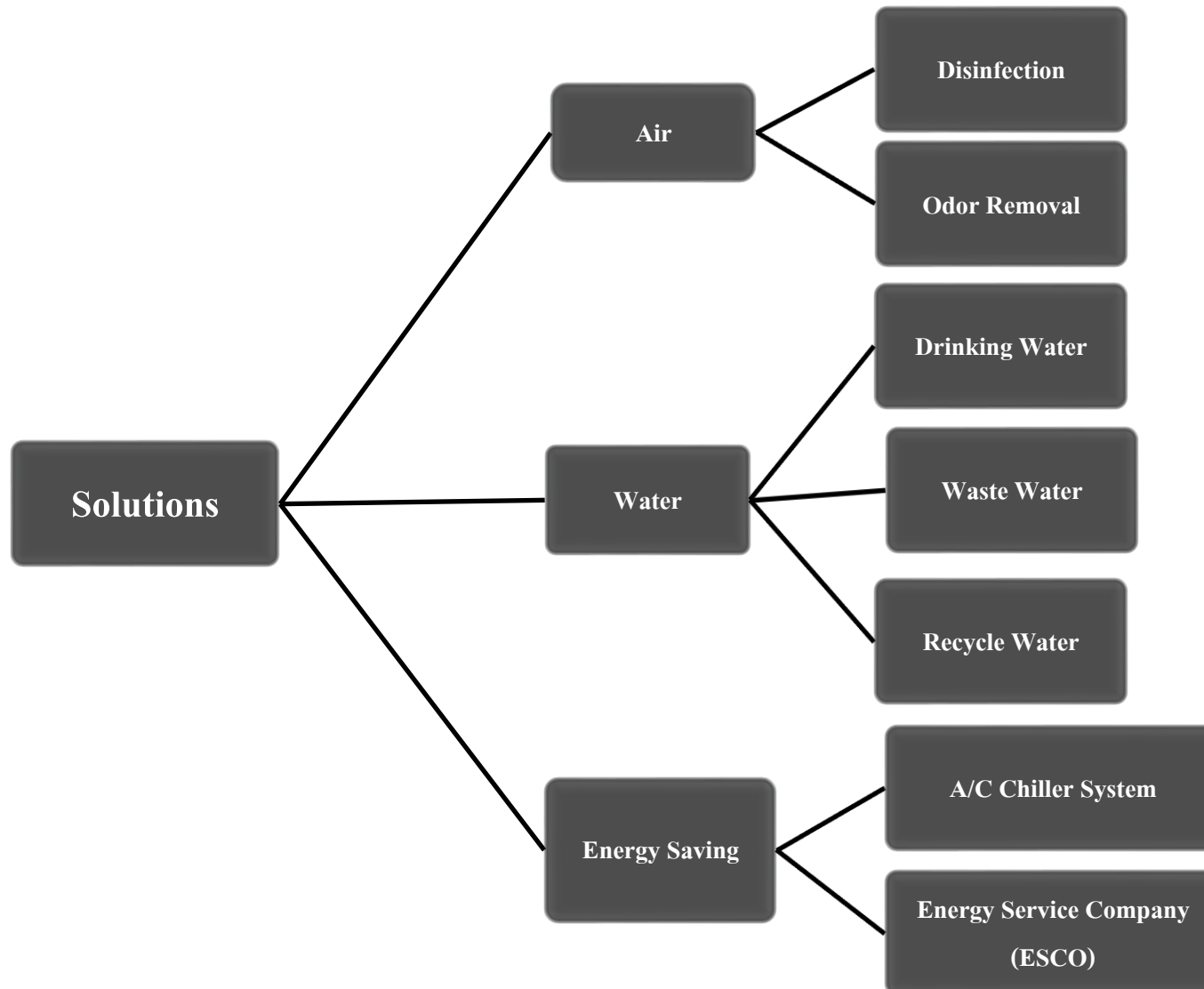


ECONOWATT

The Solution Provider of Energy Conservation and Sustainable Water



25 Years of Engineering Business



Strength

- Own technology with 9 registered patents
- Approved innovative products of Thailand by Bureau of the Budget, Royal Thai Government
- Product Design for tropical climate
- The only ESCO company who received 6 renowned business awards, with 7 consecutive years of excellent ESCO awards and 3 consecutive years of Prime Minister's Industrial Award

More Than 400 Online Service Sites



Excellent ESCO Awards 7 Consecutive Years



Excellent ESCO Awards 2020



Business Ethics Award

**The Thai Chamber of Commerce Business Ethics
Standard Test Award 2007**



**Corporate Governance Award 2012
The National Anti-Corruption Commission (NACC)**



Prime Minister's Industrial Awards 3 Consecutive Years

Prime Minister's Industrial Award 2018



Prime Minister's Industrial Award 2019



Prime Minister's Industrial Award 2020



National Innovation Awards 2020

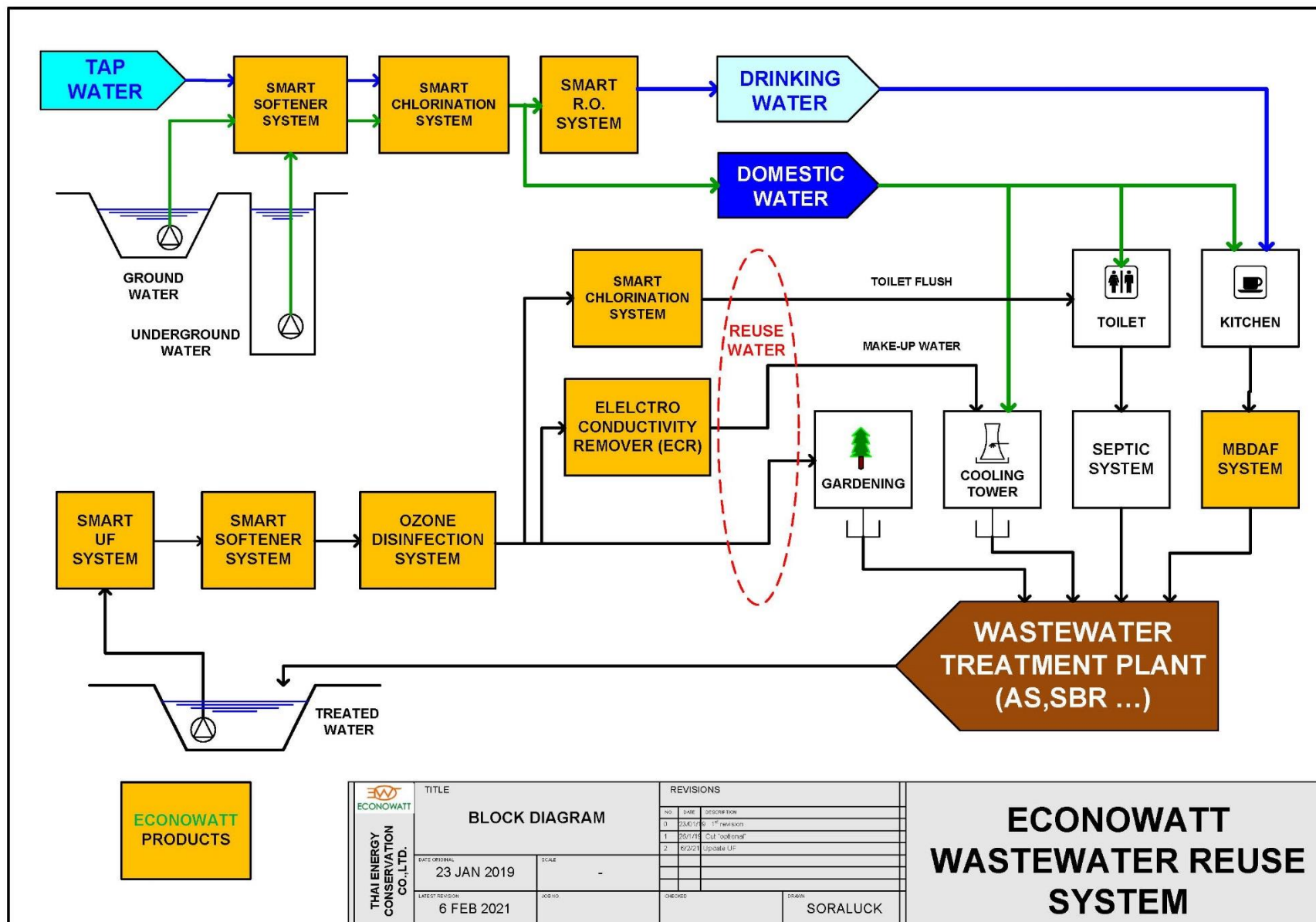


13th National SME Award 2021

รางวัลสุดยอด SME แห่งชาติ



Smart Water System

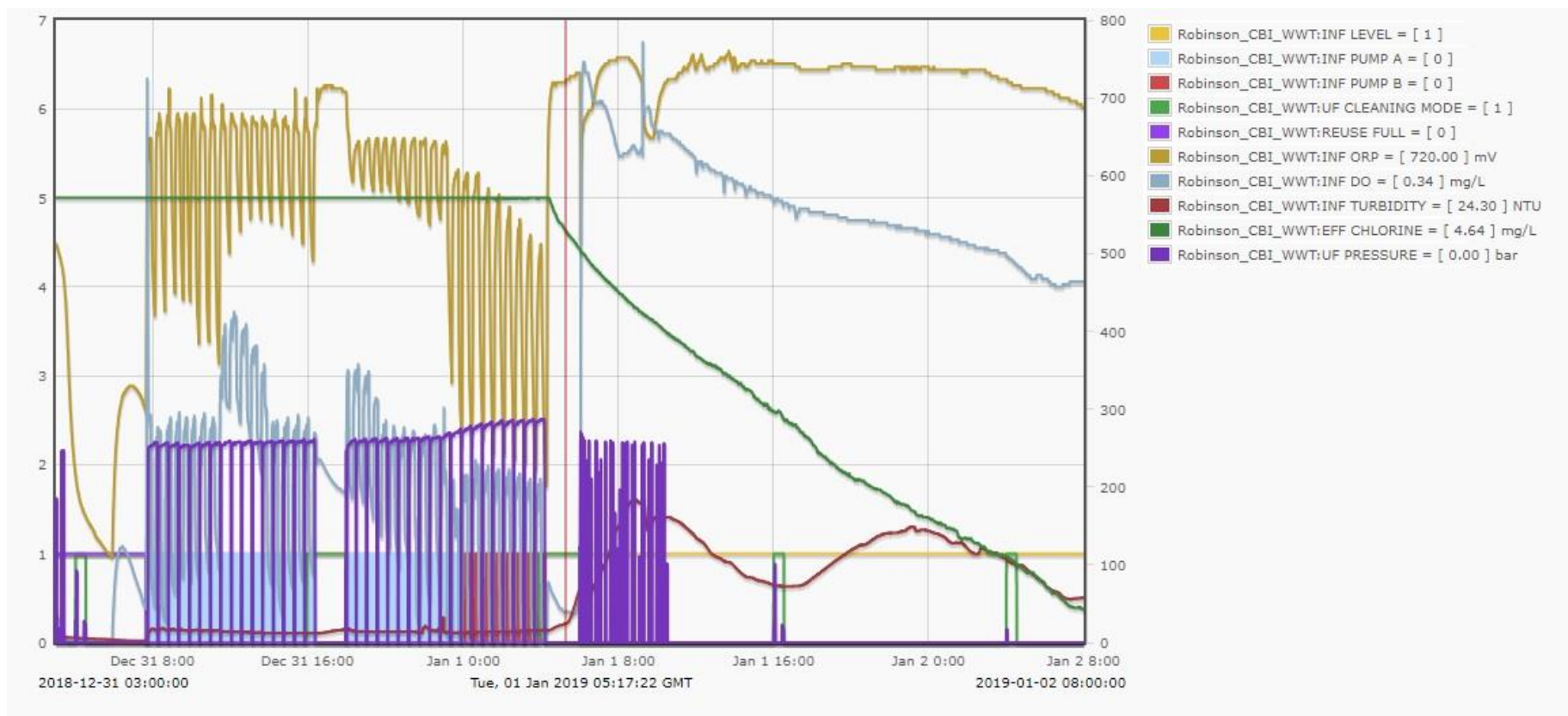


ECONOWATT
PRODUCTS

 THAI ENERGY CONSERVATION CO., LTD.	TITLE		REVISIONS		
	BLOCK DIAGRAM		NO.	DATE	DESCRIPTION
			0	23/01/19	1 st revision
			1	28/11/19	CU "optional"
			2	6/2/21	Update UP
	DATE ORIGINAL		SCALE		
23 JAN 2019		-			
LATEST REVISION		JOB NO.		CHECKED	DRAWN
6 FEB 2021					SORALUCK

ECONOWATT
WASTEWATER REUSE
SYSTEM

Smart Water System



Smart Water System

Real Time Monitoring

Data Ready

Thu Feb 20 2014 14:35:24

Setting

Auto

Refresh

ECONOWATT_Recycle_System(RC50_5RC00011)

System[]

Good

OFF

Alarm[]

Good

ALARM ON

AutoRun[]

Good

OFF

Reset SW[]

Good

1

Vpress[V]

Good

3.22

Oxy[%]

Good

100.0

Icon[A]

Good

0.0

Ifan[A]

Good

0.0

Vrun[V]

Good

0.00

Turbid[NTU]

Good

4.6

OzoneGas[g/hr]

Good

0.0

Ozonediss[PPM]

Good

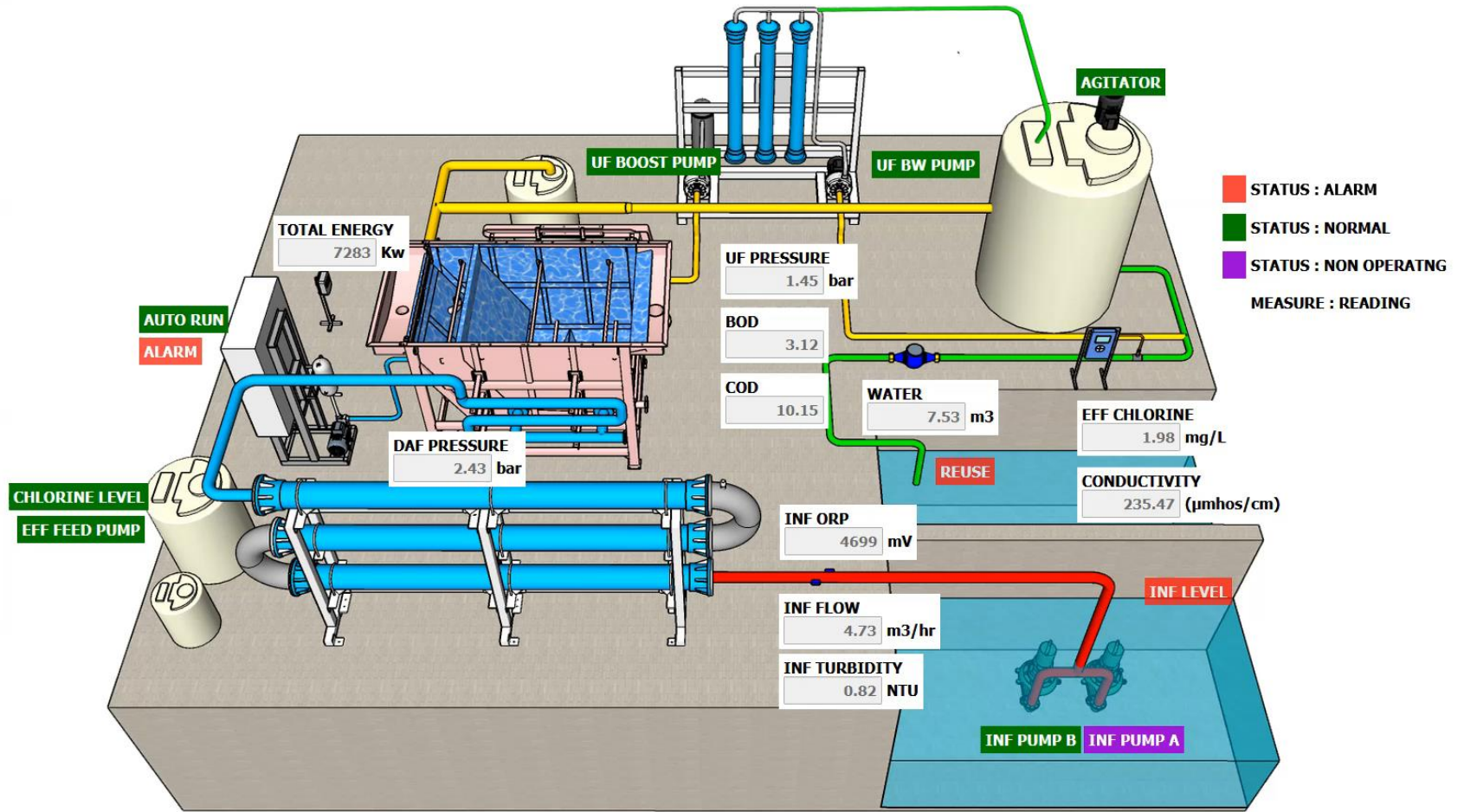
0.00

ErrCode[]

Good

7

ระบบ Smart Water System

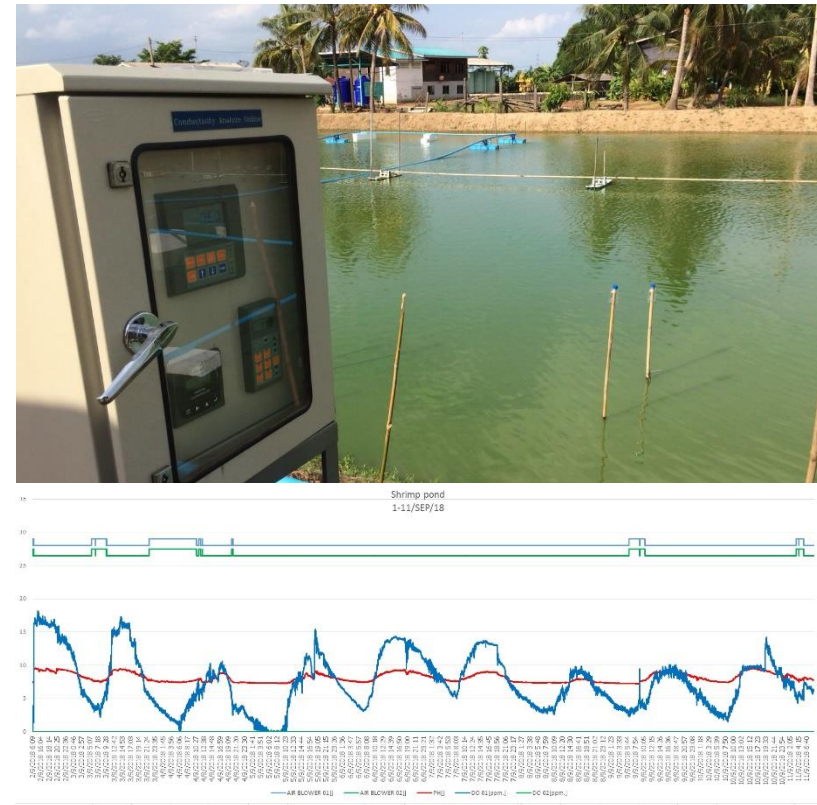


Smart Water System

Shrimp Farm Application



Data Online Monitor



Micro Bubble Dissolved Air Flotation (MBDAF)

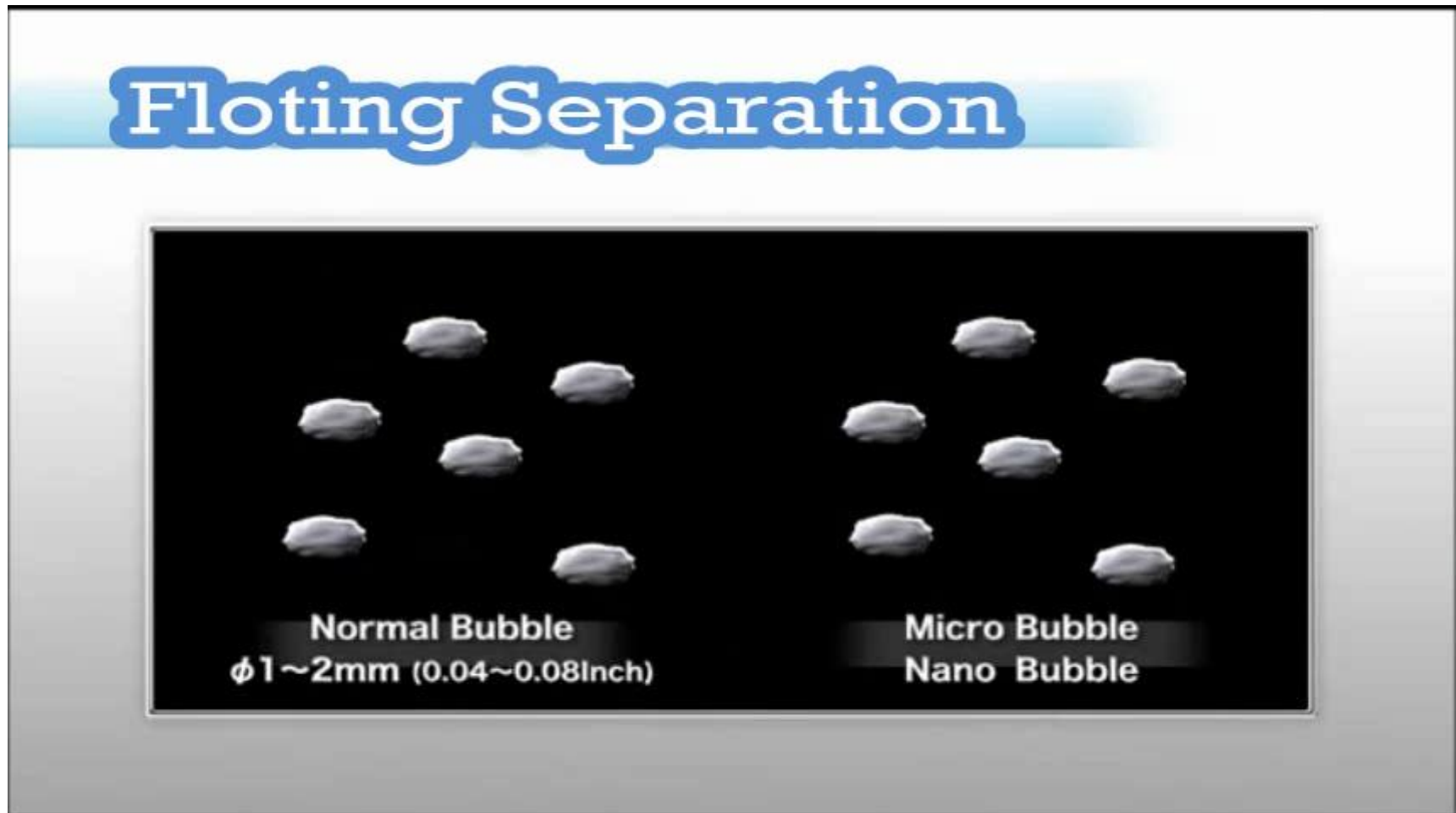
- Improve Existing DAF System
- Waste Water Treatment in Limited Land Area
- Remove SS, Oil and Grease
- Remove Iron, Manganese and Heavy Metals
- Expand Existing Waste Water Quality



Micro Bubble Dissolved Air Flotation (MBDAF)

ฟองอากาศทั่วไปไม่สามารถลอยตะกอนขึ้นได้

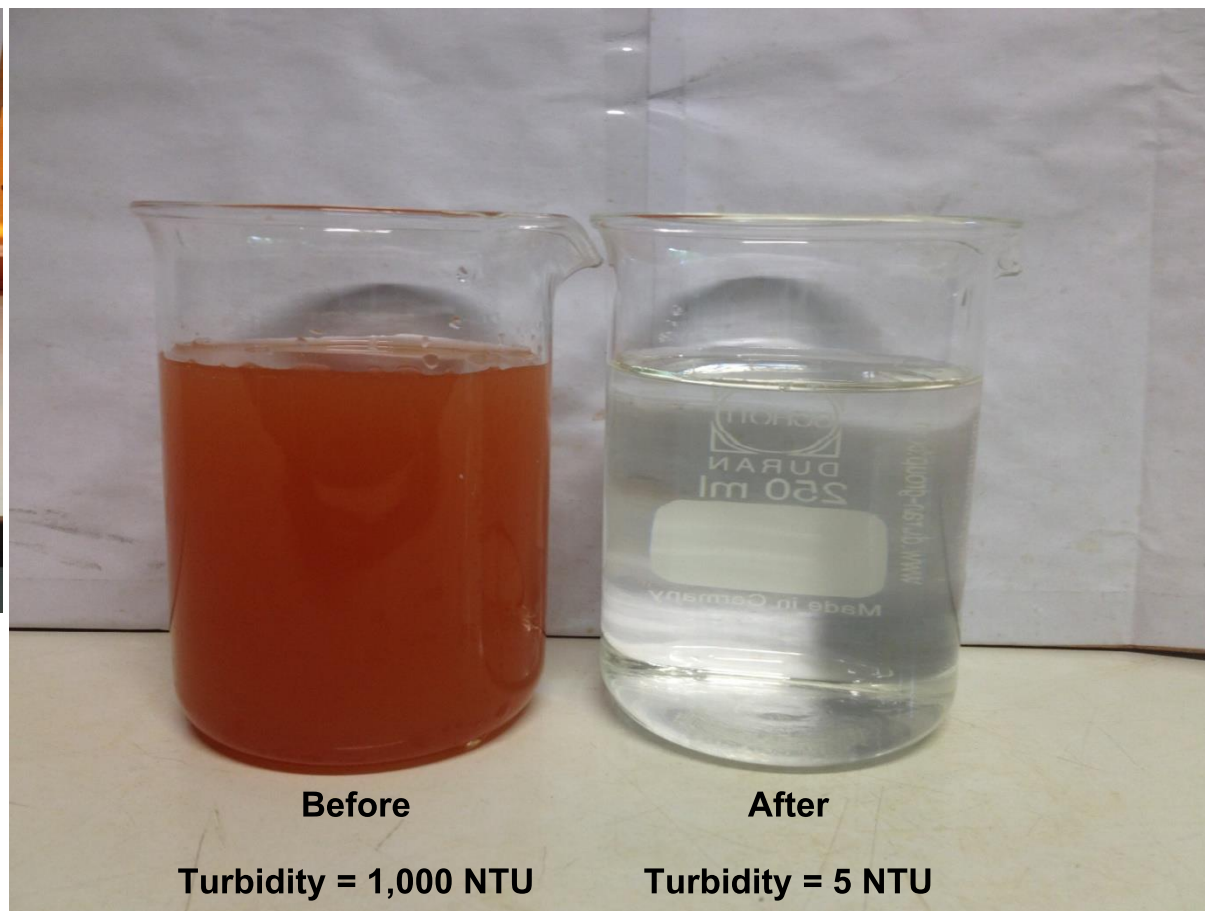
MBDAF ขนาดฟองเล็ก ลอยตะกอนขึ้นได้ดี



Solution : MBDAF for Water Treatment



MBDAF Jar Test (Turbidity) = 1,000 NTU



MBDAF in Oil & Grease Waste Water





Solution : Kitchen Waste Water

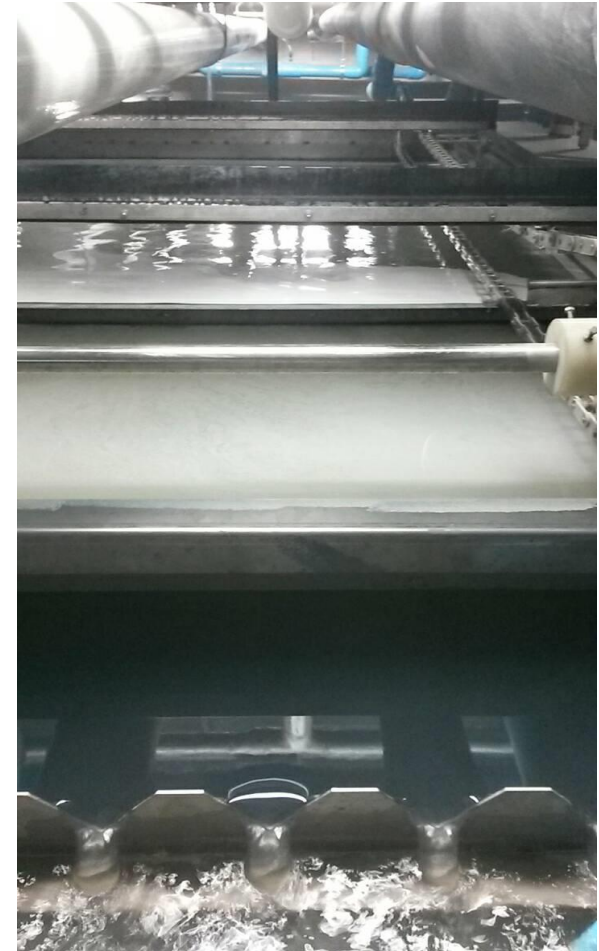
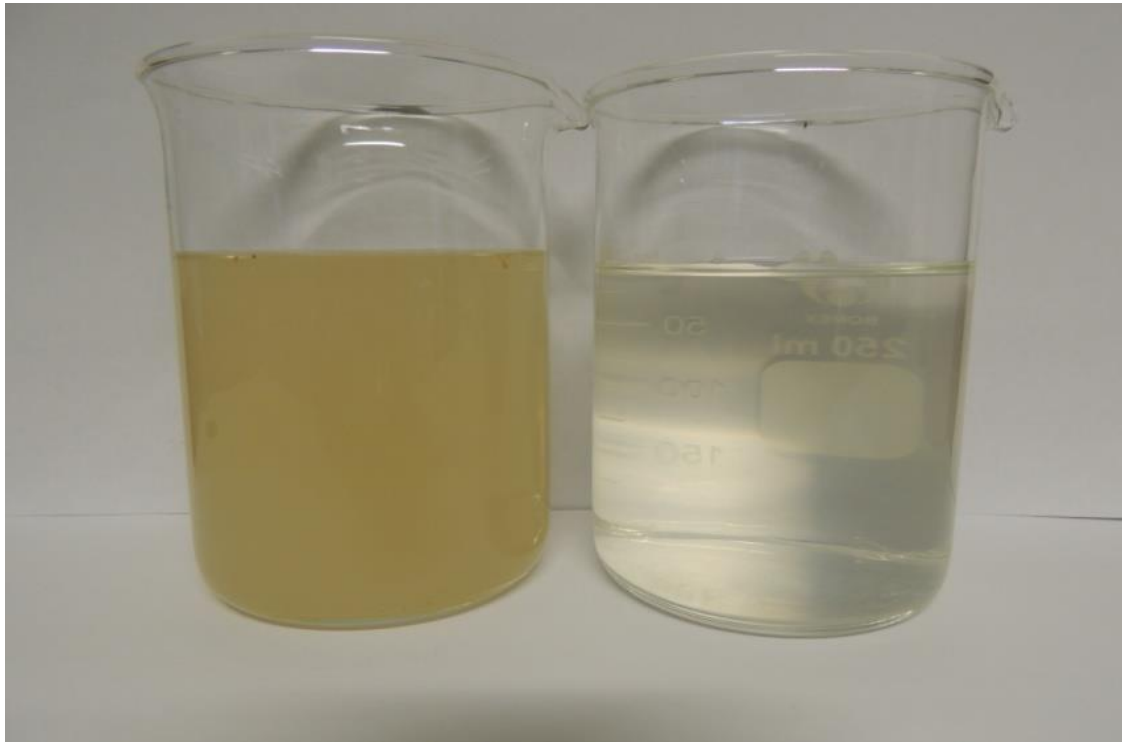
- Model : MBDAF 27N
- Capacity : 540 m³ / day
- Commissioning Date : MAY-15



MBDAF : Oil & Grease Waste Water



MBDAF : Oil & Grease Waste Water



MBDAF : Oil & Grease Waste Water

Cerebos

- Model : MBDAF 27N
- Capacity : 540 m³ / day
- Commissioning Date : Nov-15





Cerebos MBDAF : Oil & Grease Waste Water

BEFORE



AFTER



MBDAF : Oil & Grease Waste Water

EMQUARTIER

- Model : MBDAF 27N
- Capacity : 540 m³ / day
- Commissioning Date : Jan-16



MBDAF : Oil & Grease Waste Water

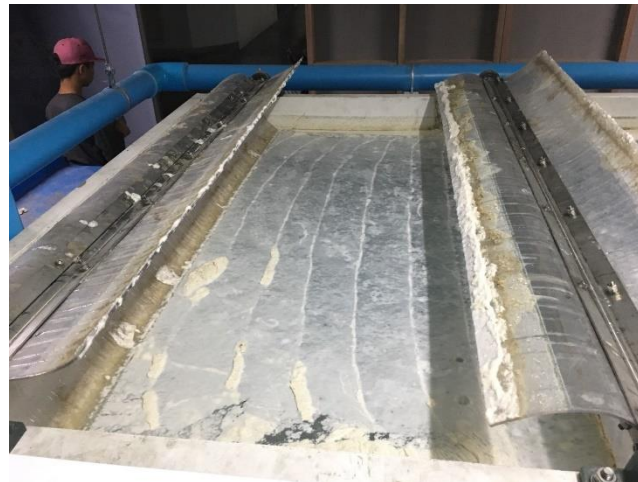
EM^QUARTIER



MBDAF : Oil & Grease Waste Water



- Model : MBDAF 4N
- Capacity : 80 m³ / day
- Commissioning Date : Dec-16





MBDAF : Kitchen Waste Water

Energy Complex Building (ENCO)





MBDAF : Kitchen Waste Water

Energy Complex Building (ENCO)



MBDAF : Oil & Grease Waste Water



- Model : MBDAF 4N
- Capacity : 80 m³ / day
- Commissioning Date : Oct-18

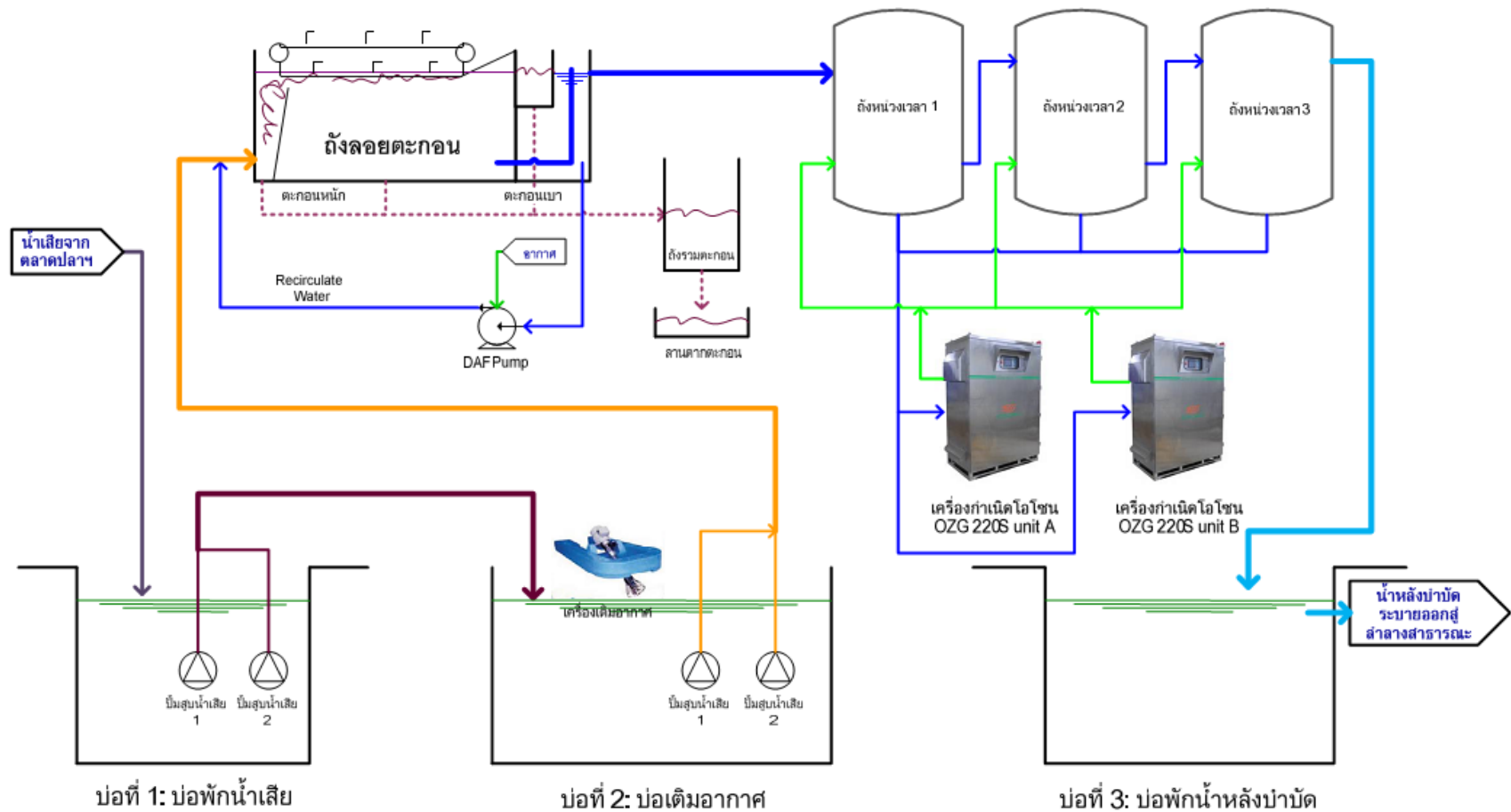


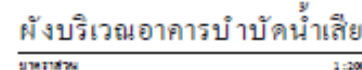
MBDAF : Oil & Grease Waste Water



Bio + MBDAF + Ozone Waste Water Treatment Plant

แผนผังแสดงกระบวนการบำบัดน้ำเสียโครงการศูนย์เกษตรและประมงแปรรูปครบวงจร จ.สมุทรสงคราม





Bio + MBDAF + Ozone Waste Water Treatment Plant

(Processed Fisheries and Agriculture Center)



Bio + MBDAF + Ozone Waste Water Treatment Plant

(Processed Fisheries and Agriculture Center)

Primary Pond



Aeration Pond



Bio + MBDAF + Ozone Waste Water

Treatment Plant

(Processed Fisheries and Agriculture Center)



ระบบลอยตะกอน MBDAF

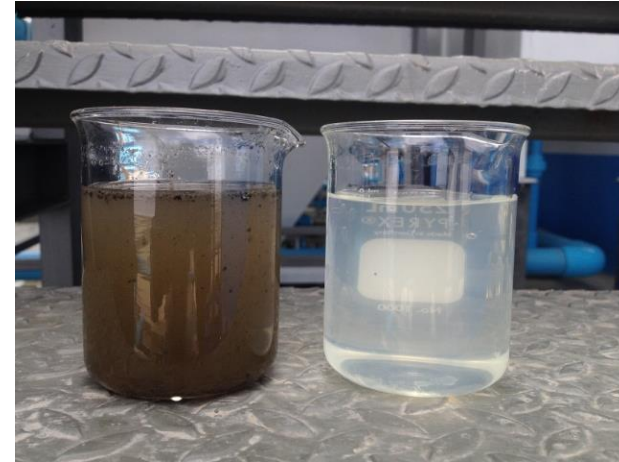
Bio + MBDAF + Ozone Waste Water Treatment Plant

(Processed Fisheries and Agriculture Center)



Ozone Treatment

จำนวน 2 ชุด

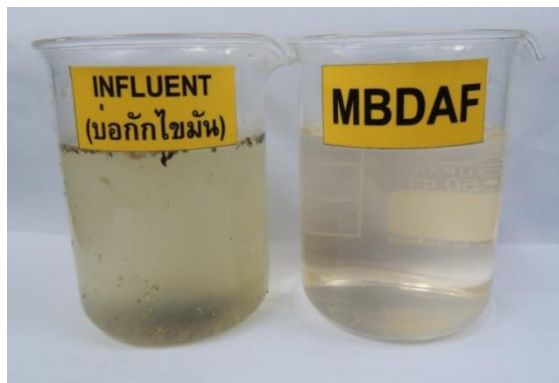


น้ำก่อนและหลังบำบัดแล้ว



PTT Public Company Limited (Petrol Station Kluaynamthai)

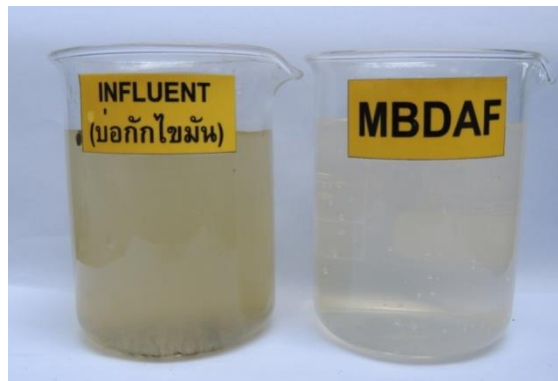
- Model : 1 x MBDAF 1N
- Capacity : 1.0 m³ / Hr.
- Commissioning Date : Mar.-15





PTT Public Company Limited (Petrol Station Sam Yaek Phichai)

- Model : 1 x MBDAF 1N
- Capacity : 1.0 m³ / Hr.
- Commissioning Date : Mar.-15

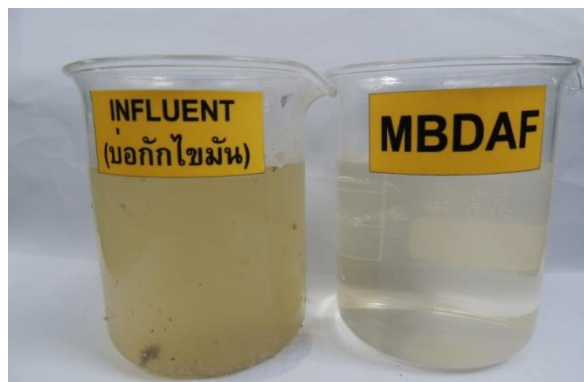




PTT Public Company Limited

(Petrol Station Charan Sanit Wong 94)

- Model : 1 x MBDAF 1N
- Capacity : 1.0 m³ / Hr.
- Commissioning Date : Mar.-15





PTT Public Company Limited (Petrol Station Song Prapha)

- Model : 1 x MBDAF 1N
- Capacity : 1.0 m³ / Hr.
- Commissioning Date : Mar.-15





PTT Public Company Limited (Petrol Station Sutthisan)

- Model : 1 x MBDAF 1N
- Capacity : 1.0 m³ / Hr.
- Commissioning Date : Mar.-15





PTT Public Company Limited (Petrol Station Nong Khaem)

- Model : 1 x MBDAF 1N
- Capacity : 1.0 m³ / Hr.
- Commissioning Date : Mar.-15





PTT Public Company Limited (Petrol Station Bang Khun Thian)

- Model : 1 x MBDAF 1N
- Capacity : 1.0 m³ / Hr.
- Commissioning Date : Mar.-15





PTT Public Company Limited (Petrol Station Lasalle)

- Model : 1 x MBDAF 1N
- Capacity : 1.0 m³ / Hr.
- Commissioning Date : Mar.-15





Reuse Water & Tap Water

Model : MBDAF 110S + MBDAF 70+ OZG 300S

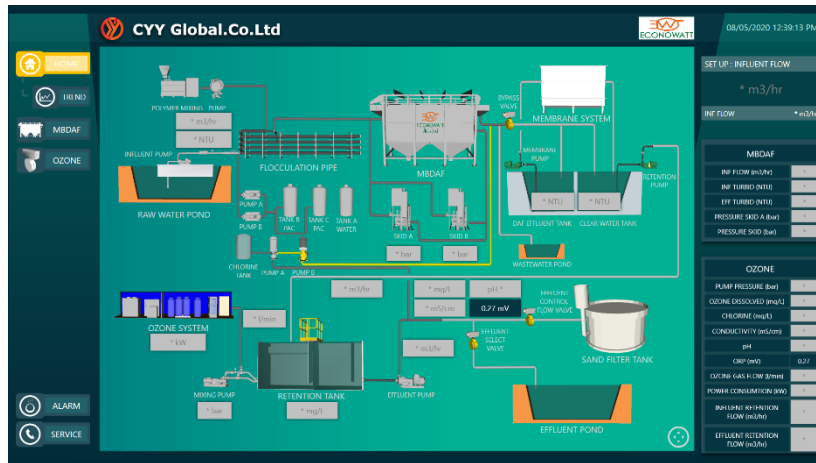
Capacity : 3,000 m³ / day

Commissioning Date : 2020





Reuse Water & Tap Water





Reuse Water & Tap Water



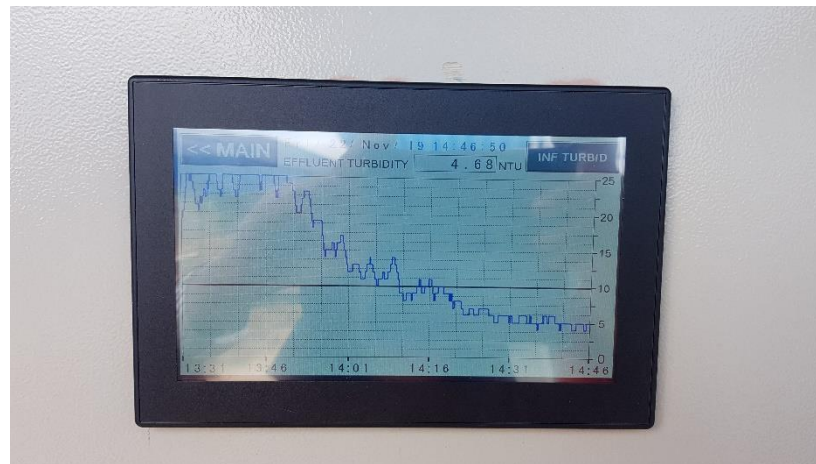


Reuse Water & Tap Water





Reuse Water & Tap Water



Reuse Water



- Model : MBDAF 110S
- Capacity : 2,200 m³ / day
- Commissioning Date : Apr-17





Eastern Sugar And Cane
Public Company Limited

Reuse Water


ECONOWATT
อีโคโนวัตต์





PTT Public Company Limited (Petrol Station Saraburi)

- Model : 1 x MBDAF 1N, 1 x OZG 40N
- Capacity : 0.5 m³ / Hr.
- Commissioning Date : Apr-13
- Install Area : 1.5 x 2.0 m²





PTT Public Company Limited (Petrol Station Chiang Khan)

- Model : 1 x MBDAF 1N, 1 x OZG 20N
- Capacity : 1.0 m³ / Hr.
- Commissioning Date : Apr-14
- Install Area : 4.5 x 6.0 m²





PTT Public Company Limited (Petrol Station West Kanchanaphisek Road)

Model : 1 x MBDAF 1N, 1 x OZG 20N

Capacity : 1.0 m³ / Hr.

Commissioning Date : Feb-15

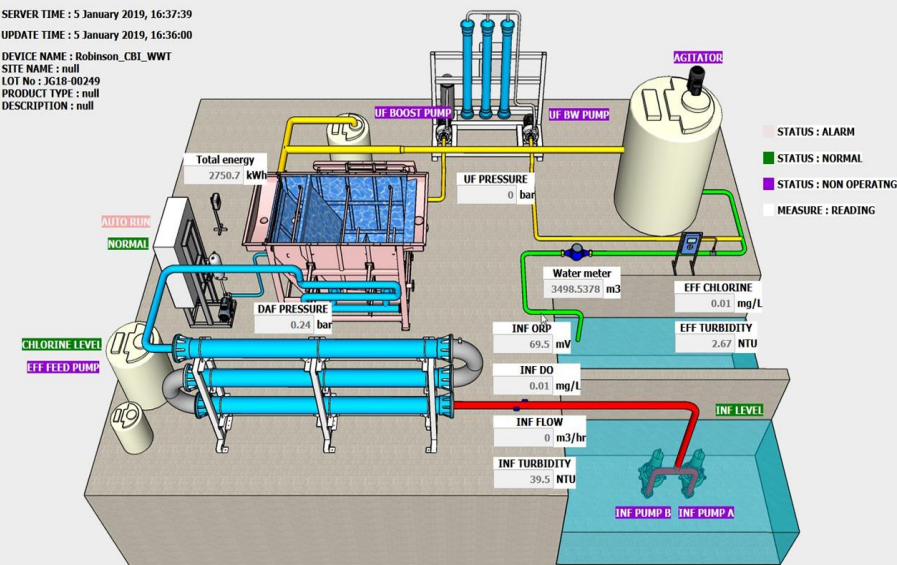




Type Solution : Toilet Flushing
Project Name : Robinson Lifestyle Chonburi
Capacity : 100 cu.m/day



SERVER TIME : 5 January 2019, 16:37:39
UPDATE TIME : 5 January 2019, 16:36:00
DEVICE NAME : Robinson_CBL_WWT
SITE NAME : null
LOT No : 3G18-00249
PRODUCT TYPE : null
DESCRIPTION : null



Type Solution : **Sprinkler**

Project Name : **Uttaradit Housing Village**

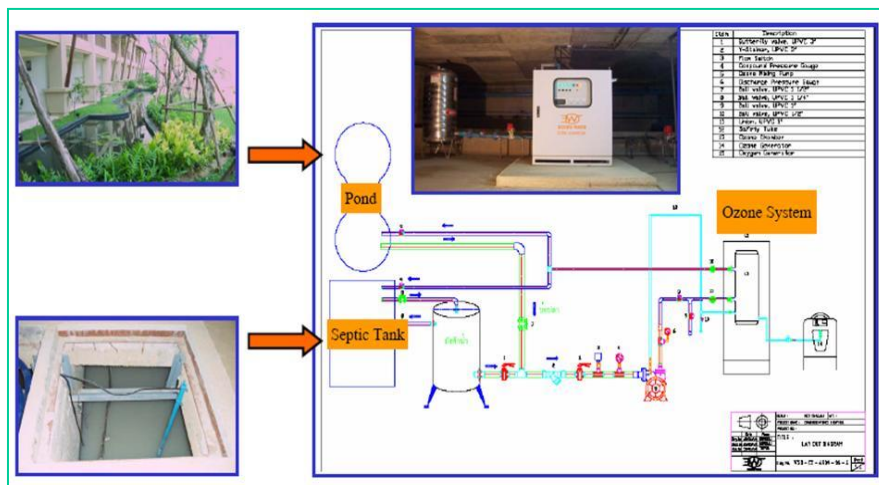
Capacity : **10 cu.m/day**





Ravindra Beach Resort & Spa (Pattaya)

- Model : 2 x OZG 30N
- Commissioning Date : Feb-08



Solution : EHR for Remove Hardness from Cooling Tower Water



Solution : EHR for Remove Hardness from Cooling Tower Water



- Reduce 80% Hardness of Concentrate Water, Singha Beverage Factory

Solution : Smart Softener and Smart RO



Solution : Smart Softener and RO Water System

RO Water System 10 m³ / hr

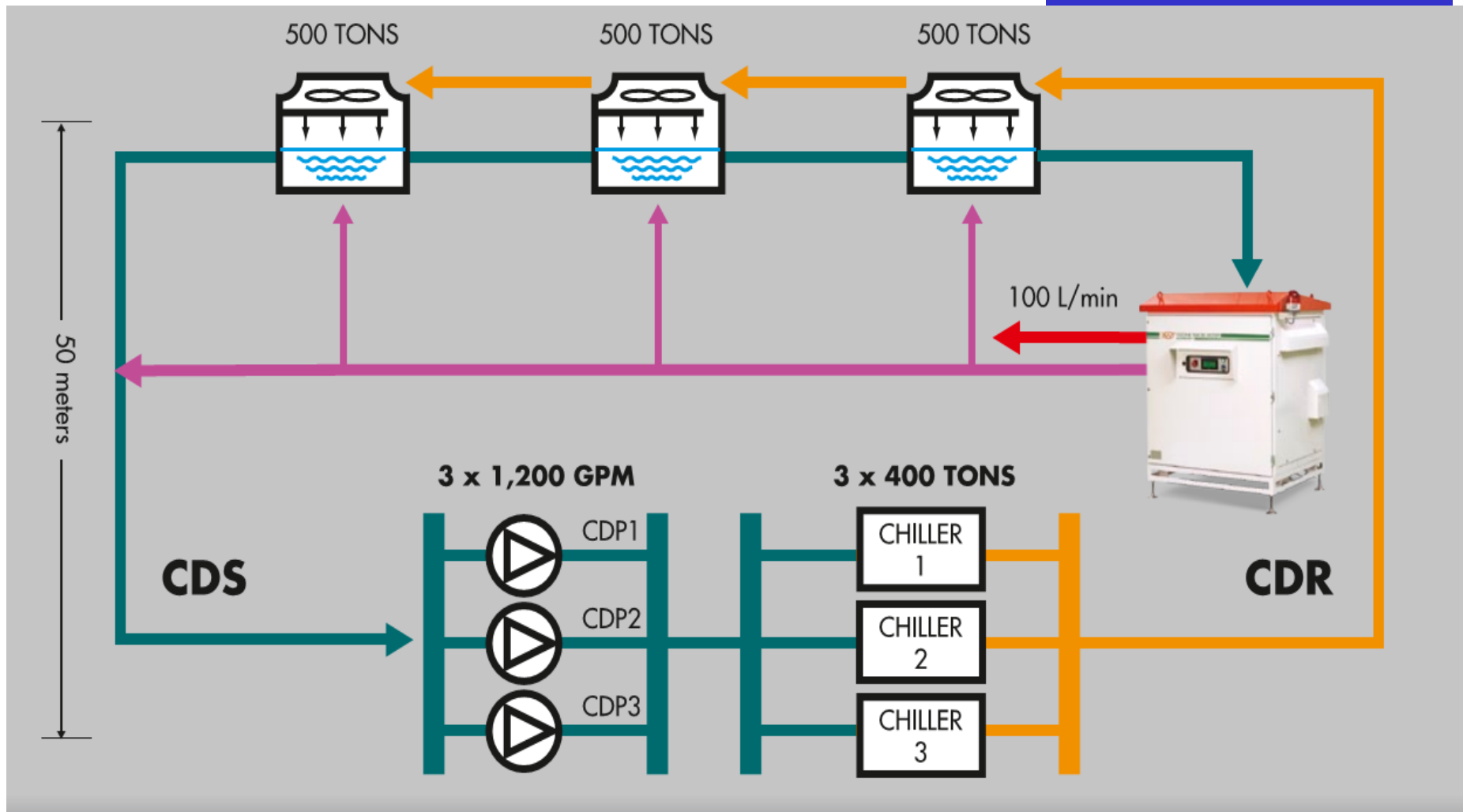


RO Water System 60 m³ / hr

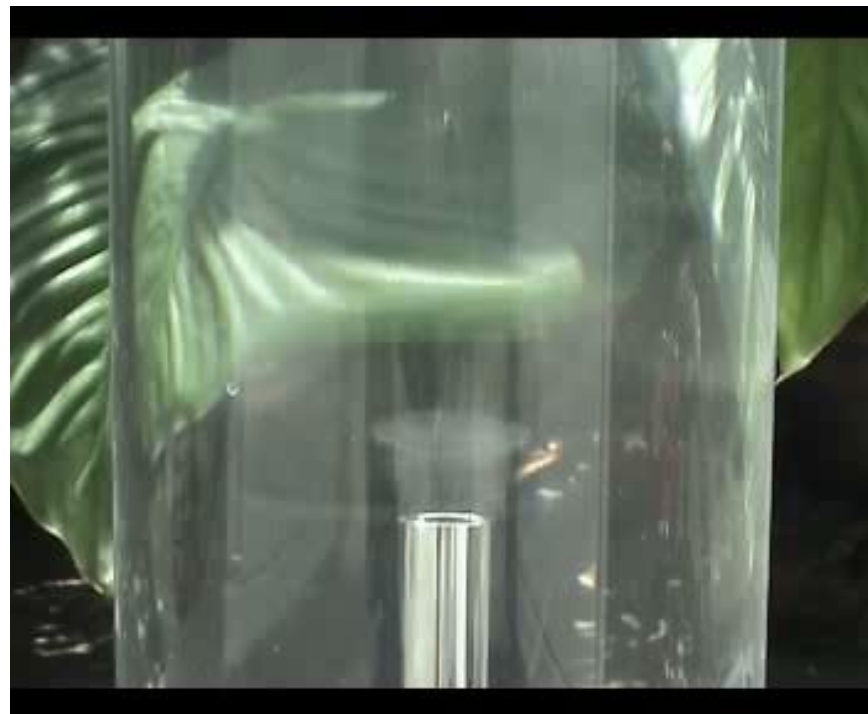


Solution : Ozone for Condenser Water

Animation



Solution : Ozone for Condenser Water



Solution : Ozone for Condenser Water



Solution : Ozone for Condenser Water



Solution : Ozone for Condenser Water


a Western Digital company



Solution : Ozone for Condenser Water



Solution : Ozone for Condenser Water



- DEDE Training Center, Ministry of Energy



- European Food Public Company Limited



- Toshiba Camaley (Philippines)



- Fashion Island Department Store

Solution : Ozone for Condenser Water



- DEDE Training Center, Ministry of Energy



- European Food Public Company Limited



- Toshiba Camaley (Philippines)



- Fashion Island Department Store

Solution : Ozone for Condenser Water



• Faculty of Medical, Khonkan University



• Pitsanuvej Hospital (Pitsanulok)



• PTT Head Quarter



• Sanko Gosei (Rayong)

Solution : Ozone for Condenser Water



• United Winery and Distillery



•Energy Complex Building, PTT



• Seagate Technology (Nakhon Ratchasima)



•BAM Building, Bangkok

ตัวอย่างการติดตั้งระบบโอโซนเพื่อบำบัดน้ำคอนเดนเซอร์



• National Parliament (Papua New Guinea) • Mactan-Cebu International Airport (Philippines)



• Sapporo Product Inc. (Philippines)



• Toshiba Information Technology (Philippines)

Solution : Ozone for Condenser Water



•Solaris (Philippines)



•One E Com (Philippines)



•Prince Mahidol Hall (Nakornpathom)



•Robinson Department Store (Ayuthaya)

Solution : Ozone for Condenser Water



•NEC Infrontia Thai Limited



•Queen Sirikit National Institute of Child Health



•N Mart Plaza



•Robinson Department Store (Bangruk)

Solution : Ozone for Condenser Water



•Thai Only One (Rayong)



•United Metal Work (Samutprakarn)



•SB Furniture Rachapruerk



•Pepsi Cola Trading (Lampoon)

Solution : Ozone for Condenser Water



•Harbor Point (Philippines)



•Wilcon (Philippines)



•One Evotech (Philippines)



•U.P. Ayala Land TechnoHub (Philippines)

Solution : Ozone for Condenser Water



• Mahitaladhibesra Building (Bangkok)



• HGST (thailand) co., Ltd. (Prachin buri)



• HGST (thailand) co., Ltd. (Prachin buri)



• Essentra co., Ltd. (Bangkok)

Solution : Ozone for Swimming Pool



•British International School, Phuket



•Olympic Standard Pool

•Eliminate Chlorine in Swimming Pool

Solution : Ozone for Swimming Pool

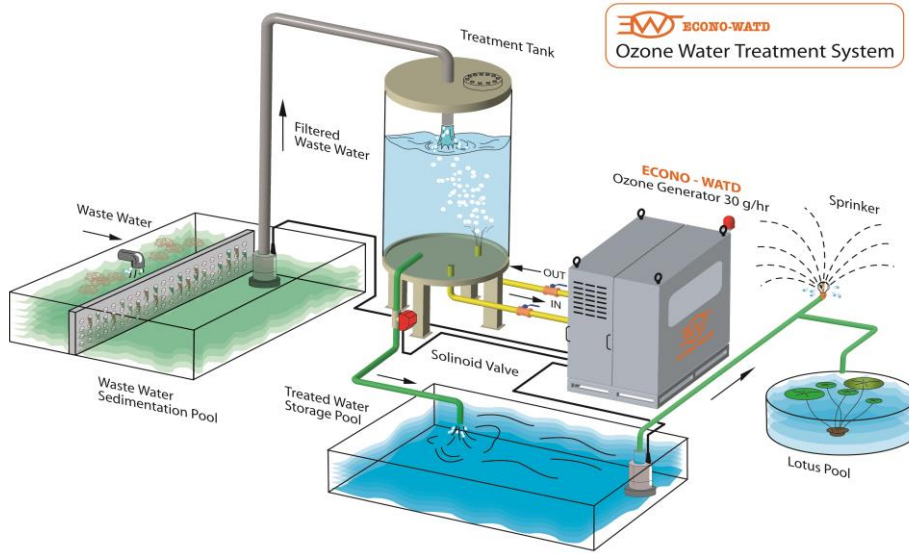


•British International School, Phuket

•Child pool

•**Eliminate Chlorine in Swimming Pool**

Solution : Ozone for Recycle Water



โรงแรม ราวิந்தราบีช รีสอร์ท แอนด์ สปา พัทยา

Solution : Ozone for Fountain Water Treatment



มหาวิทยาลัยเทคโนโลยีราชมงคลรัตนโกสินทร์ ศาลา นครปฐม

Solution : Ozone for Disinfection Water

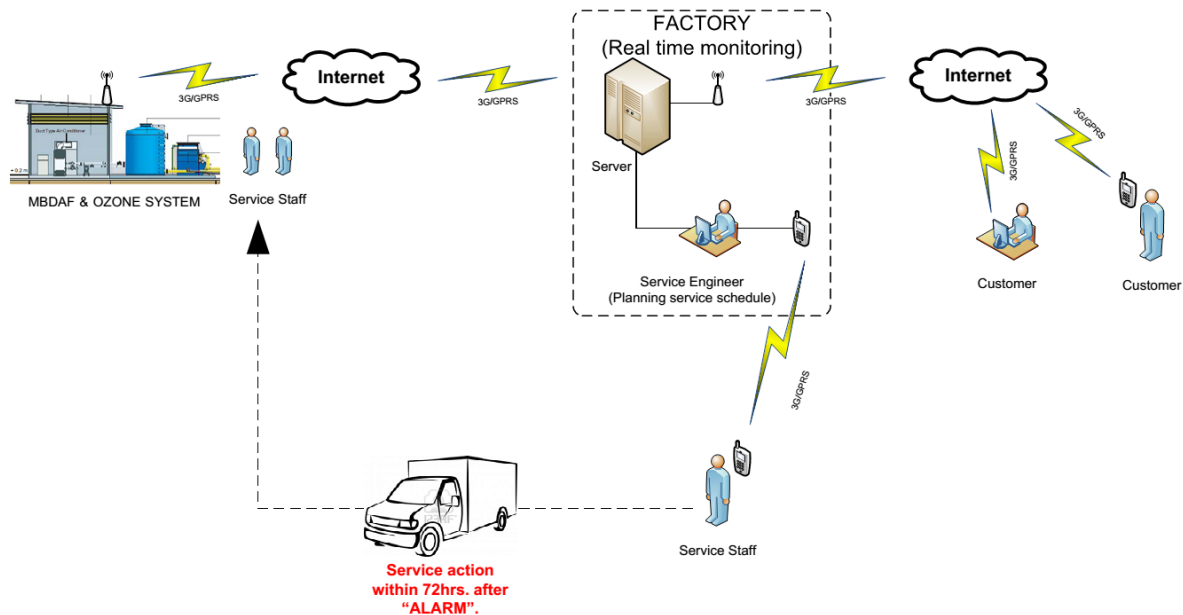
Model : 1 x OZG 50N

Capacity : 30 m³ / Hr.

Commissioning Date : Oct-15



Service and Maintenance with Guaranteed Energy Saving Contract





ติดต่อช่างบริการ