

# ASIA'S MOST AWARDED

SUSTAINABLE TECHNOLOGIES for  
**BIOGAS-BioPOWER<sup>®</sup>, BioCNG<sup>®</sup>, BioCLEAN<sup>®</sup>**  
**WATER and WASTEWATER TREATMENT**



MARKET LEADER in SOUTH EAST ASIA.  
EMERGING GLOBAL LEADER with PRESENCE in 4 CONTINENTS.



Credentials: Awarded in France, England,  
Singapore, Germany, Indonesia & India

## Message from Founder & CEO

Dear Sir / Madam,

Greetings !

I am proud to present KIS group. You may have heard about us or have been our esteemed clients.



KIS (Knowledge Integration Services) Group was established in 2006 to provide unique Sustainable Technologies in the field of BIOCNG<sup>®</sup>, BIOGAS, WASTE WATER and WATER. In last 14 years grown from Pioneer to Market Leader in South East Asia/Asia and Emerging global Leader. We have enjoyed working with many global companies in providing the right solutions.

Our company has been built on hard work and on solid ingenious engineering applications around a dedicated team of energy oriented members with a flair for perfection in the solutions we offer. We work together with diverse perspective to make a difference in areas of Sustainability and Sustainable Clean Energy, Water Conservation and Reduction of Pollution.

Our major success in our ventures and solutions with numerous repeat orders are testimonies of our genuine collaborative spirits built on knowledge and integrating knowledge with experience and dedicated efforts towards serving our clients, employees, vendors and caring for the environment.

Hence, We are called the KIS GROUP!!!

I have every confidence that the business relationship which we form will be long lasting and mutually beneficial one and I personally stand for KIS Group Products and Services.

Thank You  
Kind Regards,

**K R Raghunath**, Founder & CEO  
KIS Group

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# Complete Turnkey Solution Provider for

## WASTES



Effluent from Industries



Poultry Waste



Pig Waste



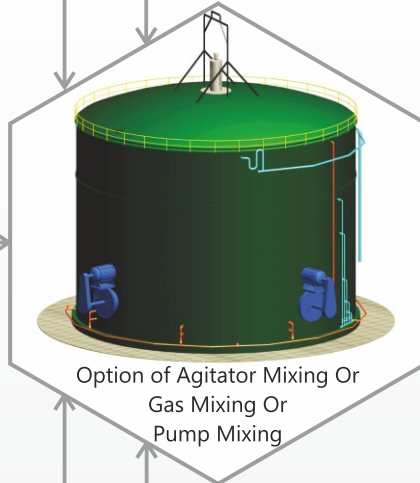
Municipal Solid Waste & Food Waste



Cowdung, Pressmud & Mixed Organic Waste

## ZPHB® REACTOR/BIOGAS GENERATION

Different designs of **ZPHB®** Reactor for different Feed stocks / Substrates



Option of Agitator Mixing Or Gas Mixing Or Pump Mixing



Sludge-By Product for Biocompost / Fertiliser

## BioPower®



Gas Holder



Biogas Burner for use in Boiler

Methane (60%-65%)

Without Scrubber

Scrubber



BIOGAS Engine



Within Factory & Domestic Load



Export to Grid



ALL WASTES ARE HIDDEN TREASURE

KNOWLEDGE + PROVEN

KIS



# Waste (Liquid & Solid) to Wealth & Health™

## USEFUL VALUE ADDED PRODUCTS

### BioCNG®

BIOCNG®  
Compressor  
200 bar(g)



Methane  
(96 - 99.5%)



PSA System

OR

Methane  
(96 - 99.5%)



Membrane System

If distance is too far for piping  
then compressed Biogas (BIOCNG®)  
is transported in Cylinder cascades

### BioCNG® APPLICATIONS VEHICLES & OTHERS

BIOCNG® Vehicle  
filling Station



Fuel for Transportation  
Option -1: 100% BIOCNG®  
Option -2: 50% BIOCNG® & 50% Diesel



Trolley Mounted BIOCNG®  
Cascades for Transportation



Truck Mounted BIOCNG®  
Cascades for Transportation



Bulk Transport of BIOCNG®



Boilers



GENSET - Fuel using as  
Option - 1: 100% BIOCNG®  
Option - 2: 70% BIOCNG® & 30 % Diesel



Industrial/Cutting Application



BIOCNG® Feed to Natural Gas Grid Line

Profits



TRACK RECORD + EXPERIENCE

GROUP



# ASIA'S FIRST COMMERCIAL BioCNG<sup>®</sup> DISPENSER

40 TPD Cowdung & Potato Waste | Biogas Generation: 2000 m<sup>3</sup>/Day



**Waste to 4 Benefits  
BioCNG<sup>®</sup>, Solid Fertiliser,  
Liquid Fertiliser & Carbon Credits**









## Another Successful Project in Indonesia | Under CDM-PoA Registration.

Overall we have commissioned 35 BIG, Waste to Energy projects. The prestigious CITRA BORNEO INDAH (CBI Group), PT Sawit Sumbermas Sarana Tbk (SSMS) has a 2.4 MW capacity Biogas power plant. Our first project in Pangkalanbun, Central Kalimantan operating successfully since December 2018.



## Another Successful Biogas Project at PTPN 5 Palm Oil Mill, Riau.

Commissioned in September 2020







1670 KW Biogas Power Plant | Successfully Operating Since August 2015  
Installed capacity of gas engine-835 KW x 2 Total - 1670 KW  
ZPHB® reactor details - 2 nos of 4555 m<sup>3</sup>each. Methane Content - 60%  
Excess Biogas used in boiler with Biogas burner.



Success Story: Biogas Power Plant -1670 KW





2134 KW Biogas Power Plant | Successfully Operating Since July 2015  
Installed capacity of gas engine-1067 KW x 2 Total - 2134 KW  
ZPHB® reactor details - 2 nos of 4555 m<sup>3</sup>each. Methane Content - 60%  
Excess Biogas used in boiler with Biogas burner.


### Sharing of Success in LinkedIn in May 2019 by Sinarmas Group after 4 years of Operation

Home About Jobs Life Insights

**Golden Agri-Resources (GAR)** 39,098 followers 1w

To reduce greenhouse gases, we turn waste from processing fresh fruit bunches, into biogas for use as energy.

Meet Edward Sipayong, Manager at our Libo Biogas Plant. He shares his experience working there, and why our zero waste practices are important <http://bit.ly/2VCw1TQ>  
**#biogas #sustainability #palmoil #zerowaste**



### Testimony of Client

**Our biogas plants help in responsible palm oil production processes: zero waste, increased energy efficiency, and reduced greenhouse gases.**



Success Story: Biogas Power Plant - 2134 KW



PT. AGRO MUKO | Successfully Operating Since May 2013

Muko Muko, Indonesia ZPHB<sup>®</sup>, Higher Biogas<sup>™</sup> Technology 1.2 MW Power Export to PLN and Excess Biogas used in boiler.

**CDM-PoA Registered Project. Proudly Earning Carbon Credits / Revenue Yearly. 59614 CERs Issued in 2019 & Revenue from sale of CERs.**



16<sup>th</sup> May 2013  
Opening Ceremony & Signing on Plaque by MD of SIPEF Group



Biogas Plant & Biogas Engine 1067 KW  
Provision given for another 1067 KW Gas Engine in future



Export of Biogas Power to Grid (PLN)

**Success Story:**

- This Biogas project developed jointly by KIS Group (55% Investment) & PT. Agro Muko (45% Investment).
- This project is FIRST- CDM-PoA registered in South East Asia & Biogas was used in Boiler for nearly 4 years.
- After successful operation/performance for more than 2 years in October 2015, PT. Agro Muko bought back 55% shares from KIS. PT. Agro Muko became 100% owner in 2015.
- In 2016 PT. Agro Muko awarded contract to KIS Group to install complete 1.2 MW power plant with power export facilities to PLN.





PT. TOLAN TIGA | Successfully Operating Since Dec 2016  
4<sup>th</sup> Repeat order from SIPEF Group  
4<sup>th</sup> Successful project officially inaugurated on 16<sup>th</sup> Dec 2016



16<sup>th</sup> Dec 2016  
Opening  
Ceremony &  
Signing on  
Plaque by MD of  
SIPEF Group



Biogas plant of  
designed 23,256 m<sup>3</sup>/d  
performance  
achieved 28,341  
m<sup>3</sup>/day  
20% higher performance



Biogas blower &  
Biogas burner.

Biogas used in  
Boiler to save  
palm kernel shell



This project replaced  
7 year old covered  
lagoon project



Repeat order from SARIMAS Group, 1<sup>st</sup> Phase 2.5 MW Commissioned in March, 2017  
 2nd Phase 2.5 MW Commissioned in April 2019 successfully operating since 3 years.



**Cocomas**

LARGEST BIOGAS PROJECT  
 In Indonesia / South East Asia  
 2 Nos ZPHB<sup>®</sup> Digesters of  
 each 12,800 m<sup>3</sup>  
 BIOGAS - 1847 m<sup>3</sup>/hour



**PT. SAM, Astra Group**

Hulu Sungai Selatan, Indonesia  
 BIOGAS - 1053 m<sup>3</sup>/hour  
 Successfully Operating Since April, 2014



**Dekeleoil**

Ivory Coast

BIOGAS-511 m<sup>3</sup>/hour  
 First ZPHB<sup>®</sup> Project for POME in Africa  
 Successfully Operating Since August, 2018







Exporting  
Biogas Power  
to Grid



PT. Meskom, Indonesia  
Indonesia & World's First Project:  
ZPHB®, Zero Pond™, Zero Pollution™  
Higher Biogas™ Technology  
Operating Successfully  
since January, 2013

One of the first project to  
export Biogas Power to the  
State Electricity Grid



Indonesia

PT. MAI

Kalimantan,

BIOGAS 1089 m<sup>3</sup>/hour

Successfully Operating Since July, 2013

**CDM-PoA Registered Project.**  
**Proudly Earning Carbon**  
**Credits / Revenue Yearly.**



PT. Rafi Kamajaya Abadi  
Kalimantan Barat, Indonesia.

BIOGAS - 813 m<sup>3</sup>/hour

Zero Pond™, Zero Pollution™

Successfully Operating Since October, 2017

**Under CDM-PoA Registration**





**SIPEF**

Papua New Guinea

Barema Kimbe  
 BIOGAS - 810 m<sup>3</sup>/hour  
 Successfully Operating Since April, 2014

**CDM Registered Project.  
 Proudly Earning Carbon Credits**

**60811 CER Issued in 2019 &  
 Revenue from sale of CERs.**

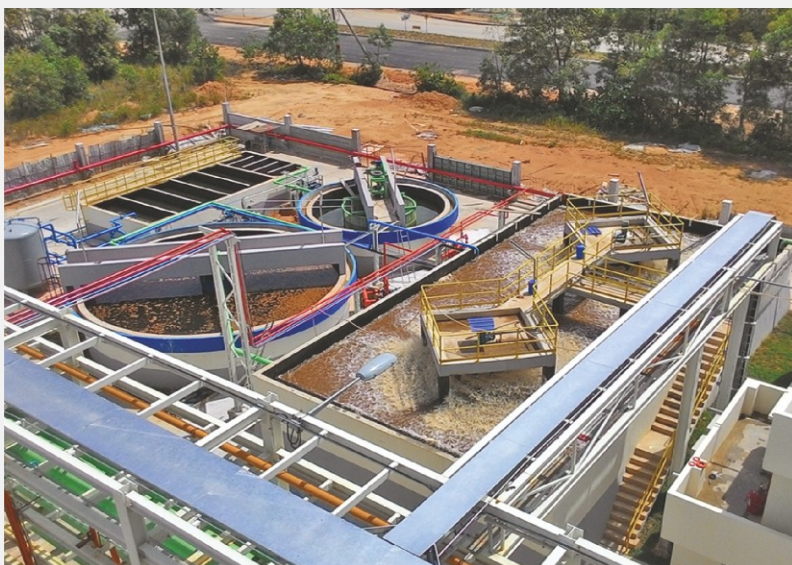


**SIPEF**

Indonesia

PT. UMBUL MAS WISESA  
 Rantau Prapat  
 BIOGAS - 1105 m<sup>3</sup>/hour  
 Successfully Operating Since August, 2014

**CDM Registered Project.  
 Proudly Earning Carbon  
 Credits / Revenue Yearly**



EVYAP - Turkey  
 Johar Bahru,  
 Malaysia

BIOGAS - 213 m<sup>3</sup>/hour  
 Successfully Operating Since June, 2014

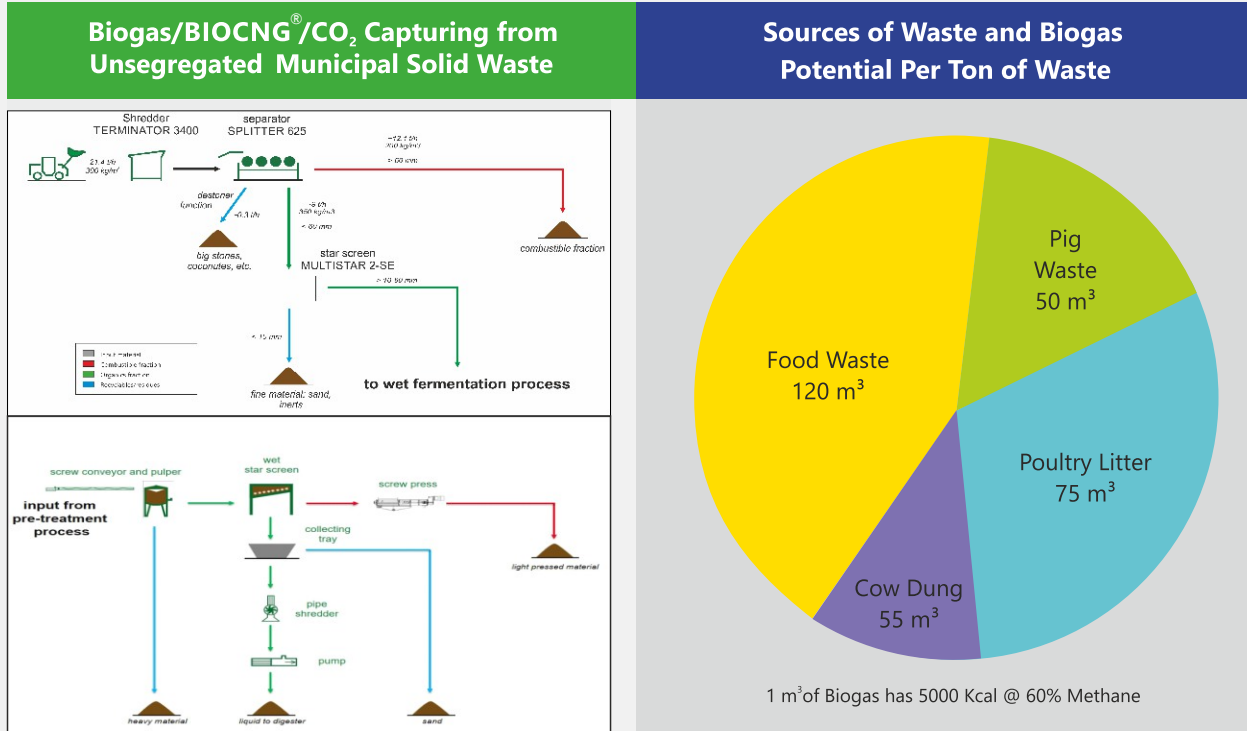
First Zero Pond™ & Biogas Project In Papua New Guinea & First ZPHB® Technology for Oleochemical in Malaysia



# Solid Waste to Wealth and Health™

KIS Group has provided suitable solution for handling the MSW in a more efficient & productive way. The waste collected is unsegregated with all inert, plastics, bottles, cloths, metals, glass which are separated during the pre-treatment stage. All the other wastes treatment plants have failed because of the lack of project designing for the pre-treatment of the waste.

KIS Group's pre-treatment facility is one of the best designs and the wet waste is effectively segregated subjected to pulping and then fed into the Anaerobic Digester which produce biogas, BIOCNG® which is a source of revenue/Energy. The substrate discharged from the reactor is a good manure which can be bagged & sold to farmers.



## EXISTING LANDFILL CLOSURES OF DUMPING MUNICIPAL SOLID WASTE GROUNDS BY USING SEGREGATION & BIO-METHANATION PLANT



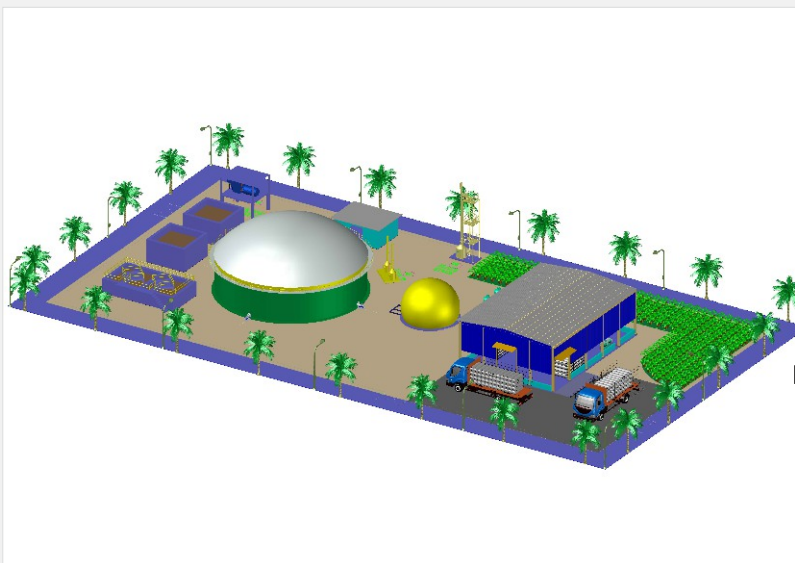


## BIOGAS / BIOCNG<sup>®</sup> From MSW, Sludge & Chicken Litter



**Torrent Pharma  
Gujarat-India**

30 M<sup>3</sup> ETP Sludge + 500 Kg Canteen  
Food Waste at their factory  
Biogas Generation: 123 m<sup>3</sup>/ Day  
Application : Captive use for  
cooking in canteen.



**Next Era Energy Pvt Ltd  
Nepal**

Biogas Generation: 3000 m<sup>3</sup>/ Day  
30 TPD Organic MSW + Cowdung +  
Poultry Litter+Green Agricultural Waste  
Reactor Volume: 2000 m<sup>3</sup>  
BIOCNG<sup>™</sup> Generation: 700 Kg / Day  
Methane : 96.97%  
Application: Vehicle Use & Household.



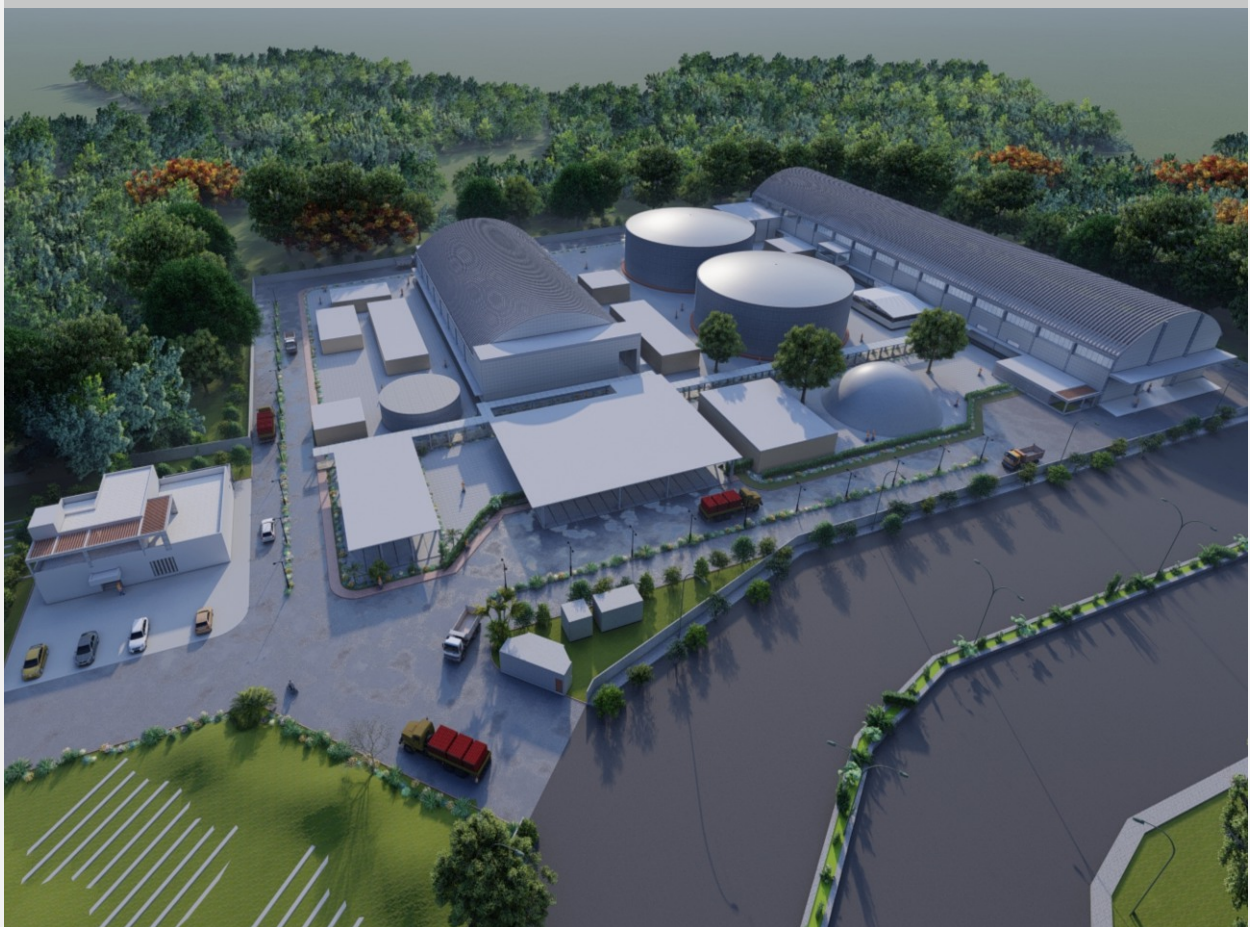
## BIOGAS / BIOGAS<sup>®</sup> From Municipal, Food & Mixed Waste

KIS Group is a pioneer in treating food waste which are rich source of organic matter and disposal attracts flies, mosquitoes which acts as breeding ground. Moreover space constraint, methane release during decomposition, odour etc. are some of the problems associated with disposal. The best solution is to use this food waste which is a source of energy back to captive use. ZPHB<sup>®</sup> reactor converts this food to biogas which can be used as fuel in the kitchens/Canteens.

The digested substrate produces organic fertilizer which can be used for gardening in the Institutions. The effluent is treated in ETP and can be reused for flushing the toilets and other gardening applications.



### Under Construction 300 tons / day Municipal Waste to BioGAS<sup>®</sup> Projects in Gujrat, india





# BIOCLEAR<sup>®</sup>, BIOPOWER<sup>®</sup>, BIOCNG<sup>®</sup> Technologies

As shared in our major success stories before, we offer complete commercial applications of Biogas from cleaning & upgrading of Biogas with our proven & successful BIOCLEAR<sup>®</sup> and BIOPOWER<sup>®</sup> Technology.

## BIOCLEAR<sup>®</sup> - Different types of H<sub>2</sub>S SCRUBBERS

We design and provide highly efficient Chemical, Biochemical & Biological scrubber for removing H<sub>2</sub>S from Biogas.

The removal of H<sub>2</sub>S makes it suitable for the use in different Biogas engines. The removal of H<sub>2</sub>S is as low as required by the client with our Chemical and Biological scrubber.

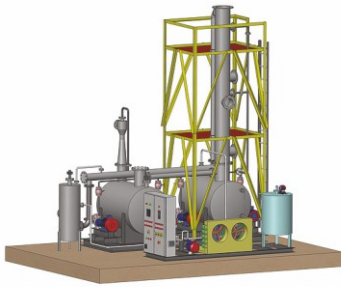
## Applications of BIOGAS with BIOPOWER<sup>®</sup> & BIOCNG<sup>®</sup>

With our BIOPOWER<sup>®</sup> solutions we provide the end uses/ application of Biogas for Energy generation/production uses.

We provide solutions to use Biogas in Boiler & Gas Engine. With this we provide end to end solution for Biogas from generation to commercialization.

## BIO-METHANATION & BOTTLING

The process of removal of CO<sub>2</sub> & other impurities from Biogas provides purified methane. The PSA (Pressure Swing Adsorption), water scrubber, membrane separation & cryogenic separation technologies are provided as required. Biogas quality is upgraded to above 96% - 99.5% methane for bottling and fed to natural gas grid line. The bottled Biogas can be used for industrial applications and also used in vehicles.



## Waste Water / Effluent Treatment Plant

We are providing complete turnkey solutions for waste water / effluent treatment for all types of effluents. Our treatment scheme comprises of Primary treatment, Biological treatments (ASP / MBBR / SBR / MBR), Tertiary treatment and Sludge management. The scheme will vary based on effluents & end user requirements.

### MBR (Membrane Biological Reactor)

Membrane Bio Reactors provide a very compact, robust, simple effluent treatment plants that are capable of producing very high quality effluents. It is designed to achieve high quality effluent within a small overall foot print.

The MBR process utilises the well proven activated sludge process, but replaces conventional final settlement with an ultrafine membrane which effectively filters the final effluent.

#### Benefits of MBR Technology:

- The membrane is an extremely effective solids separation device.
- High removal efficiency results in a very high effluent quality.
- Simplicity of system design.
- No requirement for final settlement tanks.
- Offers bacterial removal without the need for complicated ultra violet radiation system.

### MBBR (Moving Bed Bio Reactor)

MBBR (Moving Bed Bio Reactor) technology is based on the biofilm principle with an active biofilm growing on small specially designed plastic carriers that are kept suspended in the reactor.

The carriers are designed to provide a large protected surface area for the biofilm and optimal conditions for the bacteria culture when the carriers are suspended in water.

#### Benefits of MBBR Technology:

Less space required and easy operation for BOD/COD and nitrogen removal. High loading rate compared to other conventional biological treatment.

- High Strength reactor to increase the amount of biological population by providing large surface area to bacteria.
- Upgradation of existing ASP into IFAS / MBBR to meet higher organic load & discharge.

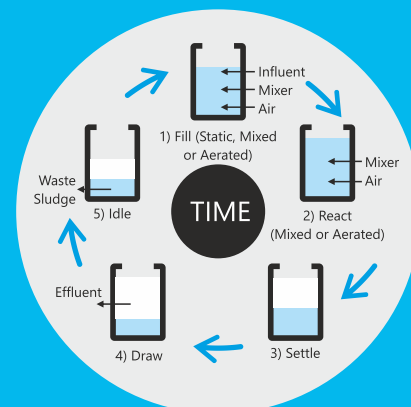
## Activated Sludge Process

ASP is very simple and easy to implement but need more space and more energy than other treatment methods. We are providing complete mix - as Conventional aeration and Extended aeration process or both depending on the inlet organic load to the system. Aeration system will be Diffused system (fine/coarse) with retro fit or without, Mechanical surface aerators and submerged turbine aerators. The overflow from Aeration tank will be taken into Secondary clarifier for further separation of sludge and water and part of sludge will be recycled back at inlet of aeration tank and excess will be sent for de-watering or other process.

### SBR (Sequential Batch Reactor)

The SBR is a fill-and-draw activated sludge system that combines all of the treatments steps (anoxic phase, aerobic phase and sedimentation phase) into one single basin. It consists of the following five basic steps.

- 1) Fill (addition of new wastewater).
- 2) React (anoxic and/or aerobic phase).
- 3) Settle (mixing is stopped to let biomass settle down).
- 4) Draw (removing the clarified and treated water).
- 5) Idle (during this phase sludge is usually removed).



### Sludge Management System

We will provide suitable sludge management system based on the effluent characteristics.







## Waste Water / Effluent Treatment Plant

Success Story: Complete Waste Water Treatment



### Project Details

Flow: 72 m<sup>3</sup>/day  
TSS: 280 ppm  
BOD: 4000 ppm  
COD: 8000 ppm

This project was started in April, 2017 and finished by June 2017. The final discharge as per the environmental requirement in India of BOD < 20 ppm & COD < 250 ppm.

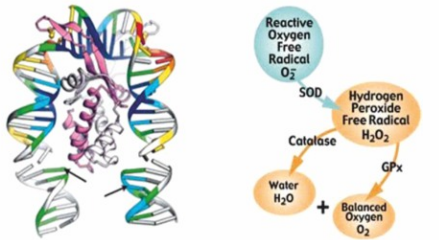


Successful ETP Project for Unilever in Pondicherry, India

# Innovative ZCT<sup>®</sup> (Zero Chemical Treatment) Technologies

We are providing Advanced ZCT<sup>®</sup> Technology such as ZCT<sup>®</sup> - OH (Hydroxyl Radical) System & ZCT<sup>®</sup> - E (Electro Contaminant Removal) System for Highly Inorganic / Organic Waste Water

A Proven OHR system with 4 patents



## ZCT<sup>®</sup> - OH (Hydroxyl Radical System)

OH Radical, is the neutral form of the hydroxide ion (OH). Hydroxyl radicals are highly reactive and consequently short-lived. Hydroxyl radicals play a key role in the oxidative destruction of organic pollutant.

### Advantages

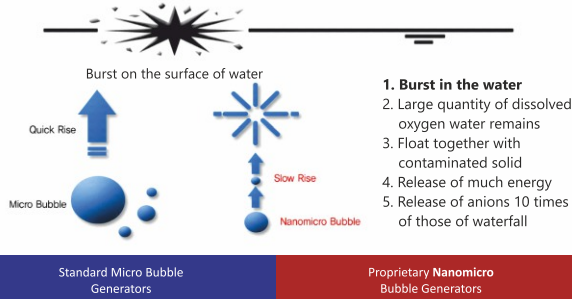
- They can effectively eliminate organic / inorganic compounds in aqueous phase.
- It virtually reacts with almost every aqueous pollutant without discriminating.
- Complete reduction product of OH is HO, so it does not introduce any new hazardous substances into the water.
- Simple equipment, easy to operate.

### Applications

- Water & Wastewater Treatment.
- Oxidation Process.
- Color & odour free potable water.



## The Nanomicro Bubbles Advantage



## ZCT<sup>®</sup> - E System

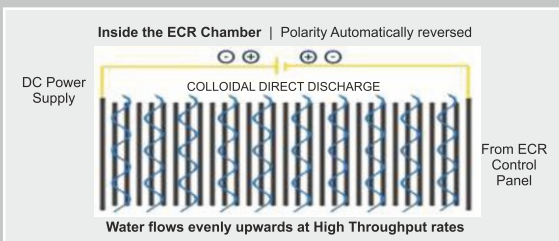
Our state of art ZCT<sup>®</sup> -E system works based on Electro Coagulation principle and is a process of removing contaminants in waste water with passing of electricity.

### Advantages

- Simple equipment, easy to operate.
- Sludge easily settleable and easy to de-water.
- Flocs formed are larger, acid-resistant, stable and separated faster.
- Removes the smallest colloidal particles.

### Applications

- Oil, Grease and heavy metal removal.
- Elimination of Colour & Odour.
- Oxidation of organic / breaking of organic molecules.
- Removal and separation of SS and colloids.



ZCT<sup>®</sup> is excellent to treat effluents from textiles, petrochemical, chemical industries, oil -mining plants, factory waste water as they remove heavy metals and also used for pond purification, slaughter house cleaning, food waste water treatment, sewage etc. These systems are easy to operate and up-gradation can be done easily as per the requirement with less Opex.



## 2.5 MLD ZCT<sup>®</sup> Plant Project at **UPL** Colombia

KIS Group has implemented the 2500 m<sup>3</sup>/ day project with High inorganic and High TDS influent, using advanced ZCT<sup>®</sup>-OH radical with ZCT<sup>®</sup>-E technology.



Main Plant Project Under Construction as on October 2018. Commissioning in November 2019





# Modular / Containerised ETP, WTP & BIOGAS PLANT

We provide state of art design Modular / Containerised plant for effluent treatment plant and water treatment plants. This is based on customer requirements & inlet parameters. The system is pre engineered & fabricated with a number of containers for quick delivery & installation time. It is simple, easily transported to customers location & can be shifted from one place to another.



## ZLD (Zero Liquid Discharge)

ZLD (Zero Liquid Discharge) technology is beneficial process for industries where the water is reused. Our process/technology (ZLD) helps to meet the discharge standards of the liquid which allows the use of treated liquid back for industrial use.



- ZLD treatment process includes Pre-treatment, where the effluent is screened and equalized for secondary treatment.
- The effluent at ambient temperatures enters secondary treatment wherein the high loads of COD and BOD (in the incoming effluent) is reduced in Anaerobic and Aerobic systems by 95%.
- The secondary treatment is succeeded by the tertiary treatment, in which the effluent is filtered through different streams of filters to get effluent with less particulate matter. The effluent coming out of the tertiary treatment enters the evaporators where water is evaporated, which is recycled back in the industry.
- The solids that are crystalized during evaporation have less volume. (depending on the TSS and TDS in liquids it may vary). These solid crystals are disposed after confirming the environmental aspects.





## Water Treatment Plants

We are expert in water treatment process that makes the water more acceptable for specific end use. The end use may be drinking water, industrial water supply, irrigation, water recreation, hygienic water and other purposes. Our system of water treatment includes clarifiers, filtrations process, softener system, DM plant, Ozone treatment, UF, RO & UV based on the end requirement of customer use.



### Project Details: Dubai

The Final discharge met the design parameters of conductivity <5 ppm, turbidity & TSS

The project started in April,2016 and was completed in Nov-2016 within a short period of 8 months

The final Hygienic water is used in the process of manufacturing of personal care products



Official Inauguration of Dubai Factory by Unilever CEO Mr. Paul Polman on 21.12.2016

### Project Details: Nigeria

This project was one of the fast tracked project which was completed within 3 months

The final discharge met the design parameters of conductivity <5 ppm, turbidity < 5 ppm, TSS <2 ppm and TDS <1 ppm

This water is used for in-house Boiler purpose



## Unique Features / BOO (Build Own Operate / BOOT (Build Own Operate Transfer) Schemes



We are pioneers in JV/ BOO/BOOT projects  
In 2013, Biogas plant developed,  
55% was invested by KIS & 45% by  
SIPEF Group, Belgium.

First CDM - PoA Registered project in palm oil  
industry. Biogas is used in boiler as a result  
it saves palm kernel shell.



After Successful 2 years of performance in  
year 2015, SIPEF Group Acquired 55% shares  
of the project from KIS group.

We have completed 2 projects and  
currently doing another 2 projects under  
JV/BOOT scheme.

## Unique Benefits / Advantages with KIS Group

- CDM – PoA UNFCCC certification which helps in registering the projects for the CDM in-turn generating revenue for Carbon Credits.
- Designed to use No chemicals for operation & generation of BIOGAS.
- Automation for easy operation.
- Very easy and very less maintenance cost.
- ZPHB<sup>®</sup> can be operated in both mesophilic or thermophilic mode.
- Treating waste by using higher efficient systems like ZPHB<sup>®</sup>, ZLD & ZCT<sup>®</sup> contributes to the Biopower<sup>®</sup> / export to grid subsequently the ROI will be reduced.
- Health Benefits like Reduced ground water pollution, Odour reduction, Breeding of mosquitoes will be minimized & Good living environment in nearby areas.
- Bio-fertilizer is organic in nature and can be used as a fertilizer instead of the chemical fertilizers for agricultural purposes.
- ZCT<sup>®</sup> (Zero Chemical Technology) reduces the consumption of chemicals for treatment of the effluents generated from the industries.
- Operation & Maintenance team round the clock 24/7



## Our Factory and Design Centre



Bangalore, India

Our manufacturing facility is located at Bangalore, India and this helps in maintaining the assured quality required by the customers. The total capacity is in excess of 10,500 tons of fabrication per year

The factory is well connected through National Highways. The entire area is 1, 82, 952 sq. ft. of which hosts facilities for fabrication of our project, equipment's assembling & skid mounting.



Singapore



Malaysia



India



Indonesia

Offices also in Colombia - Philippines - Peru

Agents / Partners in Korea - Bangladesh - Nepal - Qatar



# UNFCCC APPROVED CDM-PoA COMPANY FOR 'CARBON CREDITS'

Delighted to mention that we are the only company with CDM-PoA registered for Recovery and Avoidance of Methane from Industrial Waste Water. Reference No: UNFCCC- 7864

IN THE ENTIRE BIOGAS INDUSTRY KIS GROUP IS THE ONLY COMPANY TO HAVE CDM -PoA . THE KEY FACTOR AND DIFFERENCE IS THAT ONLY OUR BIOGAS /BIOCGNG PROJECTS QUALIFY FOR RECEIVING CARBON CREDITS

## AWARDED "THE BEST BIOGAS POWER PLANT" INDONESIA

Awarded "The Best Biogas Power Plant" in Indonesia by Energy Minister of Indonesia Government Bapak Archandra Tahar on 15 November 2018 in Jakarta.



Asia's Greatest Brand 2016, Singapore

Awarded in Germany, 2015

"Golden Peacock Award"  
Awarded in London, 2016

"Top Environmental Company"  
Awarded in Indonesia, 2017



"Sustainability Award"  
From Indian Sustainability Congress, 2014



SMEs "Green Business Award" 2016



"National Award for Excellence Renewable Energy", 2017



EEPC "Outstanding Export Performance Award" 2017



Global Indian of the year Award - 2017



"Excellence Global Award - 2018"

SMEs Most Promising Brand - 2017

Indian Economic Studies "Excellence Award" - 2017

"Water Leadership Award 2018"



## GLOBAL MEDIA COVERAGE



## KIS GROUP® On Channel News Asia and TimesNow



## MEMBERSHIP
















## MAJOR SUCCESS STORIES

Clients	Performance Achieved / Design	Remarks
 PT. Inhil Agro Sarimas	Biogas- 44,328 m <sup>3</sup> /day	2 Nos. Digesters of each 12,800 m <sup>3</sup> . Biogas burn in Boiler
 PT. Ramajaya Pramukti	Biogas- 27,360 m <sup>3</sup> /day	1670 KW & Excess Biogas used in boiler
 PT. Ivomas Tunggal	Biogas- 25,920 m <sup>3</sup> /day	2134 KW & Excess Biogas used in boiler
 PT. Tolan Tiga Indonesia	Biogas-28,341 m <sup>3</sup> /day	CDM Registered & Biogas used in boiler
 PT. Maya Agro Investama	Biogas- 26,136 m <sup>3</sup> /day	CDM Registered & ZPHB <sup>®</sup> Zero pond project. Biogas used in boiler
 PT. Subur Agro Makmur	Biogas-25,272 m <sup>3</sup> /day	ZPHB <sup>®</sup> Zero pond project. Biogas used in boiler
 PT. Umbal Mas Wisesa	Biogas-26,520 m <sup>3</sup> /day	CDM Registered & ZPHB <sup>®</sup> Zero pond project. Biogas used in boiler
 PT. Meskom Agro Sarimas	Biogas- 23,200 m <sup>3</sup> /day	CDM Registered & 1.2 MW Excess Power to PLN
 PT. Rafi Kamajaya Abadi	Biogas-19,503 m <sup>3</sup> /day	Under CDM Registration. Biogas used in Boiler
 PT. Agromuko	Biogas- 19,440 m <sup>3</sup> /day	CDM Registered & 1 MW Excess Power to PLN
 Hargy Oil Palms (Papua New Guinea)	Biogas-19,440 m <sup>3</sup> /day	CDM Registered & ZPHB <sup>®</sup> Zero pond Project. Biogas used in boiler
 Dekel Oil CSA (Ivory Coast)	Biogas-12,274 m <sup>3</sup> /day	First Project in Africa





## MAJOR SUCCESS STORIES

Clients	Performance Achieved / Design	Remarks
 <p>Evyap Sabun, Malaysia</p>	Biogas- 5,100 m <sup>3</sup> /day	Oleochemical Effluent
 <p>PT.MITRA MENDAWAI SEJATI</p>	Biogas-17,856 m <sup>3</sup> /day	2.4 MW Biogas Power Plant Under CDM-PoA Registration.
 <p>PT.KALI MANTAN SAWIT ABADI</p>	Biogas-17,856 m <sup>3</sup> /day	2.4 MW Biogas Power Plant Under CDM-PoA Registration.
 <p>PT. SAWIT SUMBER MAS SARANA</p>	Biogas-28,800 m <sup>3</sup> /day	BIOCNG <sup>®</sup> 9622 kg /Day Under CDM-PoA Registration
 <p>DD PALM OIL MILL SDN BHD</p>	Biogas-28,080 m <sup>3</sup> /day	BIOCNG <sup>®</sup> 9542 kg /Day Under CDM-PoA Registration.
 <p>GOLDEN FINGER DUBAI</p>	Water-440 m <sup>3</sup> /day	The treated water is used for in-house process
 <p>UNILEVER NIGERIA PLC, LAGOS, NIGERIA</p>	Water-400 m <sup>3</sup> /day	The treated water is used for in-house process
 <p>HINDUSTAN UNILEVER LIMITED PONDICHERRY INDIA</p>	Water-72 m <sup>3</sup> /day	The treated water is used for in-house process
 <p>COLOMBIA</p>	Waste Water- 2500 m <sup>3</sup> /day	The treated waste water is discharged into Sea
 <p>AMUL-BANAS DAIRY Asia's Largest Dairy/ Milk Production</p>	4 Nos Biogas Project. Biogas- 2000 m <sup>3</sup> /day each Project	BIOCNG <sup>®</sup> - 810 Kg/day each project
 <p>Torrent Pharma Gujarat-India</p>	Biogas-123 m <sup>3</sup> /day	Captive use for cooking in canteen
2 Different Projects Municipal Solid Waste Treatment	Biogas-27,400 m <sup>3</sup> /day Biogas-3000 m <sup>3</sup> /day	BIOCNG <sup>®</sup> - 10,000 kg /Day BIOCNG <sup>®</sup> - 700 kg /Day

AND MANY OTHERS

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