

40
YEARS



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BIO GAS FERTILIZERS

Biogas
Plants

Organic
Fertilization

Bio-Evapo-
Drying

Compost
plants



Zero Discharge Milling
a BIOTEC concept

CONCEPTUALIZATION

IMPLEMENTATION

OPERATION

AUDITS

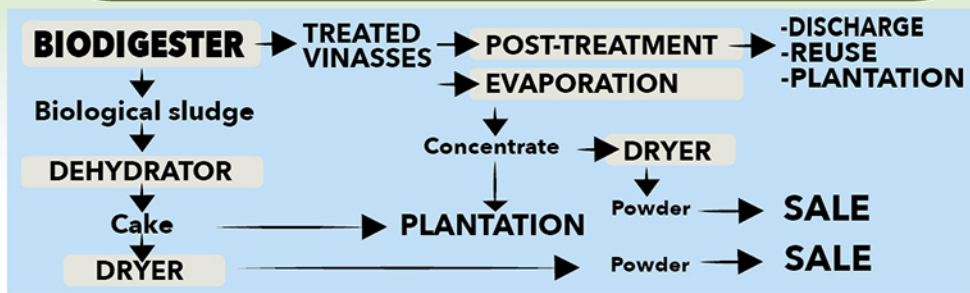
B.O.O.

BELGIUM | COLOMBIA | MALAYSIA

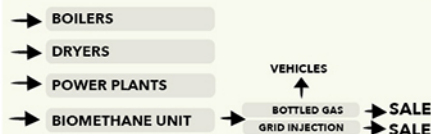


Press mud feeding system

METHANIZED VINASSES VALORIZATION OPTIONS



BIOGAS VALORIZATION OPTIONS



METHANE (CH₄) PRODUCTION AND NUTRIENTS CONTENT

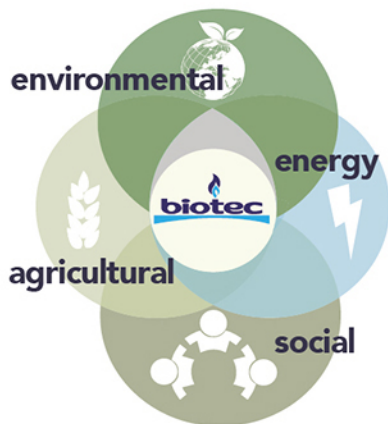
PRESS MUD

200 a 260 m³ CH₄/T DM
40kg NPK/T DM

VINASSES

200-280 m³ CH₄/T COD
150kg NPK/T COD

SOLUTIONS



Biotec International
Corporate

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Vinasses BIO-EVAPO- DRYING



BIODIGESTER



EVAPORATOR



DRYER



**POWDERED BIO-FERTILIZER
(K₂O 25%)**

AGROINDUSTRIAL BIOGAS PLANTS

Tropical countries
Last 20 years

#	YEAR	NAME	COUNTRY	VOLUME
1	2006	EECOPALSA 1	HONDURAS	15.000 m ³
2	2007	EL ESPINO	PERU	20.000 m ³
3	2008	AGROTOR	HONDURAS	25.000 m ³
4	2008	EXPORT. ATLANTICO	HONDURAS	26.000 m ³
5	2009	CITRUSVIL 1 (RAC)	ARGENTINE	80.000 m ³
6	2009	ERH - HONDUPALMA	HONDURAS	20.000 m ³
7	2010	EECOPALSA 2	HONDURAS	10.000 m ³
8	2010	ULU KANCHONG	MALAYSIA	30.000 m ³
9	2011	PELAKAR	INDONESIA	20.000 m ³
10	2012	PT. EVANS (BPM)	INDONESIA	5.000 m ³
11	2013	MANUELITA	COLOMBIA	40.000 m ³
12	2013	INDUSPALMA	DOMINICAN R.	13.000 m ³
13	2013	ORO ROJO	COLOMBIA	15.000 m ³
14	2014	ASIAN PLANTATIONS	MALAYSIA	7.000 m ³
15	2014	FELDA (JENGKA 3)	MALAYSIA	30.000 m ³
16	2014	GOPDC	GHANA	20.000 m ³
17	2014	KAPILIT	MALAYSIA	20.000 m ³
18	2014	MAKOUKE	GABON	5.000 m ³
19	2014	CITRUSVIL 2 (RAFAC)	ARGENTINE	10.000 m ³
20	2014	PRESCO	NIGERIA	20.000 m ³
21	2015	AGROPALMA	BRAZIL	50.000 m ³
22	2015	AGUÁN G (GENERATION)	HONDURAS	25.000 m ³
23	2016	PT EVANS (TUING)	INDONESIA	20.000 m ³
24	2016	TANER	MALAYSIA	10.000 m ³
25	2017	SERAYA - BENTA	MALAYSIA	25.000 m ³
26	2018	BBS (Bangka)	INDONESIA	20.000 m ³
27	2019	MSE (Bangka)	INDONESIA	25.000 m ³
28	2020	SUKADAMAI (Sewatama)	INDONESIA	25.000 m ³
29	2021	CARTONES AMERICA	COLOMBIA	750 m ³
30	2022	PALMEIRAS	COLOMBIA	10.000 m ³
31	2024	CITRUSVIL 3 (RAFAC)	ARGENTINE	13.000 m ³
32	U.CONSTR.	LDC CITRUS	BRAZIL	60.000 m ³
33	U.CONSTR.	PALMAR DE ALTAMIRA	COLOMBIA	15.000 m ³

GAS FARMS (Grass2Gas)

1.000 ha → 1.250 m³ CH₄/hour



40
YEARS



Organic matter management in the Tropics

BIOGAS – BIOFERTILIZERS

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PROJECT UNDER CONSTRUCTION
(May 2025)

LDC CITRUS, Brazil
(2 x 30.000m³)
Flow: 9.000-11.000* m³/day
COD: 132-200* T/day
Gas: 2.400-3.700* m³/hour
* Projected



PROJECTION 2026

PRODUCTS:



BIDIGESTERS
earth tanks



BIDIGESTERS
steel tanks



BIOGAS USES

electricity generation

steam generation



organic fertilization



Bio-evapo-drying



Compost plant

SERVICES:

CONCEPTUALIZATION

IMPLEMENTATION

OPERATION

AUDITS

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