

Bologna, Italy - 31 July 2021

# Company profile

## BIOMASS - Business Model



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# AGENDA

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- Company Profile



- Business Model



- Energy Markets



- Global Service Network



- Project References

# Business Scope

- New Energy Investments and Developments
- Investment Consultancy and management
- Project Proposals
- Project EPC Services
- Foreign Trade and Cooperation
- Master Planning Design Services

# Business Approach

- Establish partnership with international advanced new energy companies
- Possess mature technology and actual operation projects
- Possess a number of sustainable development projects on pipe line
- To acquire approved technology and IP patent in combination with project investment and construction finance
- Establish cooperation (joint venture) company to achieve cost effective and best value of EPC package for the project.

# Our Service Portfolio - Overview

- 1 • Project Development
- 2 • EPC
- 3 • Interconnection
- 4 • Project Asset Management, Operation & Maintenance
- 5 • Distributed Energy and Market Parity



# Our Service Portfolio - A Comprehensive Approach



## Project Development

- As a turnkey project developer, we are able to offer project development up to completion as a turnkey solution.
- We develop our own projects or acquire project rights.
- Our business model is BOT (Build Operate and Transfer) and IPP with attractive and bankable terms & conditions.
- We also provide EPC services



## Our Service Portfolio - A Comprehensive Approach

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### EPC

- As the general contractor, we deliver all the services towards the completion of turn-key Chemical plants, PV plants, wind farms, Cogeneration – CHP, biogas-biomethane plants and WTE including procurement or production of all necessary equipment and parts, as well as the installation.
- We have a strong network of equipment suppliers and service providers in place and work with experienced local or international EPC and/or BOS partners.



## Our Service Portfolio - A Comprehensive Approach

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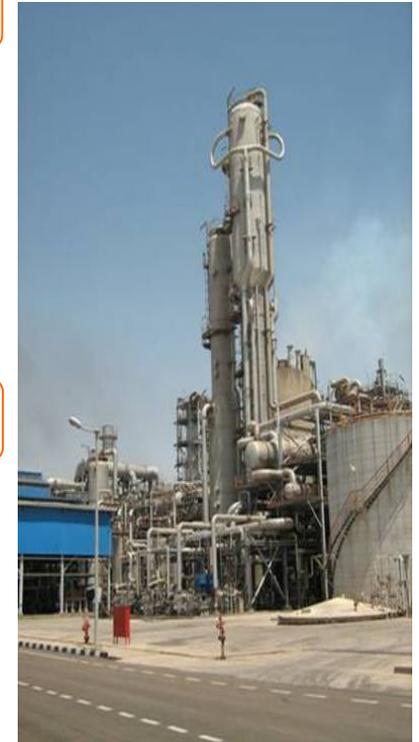
### Interconnection

We take care of the connection to the grid, including tests, provisional acceptance and final acceptance certificate

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### Assets Management and Operation & Maintenance

We can provide asset management and O&M services to the plant together with our service partners around the world



# Our Service Portfolio - A Comprehensive Approach

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## Distributed Energy and Market Parity

- We developed a new approach to power by offering distributed energy and market parity services including dispatching energy on and off grid if needed.

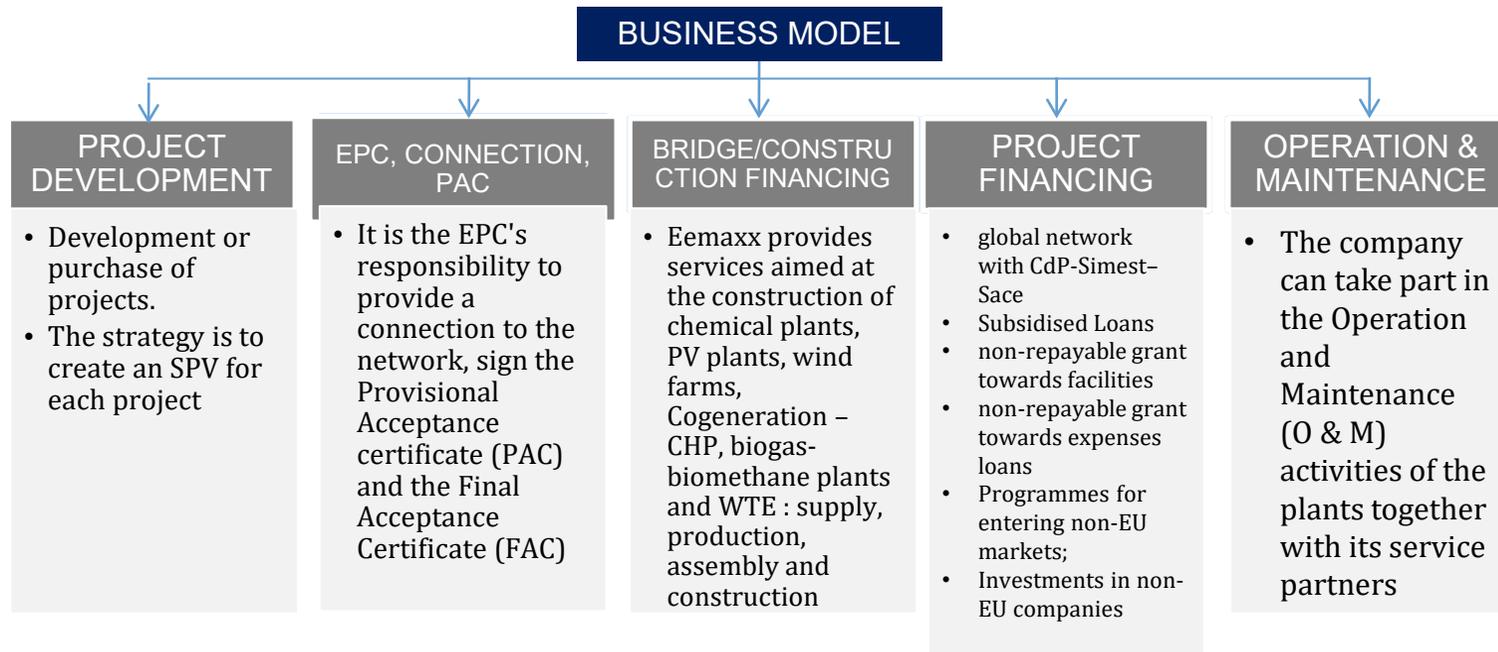


Six Energy  
Location: Emilia Romagna, Italy  
Location Type: Roof Top  
Project Scale: 2,3 MWp



Location: Campania, Italy  
Project Type: Roof Top  
Project Scale: 1,8 MWp





## Products, Certificates and Warranty



Guarantee Period: We assure gasifier system can smoothly running more than 15 years.

Normally, we supply one year free spare parts and after sale service. Actually, Our gasifier system only need small maintenance and easy to do.

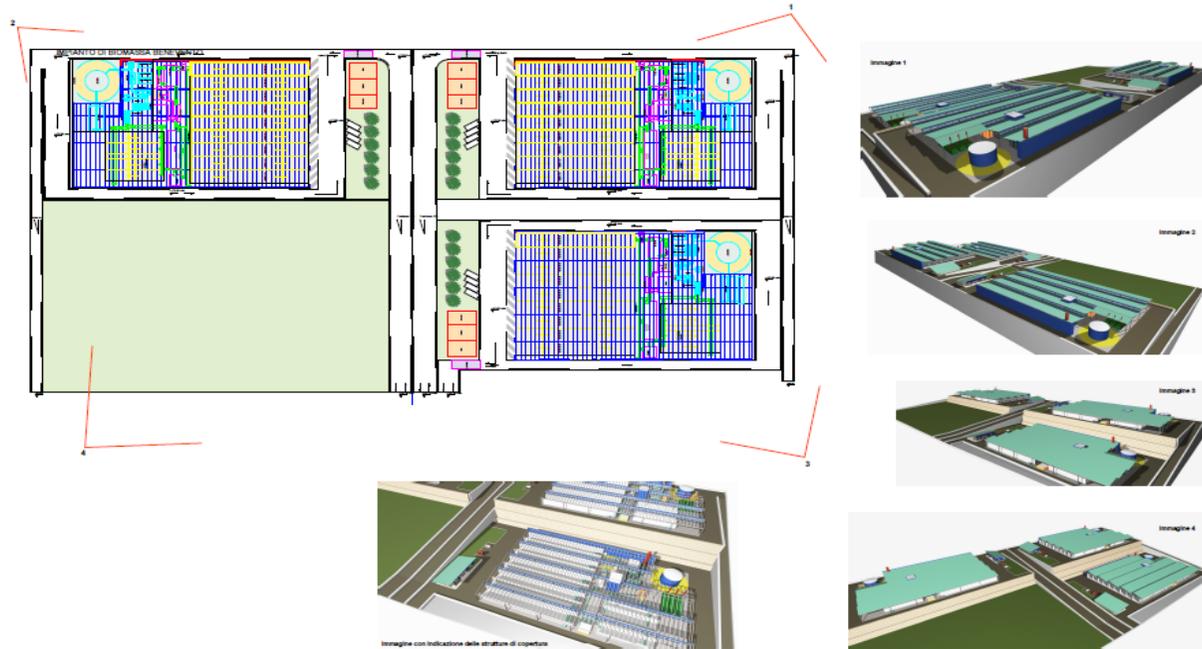
Experience: We have do foreign biomass power plant building more than 10 years.

We have a experienced team including design engineer, manufacture engineer and testing engineer.

They all have abroad working experience and know biomass power plant very well.

Project References

# Cogeneration - CHP



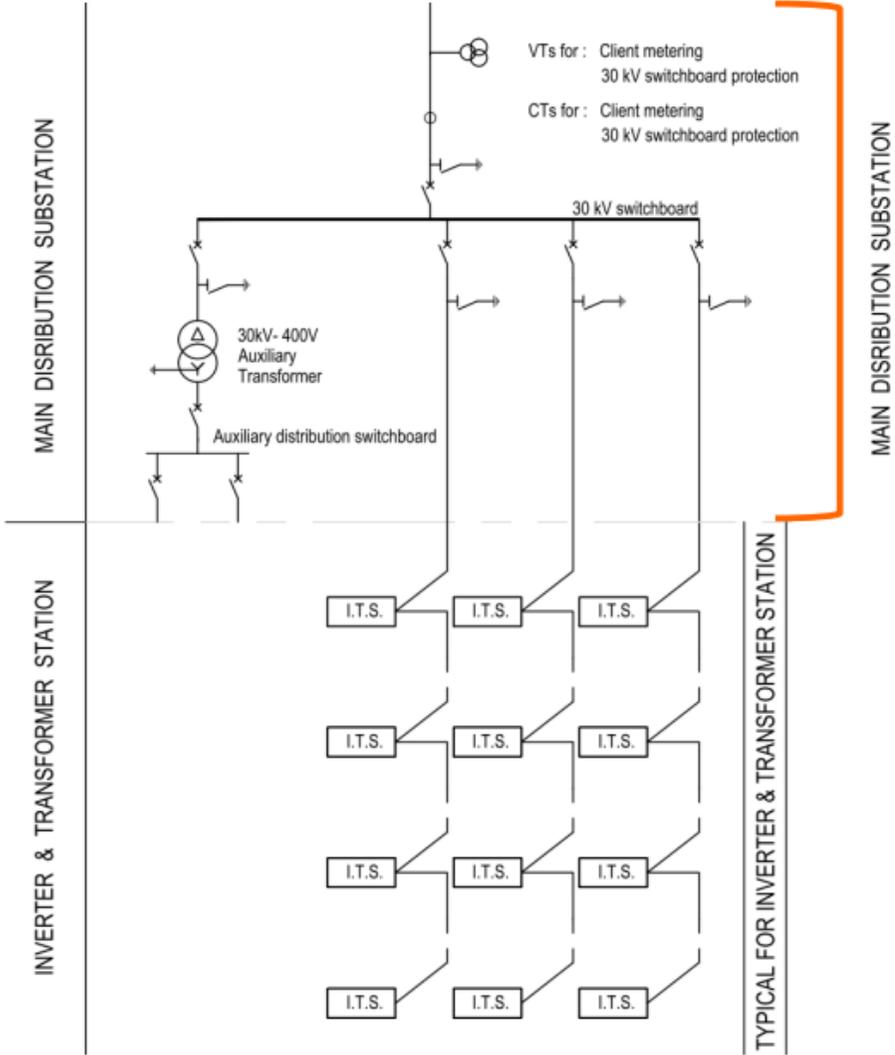
Location: Benevento, Campania, Italy  
Project Type: Biomass plant  
Project Scale : 2x1 MWp + 2 MWp

# Cogeneration - CHP



Location: Benevento, Campania, Italy  
Project Type: Biomass plant  
Technology Gasification module including  
wood line, drier, ash treatment

# Electric plants



## Biomass cogeneration plants



Location: RIBNIK - Bosnia-Erzegovina  
Project Type:  
1 logistic center  
1 Gasification unit  
1 Torrifaction factor  
Project Scale: €18 M INVESTMENT

### HAN PIESAK

- 1 Gasification unit
- 1 Torrifaction factory

**€15 M INVESTMENT**

## Pellet factories

### KOZARSKA DUBICA

- 1 Pellet factory

**€4 M INVESTMENT**



**Location: SRBAC - Bosnia-  
Erzegovina**  
**Project Type: 1 Pellet factory**  
**Project Scale: €4 M INVESTMENT**

### DOBOJ

- 1 logistic center
- 1 Pellet factory

**€5 M INVESTMENT**



### FOCA

- 1 Pellet factory

**€4 M INVESTMENT**

## **Biomass/ coal gasification power plant**

- Rice mill: (rice huske) 200KW
- Rice Mill: (rice huske) 400KW
- Rice mill: (rice huske) 800KW
- Biomass power plant (sawdust) 600KW
- Biomass power plant (wood chips) 200KW
- 400KW rice husk and MSW 400KW
- (rice husk and straw) 1 MW
- (rice husk) 2,4 MW
- (rice husk) 400KW
- Indonesian Island Network Company (Corn Straw) 500KW

# Project References

## Biomass Resource And By-products of Biomass Recourse

Forestland Biomass



Paper pulp and forest products residues from wood processing



Firewood



Logging and pruning residues



Fuel disposal



Farmland Biomass



Grain Crop



Oil Crop



Agricultural wastes



Perennial grass



Woody Crops

Other secondary and third biomass from agricultural land and woodland



MSW (Municipal solid waste) and Other residues



Animal manure

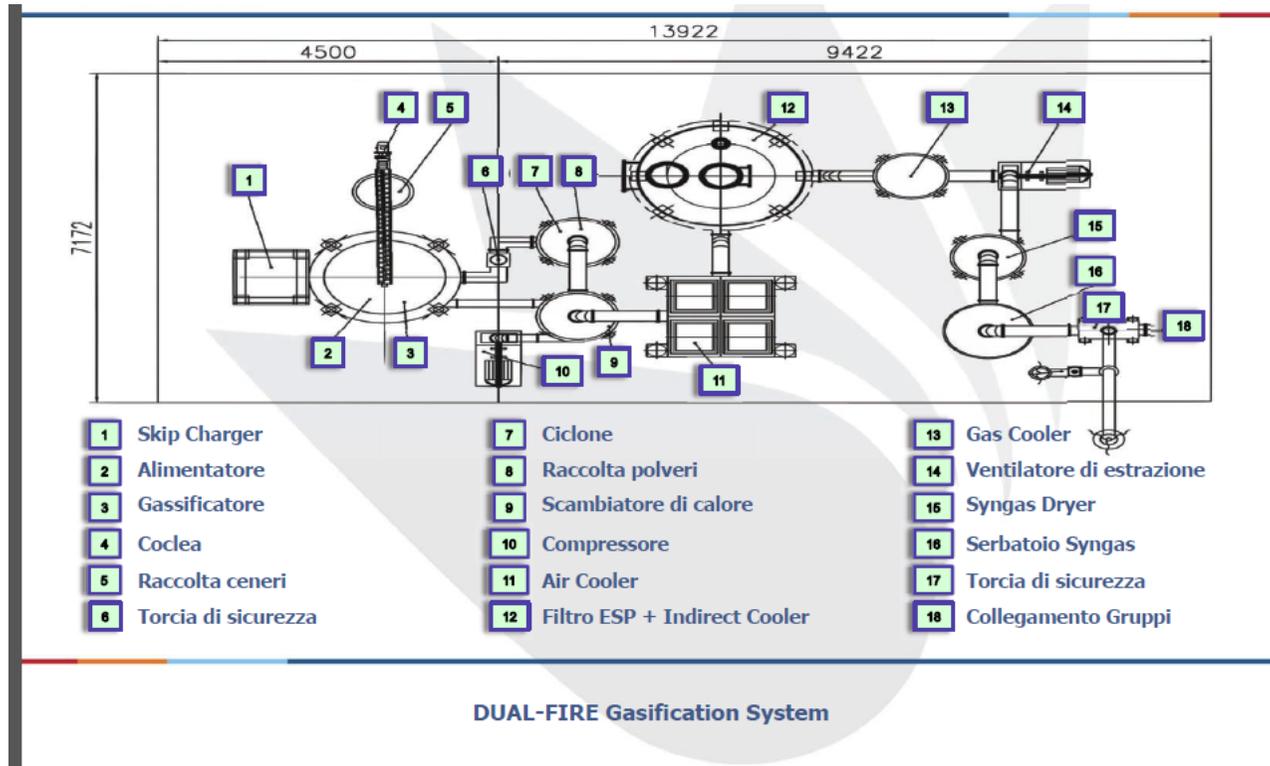


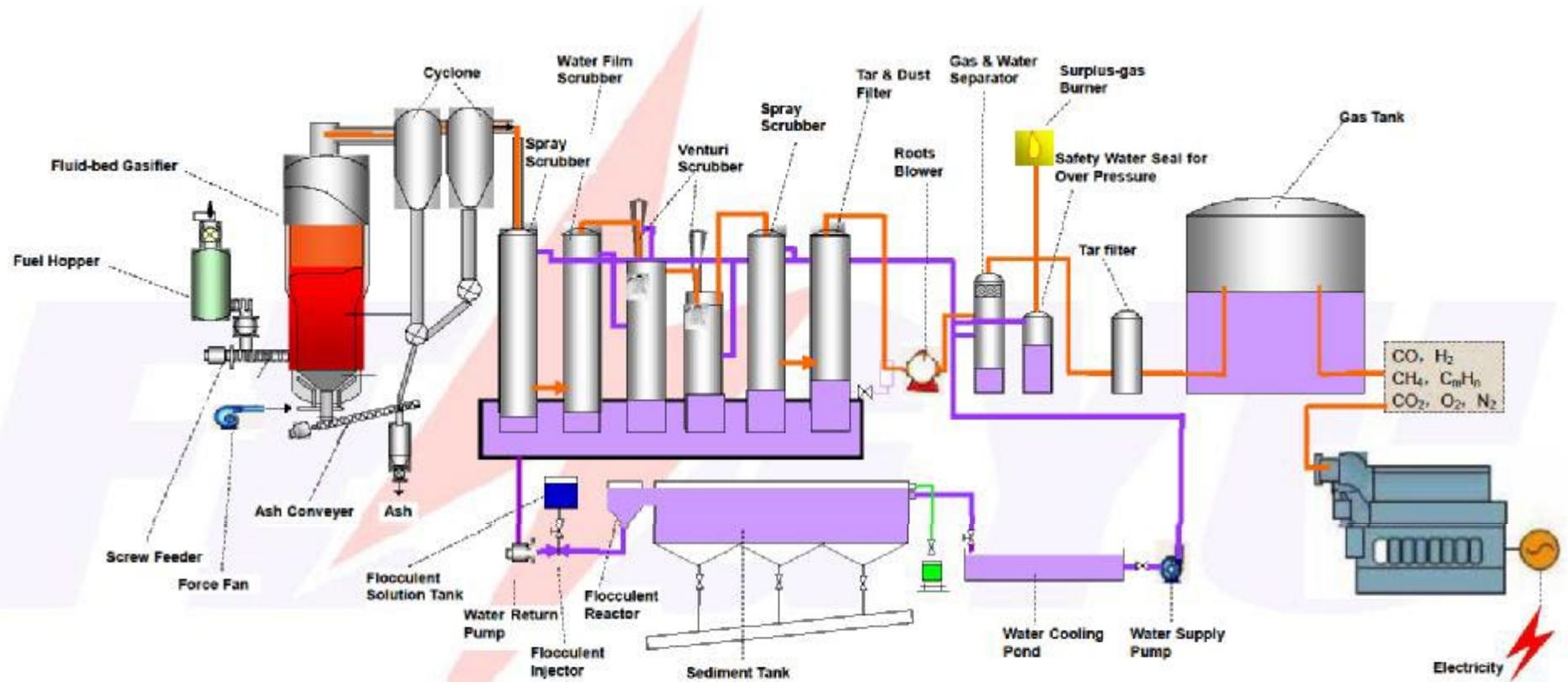
Grain Processing wastes



Peat / Coal Dust







**Flow Chart**

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**Thank you for your attention!**

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