

COMPANT PROFILE







GENERAL ORIENTATION

Ambition

Become the pinnacle of clean energy in Vietnam

Mission

Bring prosperity to customers from clean energy

Vision

It will become a multi-industry group and a leader in the field of clean energy by 2025

DIVI Group will own at least 10 power plants using biomass fuel and solid waste by 2030

Core values

Environment – Savings – Professionalism!



DEVELOPMENT MILESTONES

• Precursor: **DINH VIET ENERGY COMPANY LIMITED**



OFFICE

4th floor, Moc Gia Building 238 - 242 Nguyen Oanh Street, Ward 17, Go Vap District, Ho Chi Minh City



• Now: **DINH VIET GROUP (DIVI GROUP)**



BOILER FACTORY



Khanh Binh 10 Street, Khanh Van quarter, Khanh Binh ward, Tan Uyen district, Binh Duong

FUEL PLANT



Binh Tan hamlet, Phuoc Minh commune, Bu Gia Map district, Binh Phuoc province

BIOMASS POWER PLANT



Hamlet 1, Phu Van commune, Bu Gia Map district, Binh Phuoc province



FOUNDING SHAREHOLDERS

LE VAN HIEU

Hanoi University of Science and Technology
Majoring in Heat (Boiler - Turbine)
Born in 1984 - 14 years of experience
Position: CEO of DIVI Group



NGUYEN VAN THAN

Hanoi University of Science and Technology Majoring in Heat (Boiler - Turbine) Born in 1985 - 12 years of experience Position: CEO of DIVI Boiler

DUONG DINH THUAN

Hanoi University of Transport and Communications Majoring in Automotive Mechanical Engineering Born in 1983 - 15 years of experience

Position: CEO of DIVI Biomass





FOUNDATING PARTNER



LE VAN HIEU

CEO DIVICO

Hanoi University of Science and Technology



NGUYEN VAN THAN
CEO DIVI BOILER
Hanoi University of Science and Technology

DUONG DINH THUAN



CEO DIVI BIOMASS
Hanoi University of Transport and Communications



DUONG NGOC LOI

CEO DIVI POWER

HCMC University of Technology and Education



CFO DIVI GROUP Foreign Trade University

NGUYEN THI UT



EXECUTION GROUP



PHAM DINH NONG

Proj. Manager DIVI Boiler Vinh University of Education



LE QUANG NGHIA

Automation Manager DIVI Boiler HCM University of Technology and Education



NGUYEN NGOC THANG

Tech. Manager DIVI BOILER HCM University of Technology and Education



PHAM VAN TIEN

Production Manager DIVI Boiler LILAMA of College



KIEU THI THU HIEN

Chief Accountant DIVI GROUP University of Economics Ho Chi Minh City



EXPERT TEAM – TECHNICAL ADVISOR

ASSOC. PROF PHAM VAN TRI



Head of Thermal Engineer Department – Hanoi University of science and technology Born in 1944 – Experience > 30 years Position: Technical consultant: Incinerators

PH.D NGUYEN THANH QUANG



Lecturer of Hanoi University of science and technology – Department of Industrials Boilers Born in 1973 – Experience 23 years Position: Technical consultant: Industrial Boilers

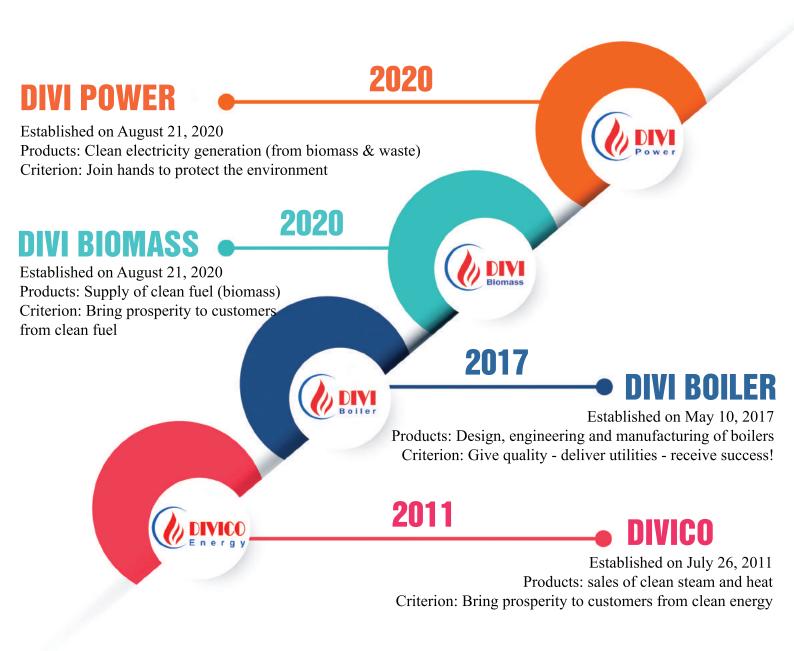


AFFILIATES



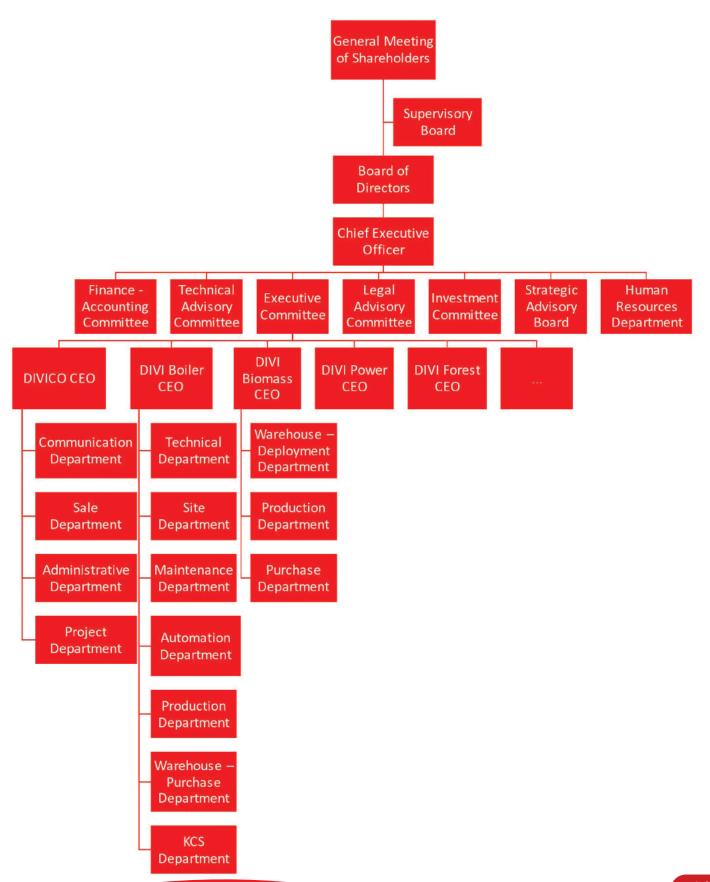


DEVELOPMENT PROGRESS





ORGANIZATIONAL CHART





EQUIPMENT CAPACITY

Boiler Factory: 1.988 m2 (Binh Duong).

Biomass Fuel Storage: 25.000 m2 (Binh Phuoc).

Biomass Power Plant Area: 24.000 m2 (Binh Phuoc).

Forest Area: 1.800 hecta (Dak Nong).

No	Equipment	Quantity
1	Crane 10 Ton	1
2	Crane 5 Ton	1
3	Submerged Arc Welding	1
4	Tube to tube sheet Automatic Orbital Welding Machine	2
5	Combustion chamber sealing machine	1
6	Metal-cutting machine size 2m x 6m	1
7	Drill	1
8	Cutting –off lathe	2
9	Milling cutter	1
10	Bending	1
11	Roll-bending	1
12	Mig Welder	15
13	Rod Welder	27
14	Truck < 2 ton	1
15	Kia K3 Car	1
16	Mazda CX5 Car	1
17	Nissan Navar Pickup Truck	1
18	Nissan Terra Car	1
19	Trailer	1
20	Truck 18 ton	6
21	Excavator 2 ton	15
22	Electric forklift 1 ton	3
23	Cranes truck 15 ton	1
24	And another tools	



BUSINESS LICENSE





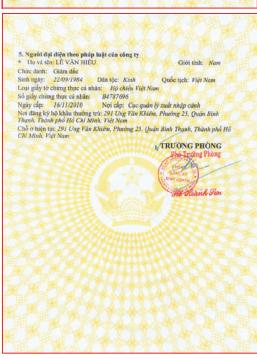














Giới tính: Nam

Ho và tên: NGUYÊN VĂN THÁN





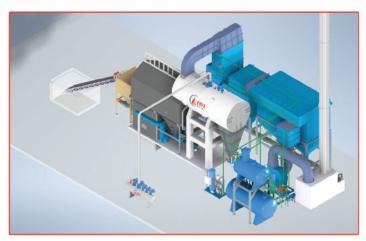




■ BIOMASS-COMBUSTION FLUIDISED BED BOILER







- Multi-fuel combustion: rice husk, wood chips, cashew residue, pellets....
- Up to 89% efficiency; Up to 40 bar design
- Design capacity: 2 70 tons of steam per hour
- Full automation PLC SCADA control
- Absolute compliance with environmental standards
- Manufacturing type: + A combination of water pipe and fire tube with 1 steam drum; + Water pipe with 2 steamers
- Advantages: Production cost-savings, 5 year warranty.

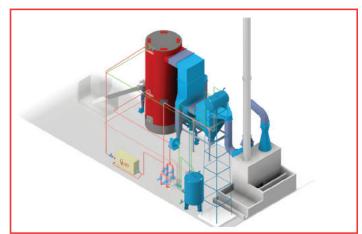




■ BIOMASS-COMBUSTION FLUIDIZED BED THERMAL OIL BOILER







- Multi-fuel burning: rice husk, wood chips, cashew residue, pellets, sawdust.....
- Efficiency up to 85%
- Design capacity: 1,000,000 15,000,000 kCal/hour
- Full automation PLC- SCADA control
- Absolute compliance with environmental standards
- Manufacturing type: Vertical cylindrical double twisted tubes
- Advantages: Production cost-savings 3year warranty.

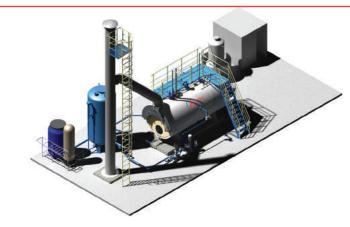




■ LIQUID FUEL COMBUSTION BOILER







- Multi-fuel combustion: DO, FO, GAS, LPG, CNG...
- Up to 95% efficiency
- Design capacity: 01 to 30 tons of steam per hour
- Full automation PLC SCADA control
- Absolute compliance with environmental standards
- Manufacturing type: Water pipe with 2 horizontal steam drums; Vertical water pipe; Combination of fire tubes and one horizontal steam drum
- Advantages: Cleanness, space-savings, easy maintenance









■ MAINTENANCE SERVICES OF BOILER







Dinh Viet provides a wide range of boiler services to assist customers in troubleshooting and preventing problems arising during operation.

Check: Localize the problem location - find the cause and suggest ways to fix it.

Analysis: Technical analysis to find out the root cause to fix and optimize the boiler

Solution: After inspection and analysis of the problem, we report it to the technicians, provide solutions and set out the work to be done.

* As a renewable fuel source - environmental protection.

- * An effective solution to replace fossil fuel sources such as petroleum, coal...
- * Helping to dispose waste from agriculture and forestry.
- * Ashes are non-toxic, which can be used as fertilizer.
- * Compliance with environmental protection requirements of bilateral and multilateral agreements: EVFTA, RCEPT, CPTPP...
- * Contributing to the improvement of poor forests.
- * Contributing to energy security.
- * In line with the global commitment to combat climate change.

SUPPLY OF BIOMASS FUELS





STEAM SALES



- * **DIVICO** will invest in a boiler system at the request of the customer
- * Customers will pay the cost of using steam based on the readings of flow meter
- * **DIVICO** will take full responsibility for boiler system
- * Steam sales contract will last a minimum period of 5 consecutive years

RENTAL SERVICES OF BOILER

- * **DIVICO** will invest in a boiler system at the request of the customer
- * **DIVICO** will undertake the following tasks:
 - + Operation, maintenance and repair of boiler.
 - + Self-responsibility for other related issues: environment, water treatment...
 - + Being liable for legal issues to State agency on behalf of customers
 - + Insurance policy for the boiler system.





■ POWER PLANT USING BIOMASS FUEL



- * Use cogeneration system to simultaneously supply heat and electricity to the production process.
- * Cogeneration system is a system that simultaneously supplies different types of useful energy (mechanical & thermal energy).
- * This system converts energy from the fuel source to supply the boiler, and then the steam generated in the boiler is used to drive the generator turbine for producing electricity. The steam after leaving the generator turbine still has heat energy, which is used for industrial activities.

(drying, steaming, ironing)

* Minimization of solid waste: Reduce up to 90% of municipal waste generated and extend the life of landfill by using only ash burial.

- * Improvement of land use efficiency: reduce the amount of waste buried, the quality of the soil environment is improved, and less land is required for backfilling.
- * Recovering and saving of energy source: recover 75% of the energy in garbage as steam and recover 30% of energy from steam by converting it into electric energy.
- * Treating a variety of wastes such as: household waste, commercial waste, non-hazardous industrial waste

WASTE –TO-ENERGY PLANT









CENTRAL BEER JOINT STOCK COMPANY

Designing & creating

Power consumption

Total amount of steam supplied

According to TCVN 7704-2007 3,7 kW/ ton of steam and TCVN 12728-2019

24.000 tons/year

Design pressure

9 bar

Boiler capacity

Fuel

8 tons of steam/hour













CAMSO VIETNAM CO., LTD

Designing & creating F

Power consumption

Total amount of steam supplied

According to TCVN 7704-2007 1,5 kW/ton of steam and TCVN 12728-2019 $\,$

15.000 tons/year

and ICVN 12/28-201

Design pressure

Boiler capacity

Fuel

8 bar

3 ton of steam/hour

Diesel oil













KIMHUYNH GOLDEN LOTUS COMPANY

Designing & creating

Power consumption

Total amount of steam supplied

According to TCVN 7704-2007 6 kW/MkCal

35.000 Mkcal/year

and TCVN 12728-2019

Design pressure

Boiler capacity

Fuel

10 bar

4 MkCal/hour













SAIGON 3 JEAN CO.,LTD

Designing & creating

Power consumption

steam supplied 37.440 tons/year

Total amount of

According to TCVN 7704-2007 4 kW/ton of steam and TCVN 12728-2019 $\,$

37.440 tons/ye

Design pressure

8 bar

Boiler capacity

Fuel

Biomass, indo coal bran

8 ton of steam/hour Biomass,













THE GREEN COCONUT MANUFACTURER AND TRADING COMPANY LIMITED

Designing & creating

Power consumption

According to TCVN 7704-2007 $\,<$ 4 kW/ton of steam and TCVN 12728-2019

Design pressure

10 bar

Boiler capacity

5 ton of steam/hour

Total amount of steam supplied

18.000 tons/year

Fuel

crushed rice husk













■ SAFOCO FOODSTUFF JOINT STOCK COMPANY

Designing & creating

Power consumption

steam supplied

m

and TCVN 12728-2019

According to TCVN 7704-2007 4 kW/ton of steam

37.440 tons/year

Total amount of

Design pressure

8 bar

Boiler capacity

8 ton of steam/hour

Fuel

Biomass

indo coal bran













TUONGAN VEGETABLE OIL JOINT STOCK COMPANY

Designing & creating

Power consumption

Total amount of steam supplied

72.000 tons/year

According to TCVN 7704-2007 < 4 kW/ton of steam and TCVN 12728-2019

Design pressure

10 bar

Boiler capacity

15 ton of steam/hour

Fuel













SAM NHUT COMPANY LIMITED

Designing & creating Power consumption

Total amount of steam supplied

According to TCVN 7704-2007 3,5 kW/ton of steam and TCVN 12728-2019 $\,$

93,600 tons/year

Design pressure

Boiler capacity Fuel

20 ton of steam/hour 10 bar













TBS' GROUP

Designing & creating

Power consumption

Total amount of steam supplied

According to TCVN 7704-2007 $\,\leq\!4$ kW/ton of steam and TCVN 12728-2019

72.000 tons/year

Design pressure

Boiler capacity

Fuel

10 bar

15 ton of steam/hour













TRAVEL INVESTMENT AND SEAFOOD DEVELOPMENT CORPORATION (TRISEDCO)

Designing & creating

Power consumption

Total amount of steam supplied

72,000 tons/year

According to TCVN 7704-2007 < 4 kW/ton of steam and TCVN 12728-2019

Design pressure

10 bar

15 ton of steam/hour **Biomass**

Boiler capacity Fuel













■ MARINE FUNCTIONAL VIET NAM COMPANY LIMITED

Designing & creating

Power consumption

Total amount of steam supplied

According to TCVN 7704-2007 < 4 kW/ton of steam

35,000 tons/year

and TCVN 12728-2019

Design pressure

Boiler capacity

Fuel

8 bar

8 ton of steam/hour















DIVI GROUP

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