

BG COMPANY INTRODUCTION



PT. BENUA GREEN ENERGY

Garnier No. 82, Jl. Trocadero
Ruko Piazza De Europe, Lippo Karawaci
Tangerang, Banten 15811 Indonesia

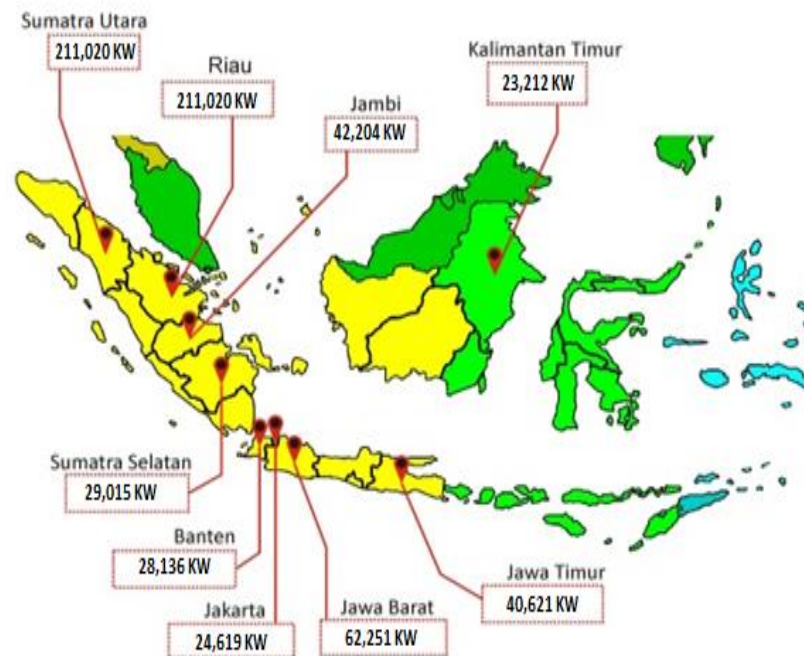
JIANGYA GOLDEN DRAGON PTE LTD

10 Kallang Avenue, #05-17
Aperia Tower 2, Singapore 339510

About The Group

BG (Benua Group) was established in 1999, HQ in Singapore and Jakarta, Indonesia. The Mission of BG is Invest in Green Energy, and respect Nature. The BG technologies are at world top level, BG is mainly involved in R&D, Assembly investment & sales of various green product.

BG puts 20% of the total sales revenue into R&D project every year. BG business philosophy is well connected with green society & social responsibility.



TECHNICAL CONSULTATION

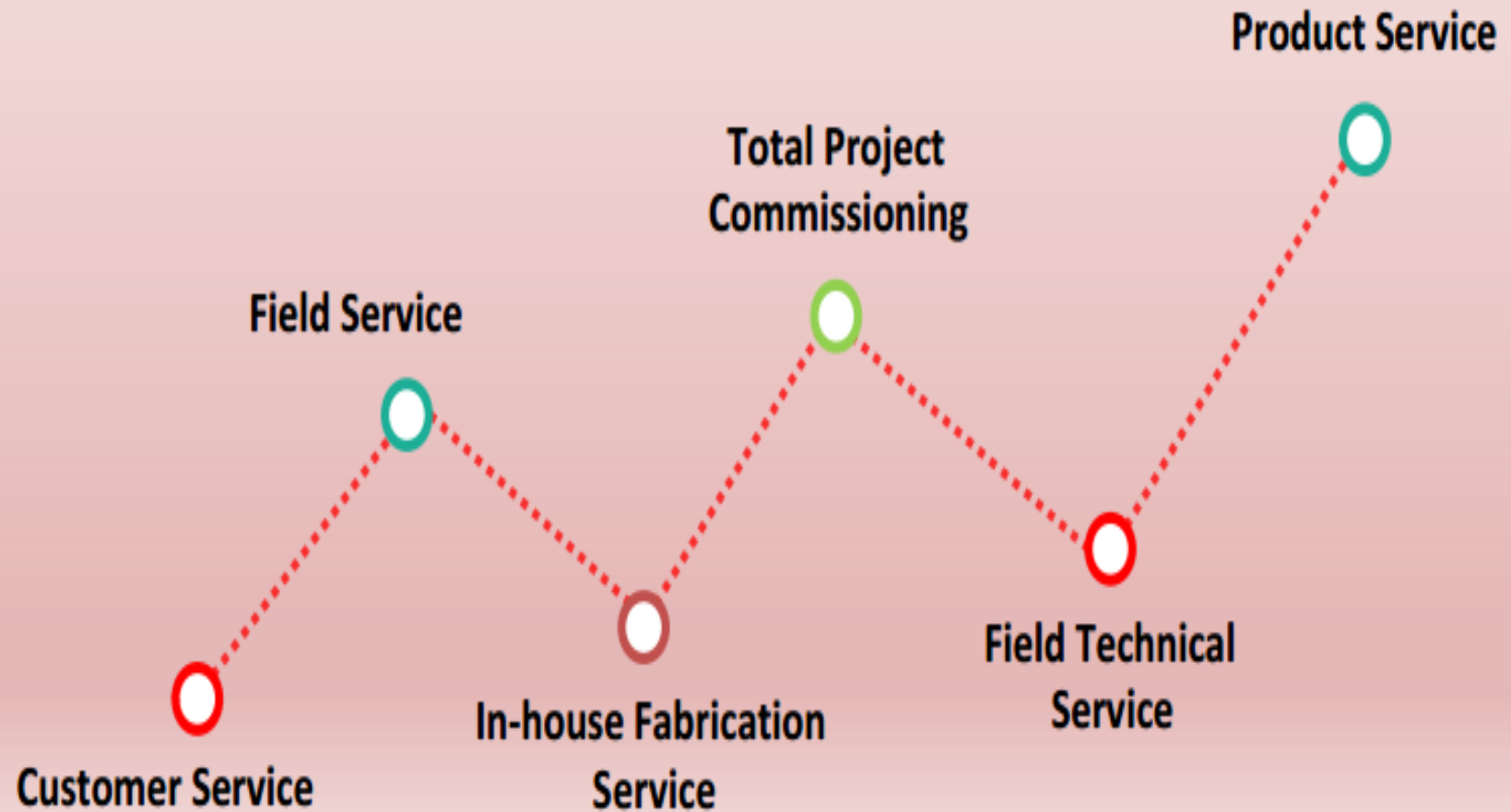


MAINTENANCE



FIELD SERVICE





Product Range



**Biomass
Boiler**



**Oil Free
Magnetic Chiller**



**Close Loop
Cooling Tower**

Product Range



**Air
Handling Unit**



**Oil Free
Compressor**



Water Pump

Biomass Boiler

Product Range : 1.5 TPH to 8 TPH

Pressure Range : 10.54 kg/cm² to 25 kg/cm²

Features

- Only of it's kind Three Pass
- Three pass, pre insulated & factory assembled design -80% reduction in site work
- Multi pass combination of fire tube & water tube with high combustion volume.
- Compact, skid mounted and modular construction. 50% reduction in deep foundation only plinth required. Since 50% reduction in civil cost
- Quick startup and better response to load fluctuations
- Combuster suitable for firing wide range of solid fuels on bubbling bed, reciprocating bed etc
- Inbuilt APH unit



Fuels



WOOD



COAL



BRIQUETTES



BAILED
BAGASSE



PALM
SHELL



GROUNDNUT
SHELL



COCONUT
SHELL



COTTON
WASTE



BIOMASS
FUELS

Oil Free Magnetic Chiller



Certifications



Features

Standard Configuration	
Compressor	Magnetic Oil Free Centrifugal Compressor
Evaporator	Self-produced high efficiency evaporator
Condenser	Self-produced high efficiency condenser
Controller	Microcomputer controller
Economizer	Plate Type Heat Exchanger
Throttling Gear	Electronic expansion valve
Starting mode	Variable frequency starting
Power Supply	380V-3N-50HZ/460V-3N-60HZ
Insulation Material	Anti-corrosive waterproof mesh insulation
Packaging	Reinforced Shnk-wrap Covering , industrial-grade
Oil Paint	High strength matt paint
Water Pipe Connection	Flange

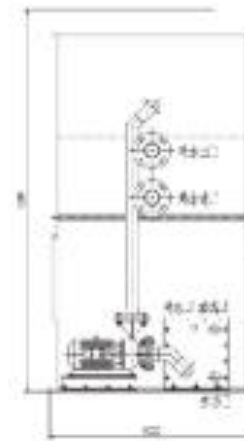
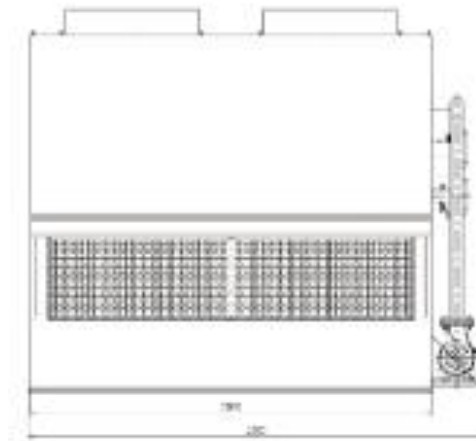
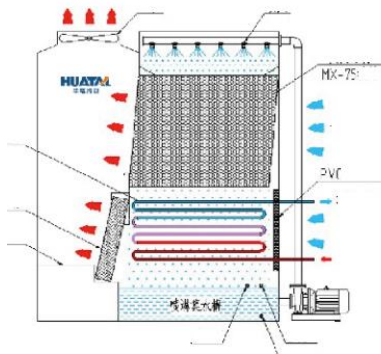
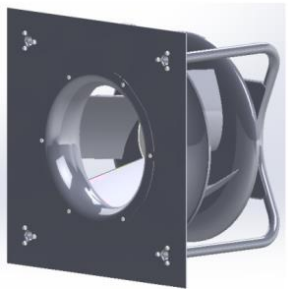
No	Item	Magnetic Oil Free Chiller 240TR (LOAD)				Unit
		25%	50%	75%	100%	
1	Cooling Capacity	60	120	180	240	TR
2	Power Consumption	21	38	79	142	KW
3	Price per KWh	1272				Rp
5	Operational Cost per Hour	Rp26.712	Rp48.336	Rp100.488	Rp180.624	Rp

No	Item	Magnetic Oil Free Chiller 500TR (LOAD)				Unit
		25%	50%	75%	100%	
1	Cooling Capacity	125	250	375	500	TR
2	Power Consumption	37	67	134	242	KW
3	Price per KWh	1272				Rp
4	Operational Cost per Hour	Rp47.064	Rp85.224	Rp170.448	Rp307.824	Rp

Close Loop Cooling Tower

Features

- It adopts imported alumag galvanize external plate with outstanding anti-corrosion effect, the service life of it is 10-20 times of galvanized plate, the surface coating has fluidity with cut protection (automatic healing up);
- With reversed flow cooling mode, it has small heat emission blind zone with high heat exchange efficiency;
- The effective dehydrator features extremely low drifting ratio;
- The cooler adopts anti-freezing and energy saving design, and can ensure to drain out the circulating water for protecting the condenser from freezing when the air temperature is low in the north area;
- The whole machine features beautiful and decent appearance with automatic digital display, simple and convenient operation and maintenance.



Materials
SS304 or 316

Air Handling Unit

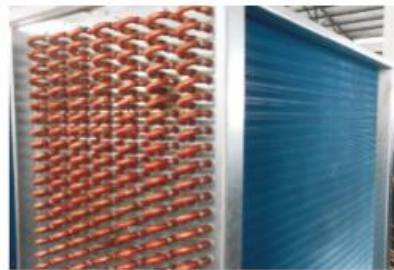


Features

- Frame



- Coil



- Heating/Dehumidifying



- Fan/Motor



- Drain Pan



- Automatic Control System



Oil Free Compressor

Features

1. Oil Free Screw Airend



3. Air Inlet System



2. Patented Venturi Pipe to Reduce Noise Levels



4. Silent Air Filter System



- GHH Airend From Germany
- Pre-Cooler to Help reduce Temp
- 100% Oil Free
- Class 0 Certificate from TUV
- High Efficiency Cooling System

Water Pump



- European standard
- Adopted entirely new industrial design
- Efficiency achieved $MEI \geq 0.7$
- Energy saving, low noise, environment friendly, compact design, beautiful shape, light weight
- Easy for service, high reliability

Working Condition

- Liquid temperature :
Normal temperature type -15°C to $+70^{\circ}\text{C}$;
Hot water type -15°C to $+120^{\circ}\text{C}$;
- Flow rate range : $0.5 \sim 29 \text{m}^3/\text{h}$;
- Liquid pH range: $\text{pH}5 \sim 9$;
- Max. ambient temperature: $+40^{\circ}$;
- Max. altitude: 1000m;

Accessories

Valves



Flanges



Fittings



THANK YOU

Head Office :

Garnier No. 82, Jl Trocadero Ruko Piazza De Europe
Lippo Karawaci, Tangerang, Banten 15811, Indonesia

Telepon : +6221 5573 1123

WA : +628176779719, +628158816259

Email : jakarta@benuagreen.com , sales@benuagreen.com

Website : <https://benuagreenenergy.com>

Factory :

Kp. Daraham Rt.11 / Rw.01 Desa jambe
Kecamatan Jambe, kabupaten tangerang

Training Service Center :

Jl. Raya Cibogo Wetan, RT/RW 004/003
Kel. Kelapa Dua Kec. Kelapa Dua, Kab.Tangerang

BRANCH : BATAM

SURABAYA

PATI

BANDUNG

CILEGON

MEDAN