



GreenPro

COMPANY PROFILE

**PACKAGE WASTEWATER
TREATMENT PLANTS**



www.greenpro.ph

"GREEN IS GOOD"



GreenPro Enterprises offers environmentally focused products such as package type sewage/wastewater treatment plants, Dissolved Air Floatation (DAF), Dewatering, and Pretreatment machines. Our revolutionary G-Cube and G-Bro Series treatment plants utilizes Membrane Bio-Reactor (MBR) and Moving Bed Biofilm Reactor (MBBR) technologies to effectively treat wastewater at the fraction of cost and size of conventional centralized treatment plants.

Mission Statement

GreenPro Enterprises strives to be a leader in the Philippines on designing, manufacturing, importation and promotion of cutting edge and innovative products and technologies that are cost effective, of high quality, and promotes environmentally friendly and healthier living.

Company Objectives

GreenPro Enterprises gathers well-established suppliers with proven track records and match them with businesses and individuals with specific environmental protection needs. Each products and services that we offer are of high-quality substance and are tailored specifically for our customers. We work closely with our vendors and clients to make sure each requirement is carefully satisfied- paying attention to even the smallest details. We also pride ourselves with our excellent customer service and back up our products and services with a comprehensive service plan that won't leave our customers on their own once we finish our installation and commissioning commitments.

COMPANY MANAGEMENT

President:

Mr. Romeo Orio

Vice President:

Ms. Kelly Orio

Operations Manager:

Mr. Joniel Bautista

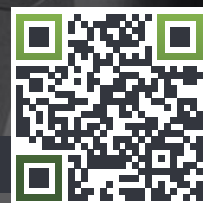
Accounting Manager:

Mr. Danilo Bagabaldo

Sales Manager:

Mr. Ale Sandigan

ABOUT US



RANGE OF PRODUCTS



PACKAGE TYPE SEWAGE/WASTEWATER TREATMENT PLANTS

This fully enclosed complete treatment facilities addresses the common problems of simplicity, cost-effectiveness, and compactibility. We use a combination of CAS, MBR, MBBR technologies to effectively treat wastewater. All the components are fitted into a container for easy setup and maintenance- a true plug and play system.



DISSOLVED AIR FLOATATION (DAF) MACHINES

GreenPro's DAF machines are used to remove total suspended solids (TSS) and excess grease prior to entering the STP from various types of wastewater. Contaminants are removed using a dissolved air-in-water solution produced by injecting air under pressure into a recycle stream of clarified DAF effluent



SLUDGE DEWATERING (Screw Type) MACHINES

Sludge dewatering machines are used to minimize handling and disposal of excess sludge that is generated by treatment plants. It uses a mechanical screw press to separate the solids from liquids minimizing waste by volume to prepare for its effective disposal.



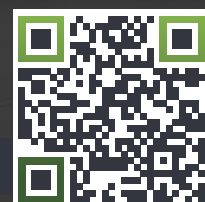
MECHANICAL BAR SCREENS

These large mechanical screens are typical installations at wastewater treatment plants. It eliminates physically the larger contaminants from water such as large solid particles, napkins, plastics, cans, and other materials prior to entering the treatment facilities avoiding clogging or damaging downline equipment.



WASTEWATER PRETREATMENT (PTP)

Pre-treatment machines filters out the finer debris and inorganic solids not separated by mechanical bar screens. It uses a combination of fine and ultra-fine screens to remove grit that can affect downstream equipment such as pumps, valves, or decrease the effectiveness of aeration or filtering equipment



PACKAGE SEWAGE/WASTEWATER TREATMENT PLANTS



G-CUBE SERIES

GreenPro's G-CUBE series is a new and unique solution to wastewater treatment that addresses the common problems of simplicity, cost effectiveness and compactibility. Our G-CUBE offers containerized package wastewater treatment plants (WTP) for easy setup and maintenance- a true plug and play system.

It uses the highly effective Membrane Bio-Reactor (MBR) ultra filtration technology to treat wastewater producing a high quality effluent that can meet DENR standards and be discharged directly to the environment or recycled for more savings.

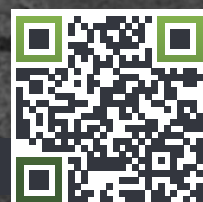
G-BRO SERIES

GreenPro's G-BRO series utilizes Moving Bed Biofilm Reactor (MBBR) system that is a state-of-the-art process of purifying wastewater by using a specialized biological technology process consisting of freely moving special plastic carrier media that provides a high surface area for biofilm (biomass) growth. This treatment can be utilized for both municipal and industrial sectors for nitrification, BOD removal, and purification of water.

HYBRID SERIES

GreenPro offers unique solutions with a "Hybrid" combination of Moving Bed Biofilm Reactor—Membrane Bioreactor (MBBR-MBR) technologies. This offers the advantages of high biomass concentration with the MBBR and the ultra-filtration advantage of MBR. Combining the two technologies increases treatment efficiency while reducing the fouling on the membrane filters.

TECHNOLOGIES



Our Package Treatment Plants comes in different sizes depending on your WTP capacity needs. As this containerized wastewater treatment plant is located inside a corrosion proof customizable steel or fiberglass container, it can be relocated and installed with ease to most locations. In most cases it is only 7-10 days installation lead time from delivery to fully operational.

TYPICAL APPLICATIONS

- ✓ Land Development / condominiums / housing / subdivision residential communities
- ✓ Remote mining, logging, and construction sites
- ✓ Medium to large Restaurants
- ✓ Recreational areas such as parks, hotels, and resorts
- ✓ Manufacturing facilities, power plants,
- ✓ Schools and other educational campuses
- ✓ Government compounds and military bases
- ✓ Hospitals, poultry farms, or other facilities with biological waste

ADVANTAGES

- ✓ Pre-engineered, pre-fabricated structures result in lower cost
- ✓ Unit is easily transported to the customer's project site
- ✓ Design allows for quick turnaround time, delivery, and installation
- ✓ Effluent discharge can be reused for irrigation or cleaning for additional savings
- ✓ Effective extended aeration principle
- ✓ Eliminates the need for long pipelines
- ✓ Regulatory standards compliant
- ✓ Custom design / application specific systems
- ✓ Scalable / Just add containers with growth
- ✓ Long service life
- ✓ GreenPro offers a comprehensive "worry-free" service plan so we take care of your system

PROVEN RESULTS

GreenPro's G-CUBE series is designed to meet DENR regulatory effluent wastewater standards (DAO 2021-19). We analyze each client's effluent waters (after septic tank) and customize each of our containers to make sure that the equipment will treat the wastewater up to standards. Each container is a complete treatment module that can be increased as the flow rate increases.

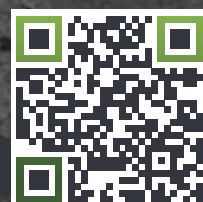
** Sample influent parameters and the after treatment values. Each facility's performance will vary according to waste produced and requested effluent standards.*

DENR APPROVED EFFLUENT STANDARDS DAO 2021-19

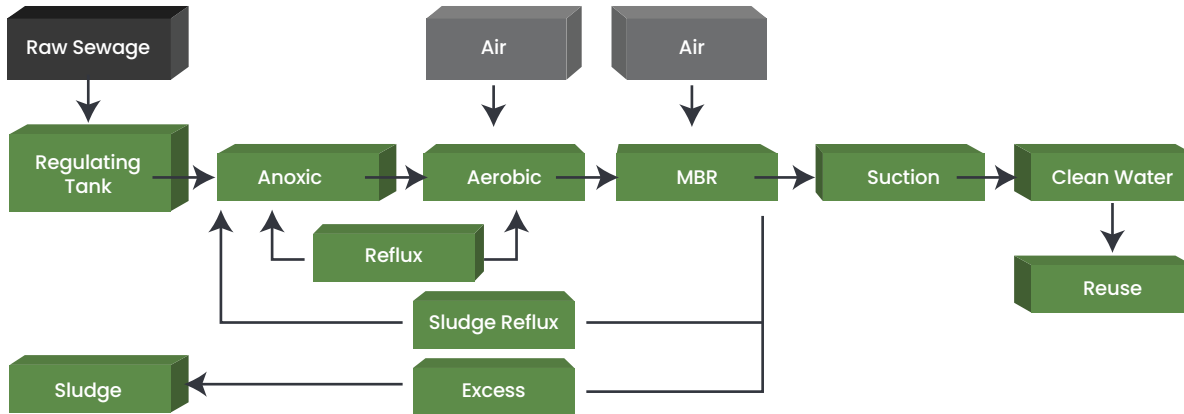
PARAMETER	INFLUENT*	EFFLUENT*
BOD (mg/L)	1500	≤30
COD (mg/L)	3500	≤60
TSS (mg/L)	1800	≤85
MBAS (mg/L)	30	10
Fecal Coliform MPN/100mL	2.8 x 10 ⁶	≤20MPN/100 mL
Ammonia (mg/L)	50	≤4
Nitrate (mg/L)	30	≤14
Phosphate (mg/L)	30	≤4



ADVANTAGES



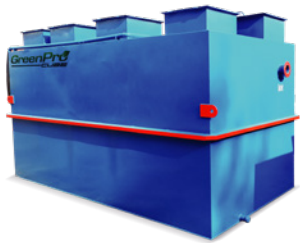
TREATMENT WORK FLOW



Our typical G-CUBE/BRO process flow diagram. Process may vary according to final design.

G-CUBE MODELS

GreenPro's Package Sewage/Wastewater Treatment Plants are modular and ranges from 10 to 500cu.m./day capacity. Our solutions are also scalable so you can start with a smaller unit and increase size with your facility's growth



G-CUBE 10

- Capacity: 10m³/day
- Dimensions: 4 x 2 x 2m
- Appx Weight: 4,000kg
- Appx Power Cons.: 3.07kW/hr



G-CUBE 20

- Capacity: 20m³/day
- Dimensions: 5 x 2 x 2.5m
- Appx Weight: 5,500kg
- Appx Power Cons.: 3.67kW/hr



G-CUBE 50

- Capacity: 50m³/day
- Dimensions: 10 x 2.2 x 2.5m
- Appx Weight: 7,500kg
- Appx Power Cons.: 5.5kW/hr



G-CUBE 100

- Capacity: 100m³/day
- Dimensions: 11.5 x 2.2 x 2.5m
- Appx Weight: 9,200kg
- Appx Power Cons.: 8.7kW/hr



G-CUBE 200

- Capacity: 200m³/day
- Dimensions: 11.5 x 5.0 x 2.5m
- Appx Weight: 18,400kg
- Appx Power Cons.: 16.5kW/hr



G-CUBE 300

- Capacity: 300m³/day
- Dimensions: 11.5 x 7.5 x 2.5m
- Appx Weight: 27,500kg
- Appx Power Cons.: 24.75kW/hr

G-CUBE MODELS



OUR PROJECTS



Atplay Hotels Inc.
Location: El Nido, Palawan
Model: G-CUBE 10 MBR



Golden Ohana Fastfood Corp
Location: San Mateo, Rizal,
Project: McDonald's Restaurant
Model: G-CUBE 10 MBR



Asian Fasfood Corp.
Location: Karangalan, Pasig City
Project: McDonalds Restaurant
Model: G-CUBE 10R MBR



Qonstech Construction Corp
Location: Surallah, South Cotabato,
Project: Surallah Public Market
Model: G-CUBE 30 MBR



Cabagan LGU
Location: Cabagan, Isabela
Project: WWTP For Municipal
Slaughterhouse



Puno Frozen Dairies Inc.
Location: Cabanatuan City,
Nueva Ecija
Project: Ice Cream Factory WWTP



Jollibee Foods Corporation
Location: Jollibee Circumferential,
Cabanatuan City
Model: G-CUBE 30D MBR



Nidel Management Group
Location: Jollibee Maimpis,
Pampanga
Model: G-CUBE 10D MBR



Golden Ohana Fastfood Corporation
Location: Nangka,
Marikina
Model: G-CUBE 10D MBR



Asiawide Land Specialist Development Corp.
Location: Abucay, Bataan
Project: Altiera Residences Phase 2
G-CUBE 100 MBR STP



Base Conversion and Development Authority
Location: Bonifacio Capital District, Taguig
Project: New Senate Hall 1500CMD Sewage
Treatment Plant



Nidel Management Group
Location: Jollibee Sindalan,
Pampanga
Model: G-CUBE 10D MBR

OUR CLIENTS

GreenPro has only started offering our package type treatment plants since 2020 and already we have gained much traction in the industry. Join our fast growing number of clientele who trusts us with taking care of their wastewater treatment!



GreenPro CUBE

PACKAGE WASTEWATER TREATMENT PLANTS

✓ CONVENIENT ✓ COMPACT
✓ AFFORDABLE ✓ EFFECTIVE

GREENPRO ENTERPRISES

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