



HECHO RELEVANTE EBIOSS ENERGY, AD

31 de Mayo 2016

De conformidad con lo dispuesto en la Circular 7/2016 del Mercado Alternativo Bursátil por medio de la presente se pone a disposición del Mercado la siguiente información relativa a EBIOSS Energy, AD:

Con motivo de la participación de EBIOSS Energy en el 12º Foro MEDCAP de empresas de mediana capitalización, organizado por Bolsas y Mercados Españoles, se adjunta la presentación corporativa que será utilizada en dicho foro, a celebrar los días 31 de Mayo y 1 de Junio de 2016 en Madrid.

Quedamos a su disposición para cuantas aclaraciones consideren oportunas.

Atentamente,

En Sofía (Bulgaria), 31 de Mayo de 2016

EBIOSS ENERGY, A.D.

D. Jose Óscar Leiva Méndez

Presidente de EBIOSS ENERGY, AD

The Power of **Waste**

Foro MedCap
2016

May 31st - June 1st



Disclaimer

This document contains forward-looking statements, including statements about the Company's future results. Investors should be aware that such statements are not a warranty of the future's performance of the company and could be involved in risks and uncertainties and, therefore, actual results may differ from those you can read in this document.

The risk factors include, among others:

1) the market situation; 2) macro-economic factors; 3) political, governmental and legal regulations; 3.1) administrative authorizations and planning; 3.2) uncertainty of patent protection and other intellectual property rights; 3.3) regulatory framework of the waste to energy sector; 4) changes in local and international securities markets, exchange rates and interest rates, liquidity; 5) competition; 6) technological developments; 7) changes in the financial situation, credit capacity, and solvency of customers, debtors, counterparties and the Company; 8) access to financial resources; 9) vertical integration strategy; 10) Insurance and risk coverage; 11) development of alternative solutions; 12) volatility of the energy price and evolution of regulated tariffs for waste to energy companies; 13) key personnel.

The Company is under no obligation to update or keep current the information contained in this presentation including any looking forward-statements or to correct any inaccuracies that may later become apparent.

The energy sector is subject to changes in the feed in tariff prices. These possible changes may alter the company's projections of incomes of this business plan.

Please be advised that this document may contain information that has not been audited or summarized, thus public information registered by **EBIOSS Energy** with the security market regulatory authorities should be consulted, in particular, prospectuses and the periodical information registered with the Spanish Securities Market Authority (MAB).

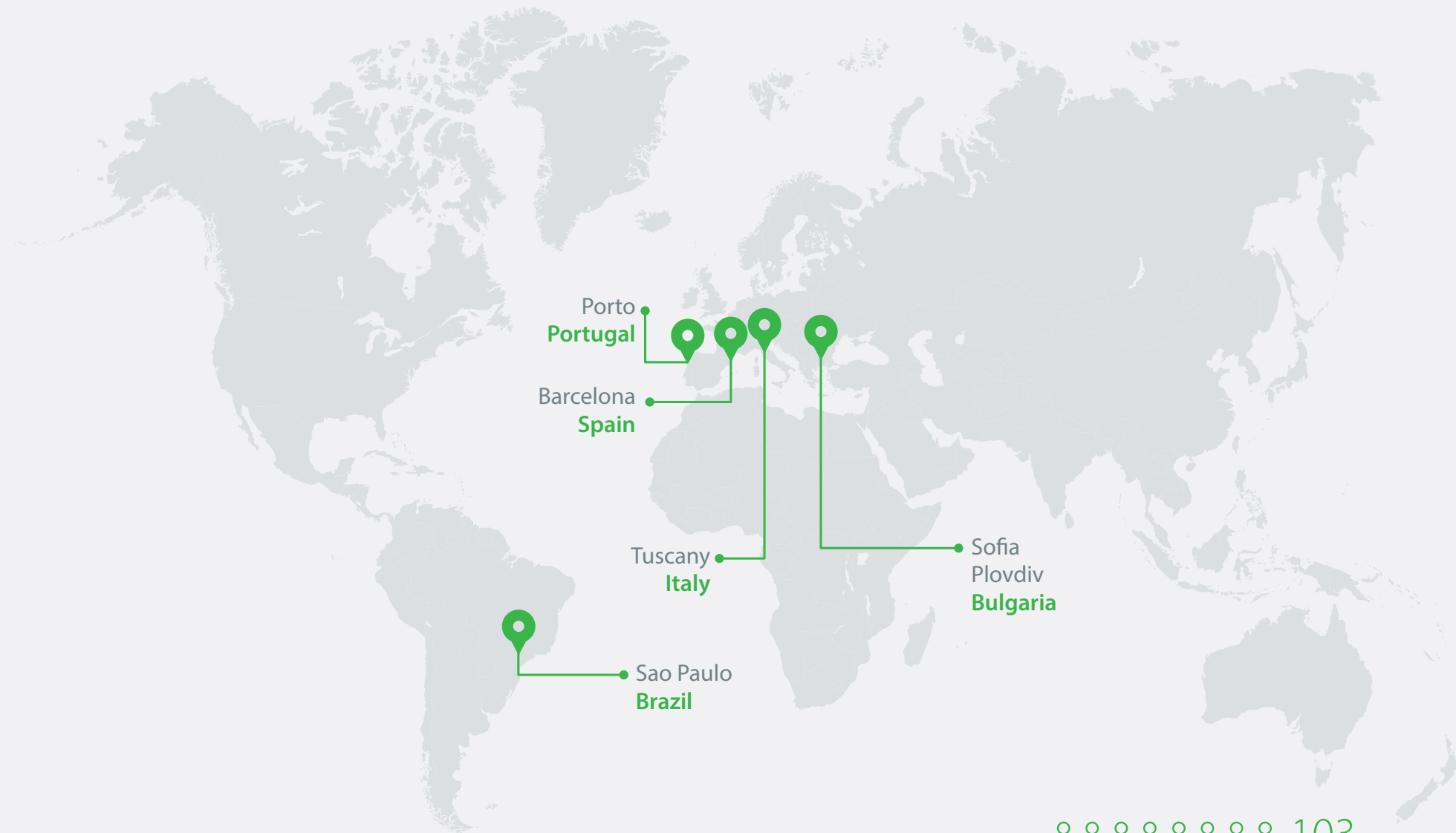
These projected financial statements are for the purpose of providing updated information to existing and new investors. These projected financial statements should not be considered to be a recommendation of investment.

This document is only provided for information purposes and does not constitute nor may it be interpreted as an offer to sell or exchange or acquire or solicitation for offers to purchase any share in the Company. Any decision to buy or invest in shares in relation to a specific issue must be made on the basis of the information contained in the relevant prospectus filed by the Company in relation to such specific issue.

The Company



The Company – Overview



The Company
– Business /Activities



EQTEC

Engineering & EPC Services



KARLOVO & HEATBIOMASS
SYNGASITALY

Energy Production



Tnl
beyondfuture

Waste Management Solutions

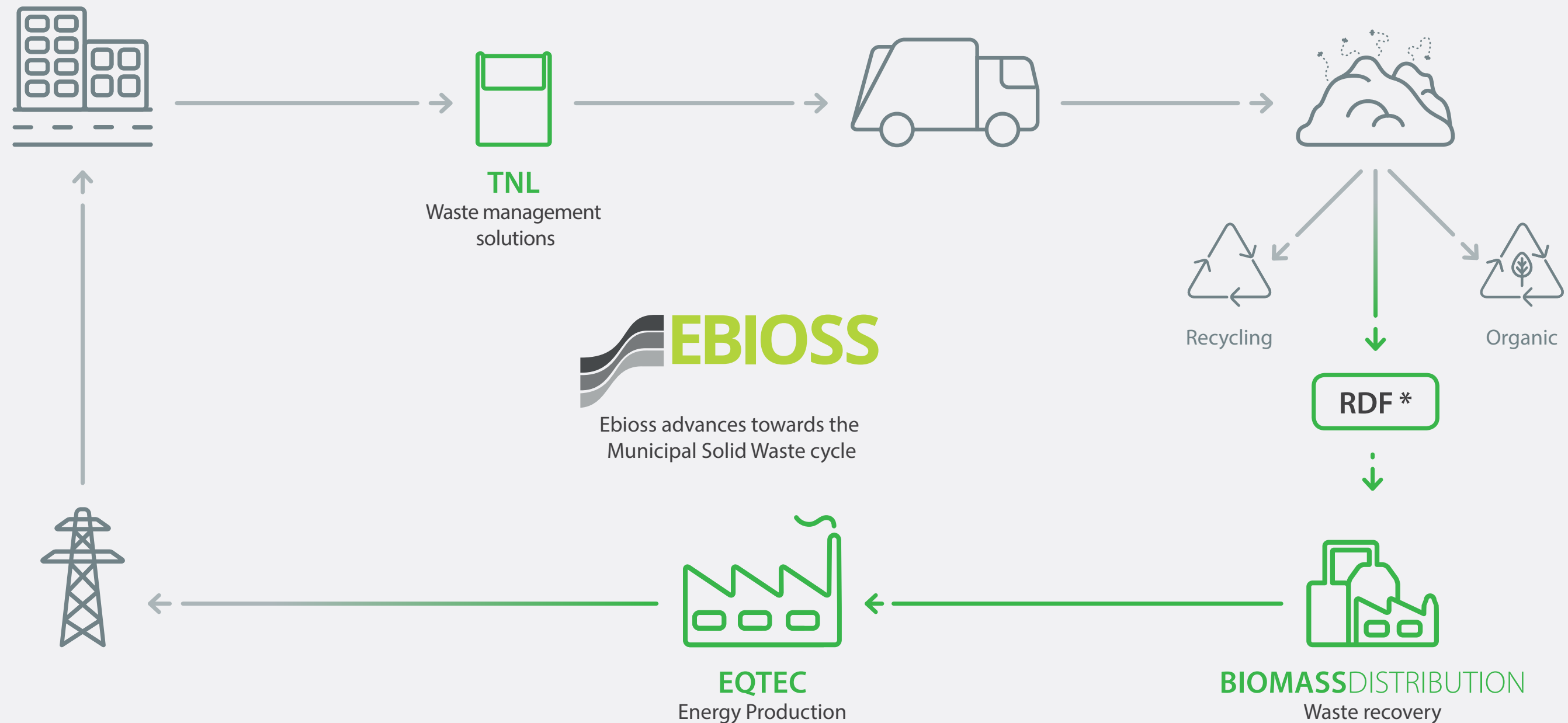


BIOMASSDISTRIBUTION

Waste Recovery



– Municipal Solid Waste cycle

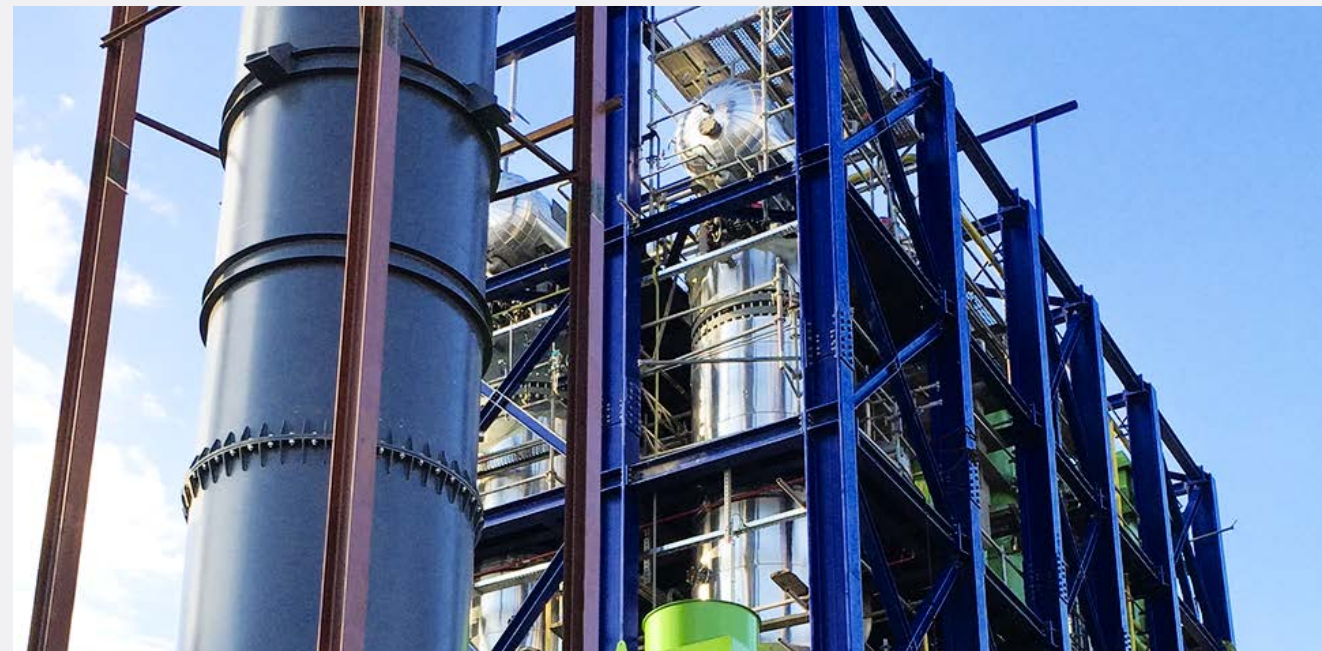


*RDF is a fuel produced by shredding and dehydrating solid waste (MSW).
Consists of combustible components such as plastics and biodegradable waste.

http://en.wikipedia.org/wiki/Refuse-derived_fuel

– Engineering & EPC Services / EQTEC Gasifier Technology EGT

EQTEC



EQTEC has a proven technology for construction of industrial size gasification power plants.

EQTEC Iberia was founded in 1997 and began its activity on the basis of the knowledge of a group of experts in the energy field with over 30 years of experience.

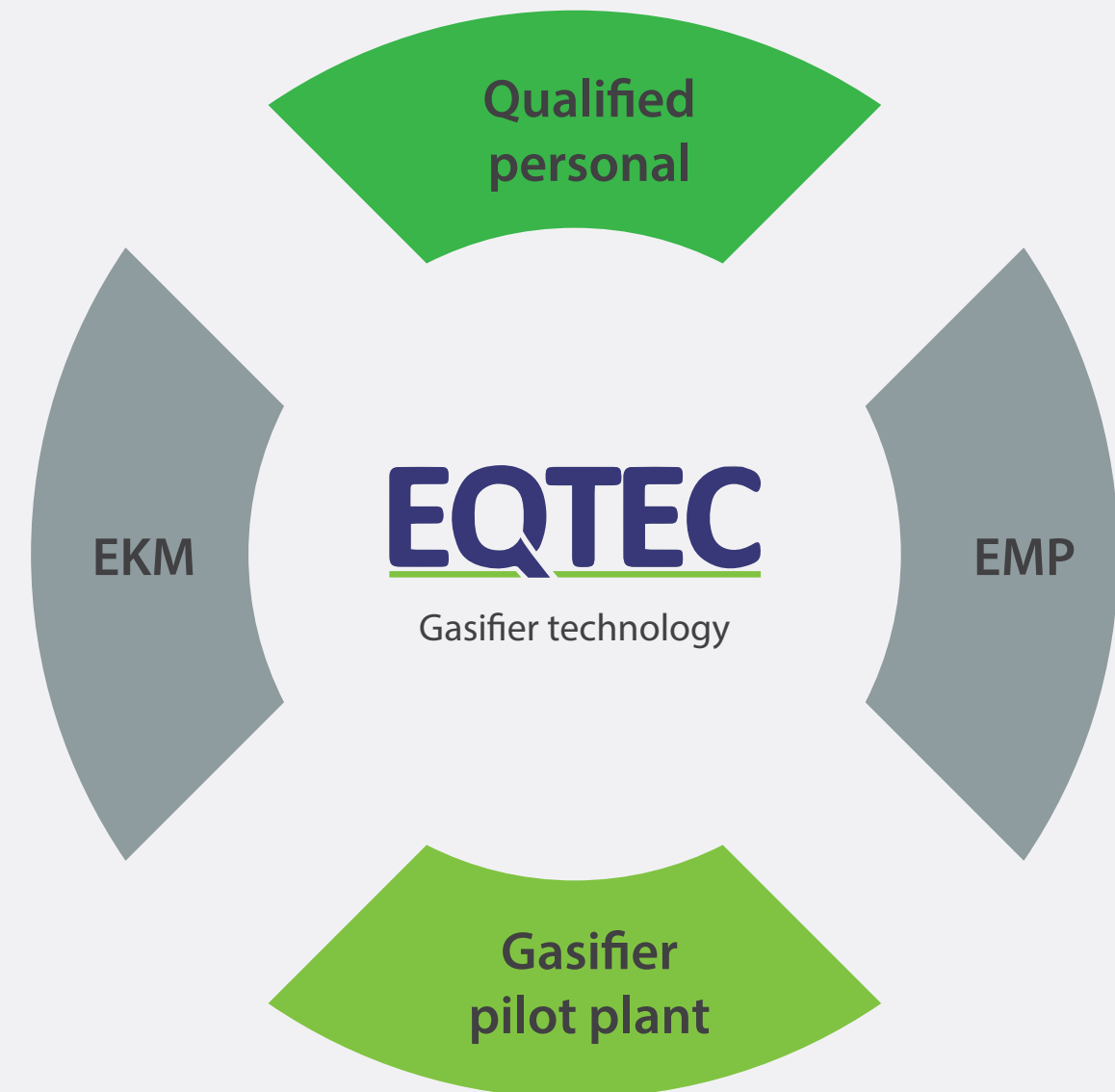
EQTEC's main activity is the design, EPC (Engineering, Procurement & Construction) and Operation & Maintenance of power plants and thermal generation based on thermochemical gasification of biomass and waste using its own patented technology **EQTEC Gasifier Technology**.

The company has designed or built over 70 power plants, with capacities ranging from 60 kWe to 40,000 kWe.

– Engineering & EPC Services / EQTEC Gasifier Technology EGT

EQTEC Gasifier technology based on:

- Highly qualified personnel with ability to design, build, operate and maintain gasification technology.
- **EQTEC** Kinetic Model (EKM) is a powerful simulation tool in house developed based on a computer aided kinetics model.
- Pilot plant University of Extremadura (Spain)
- In-house Developed **EQTEC** Monitoring Platform (EMP)
- High quality gas used directly on General Electric Engines



The Company

– Engineering & EPC Services / Monitoring platform

EBIOSS Energy subsidiary **EQTEC** Iberia has developed **EQTEC** Monitoring Platform (EMP), a system of monitoring and control of energy production plants with waste gasification technology **EQTEC** Gasifier Technology (EGT), which allows secure, reliable and efficient installation.

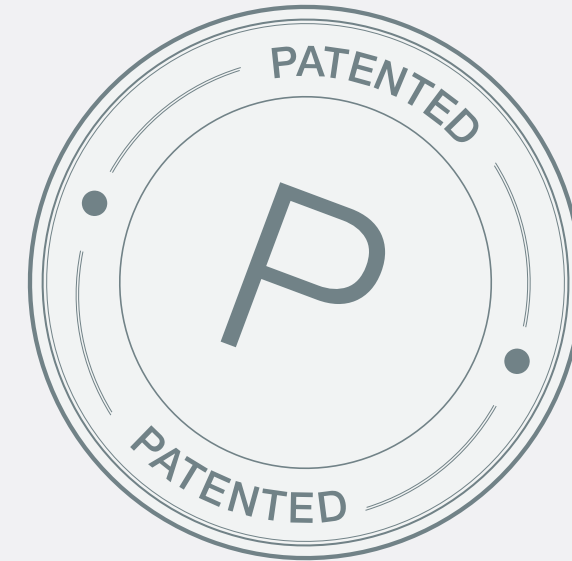
- Programmable Logic controller (PLC) and system Supervisory Control And Data Acquisition (SCADA).
- Remote monitoring, even from multiple control centers.
- High reliability of the EMP system.
- Unassisted operation of facilities.
- User Interface very powerful AND yet easy to operate.
- EMP allows you also to manage maintenance operations of the plant.
- Configurable too remote to establish trading strategies.



Images of the monitoring system a waste gasification plant industrial agriculture, with indication of the main operating variables.

– Engineering & EPC Services / Patented technology

At the second half of 2014 year, **EQTEC** Iberia has obtained the grant of two patents that were recently published in the Official Bulletin of Industrial Property of the Spanish Patent and Trademark Office.



01.

“Method for solid organic materials gasification reactor and employee”

02.

“Process for the development of a stream of gas from a gasifier, tars thermal cracking and renovated with steam and employee reactor”.

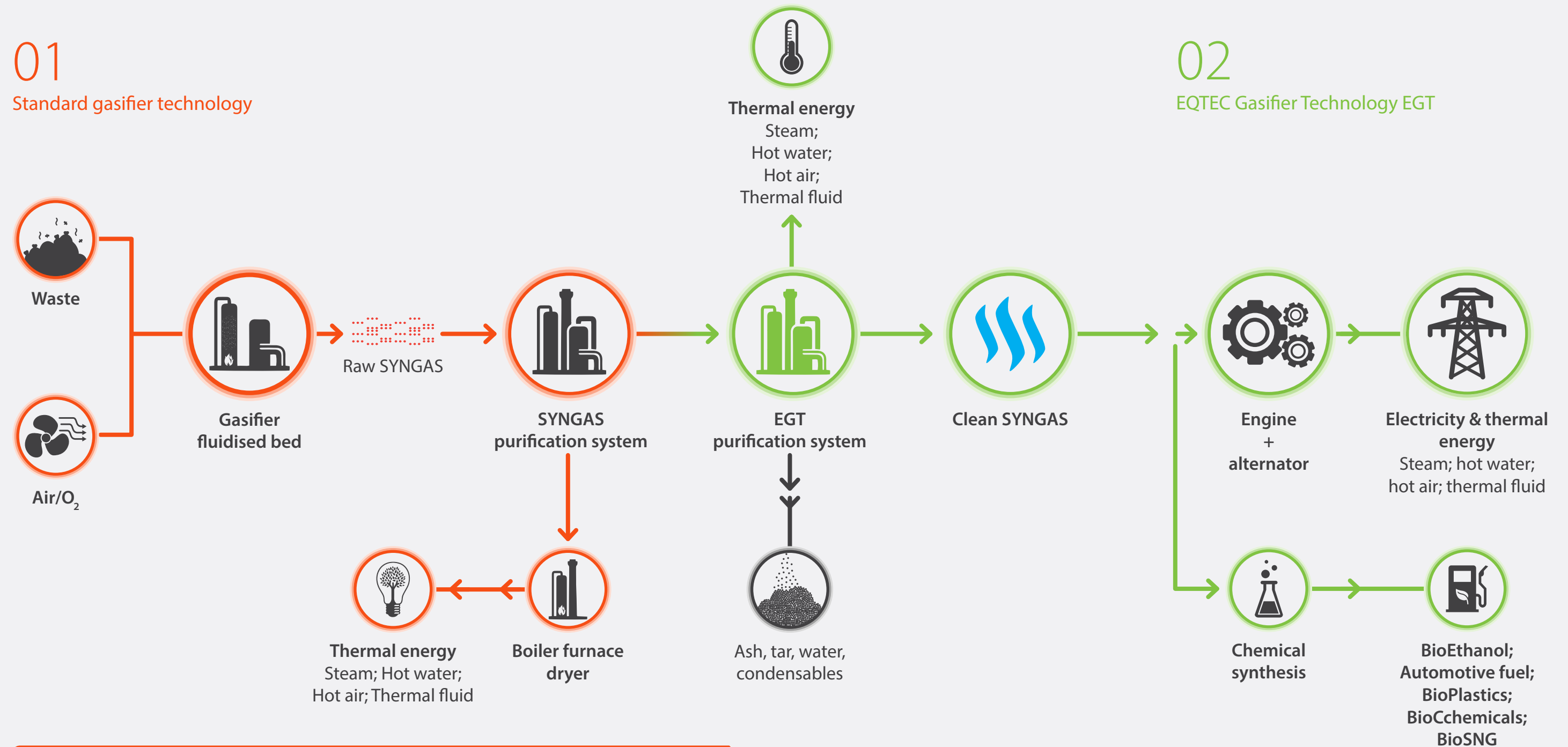
The Company

– Engineering & EPC Services / EQTEC Gasifier Technology EGT

Applications of Syngas

01

Standard gasifier technology



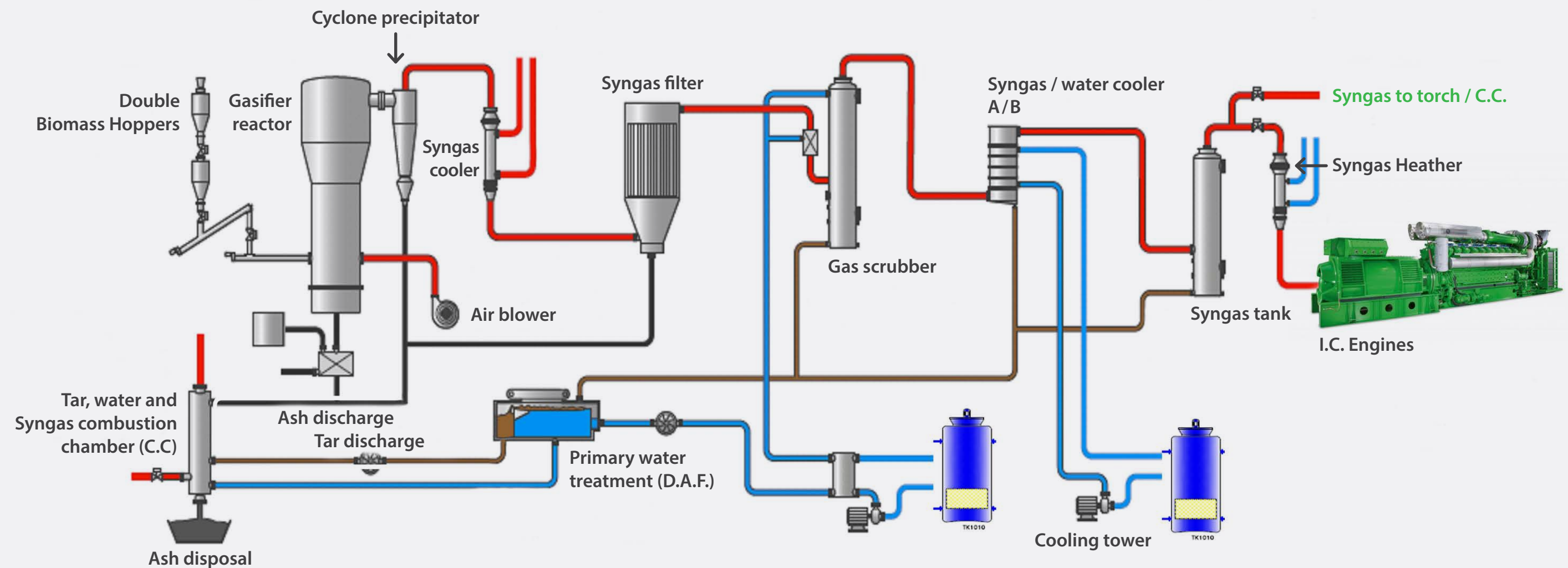
Standar gasifier technology

EQTEC Gasifier Technology process

The Company

– Engineering & EPC Services / EQTEC Gasifier Technology EGT

Process for electricity generation



– Achievements & Goals / 3rd Generation RDF Gasifier Technology

This is a solution for Municipal Solid Waste:

01.



- Life extension for landfills
- Reduce CO₂ emissions
- Secure fuel supply

02.



- Elimination of waste
- Tipping fee*
- Gas production at a very competitive price
- Low CO₂ emissions

03.



- Competitive electrical tariff thanks to tipping fee incomes
- Self sufficient energy model

*Tipping Fee / Gate Fee: is the charge levied upon a given quantity of waste received at a waste processing facility

http://en.wikipedia.org/wiki/Gate_fee

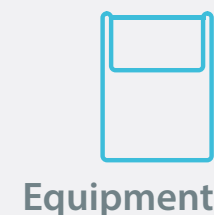
The Company

– Waste Management Solutions / Tnl Technologies



Tnl is a global technology and innovation company headquartered in Portugal. With a solid presence in the market for over 10 years, our core business is focused on developing underground solutions for waste collection.

Waste management integrated system (decision support), enabling the optimization of resources and consequent reduction of operational costs, based on **Tnl** equipments, low cost communication tools, maintenance service and financing support.



Equipment



Maintenance



Communications
system



Financing

Tnl was acquired in 2014 for the purpose of positioning **EBIOSS** in the first stage of the Municipal Solid Waste value cycle. The waste collection is a strategic part of the valorization cycle which ensures provisioning of fuel for our power plants. With this incorporation to the holding structure, **EBIOSS** adds another source of incomes and provides long term stability and diversification for the shareholders which contributes to the cash-flow of the Group.

Municipal Solid Waste market is a major growing sector worldwide and the positioning of **Tnl** in the market boosts the introduction of **EBIOSS** in the MSW sector for the power plant sales.

– Waste Management Solutions / TnI Equipments



bigtainer®

The **Bigtainer OT6** is the new generation of **TnI** system, higher capacity and more technologically advanced. The compactor, which allows the temporary storage of waste, is available in single or two-chamber version, allowing the deposition of two distinct types of waste simultaneously.



citytainer®

The **Citytainer** consists of a single metal platform, collected by crane, that can house from 1 to 4 containers (this is the ideal configuration for recycling), from 3000 to 5000L.

The Company

– Waste Management Solutions / Tnl itWaste solutions

Waste management integrated system (decision support), enabling the optimization of resources and consequent reduction of operational costs, based on **Tnl** equipments, low cost communication tools, maintenance service and financing support.



Equipment

High capacity equipment for waste deposition



Maintenance

Preventive maintenance services included in the contract, which allows to preserve and increase the useful life of the equipment.



Communications system

Low cost communication system that allows cost reduction between 20% and 40% derived from the monitoring of the containers filling level and subsequent management analysis.



Financing

Allows the customer to use the equipment, temporarily at a fixed fee, monthly, for adjusted periods, without recourse to self-financing.

The Company
– **Waste Recovery** / Biomass Distribution

BIOMASS DISTRIBUTION

Biomass Distribution is involved in the collection of biowaste and conversion into fuel for our power plants and international customers.



Location: STROEVO / Over 20,000 tons stored / Long contracts with producers of the region



Location: STROEVO / Pelletizing plant 5-6 Ton/hour

The company currently owns the major contract in Bulgaria with the largest straw providers for 15 years. The Company is working to close future contracts in other regions for different type of fuels.

Biomass Distribution is finalizing the construction of a pelletizer plant in Stroevo. This plant produces 6 tones / hour of pellets and will feed **EBIOSS** power plants and external customers. Additionally will sell pellets in the market at a competitive price.

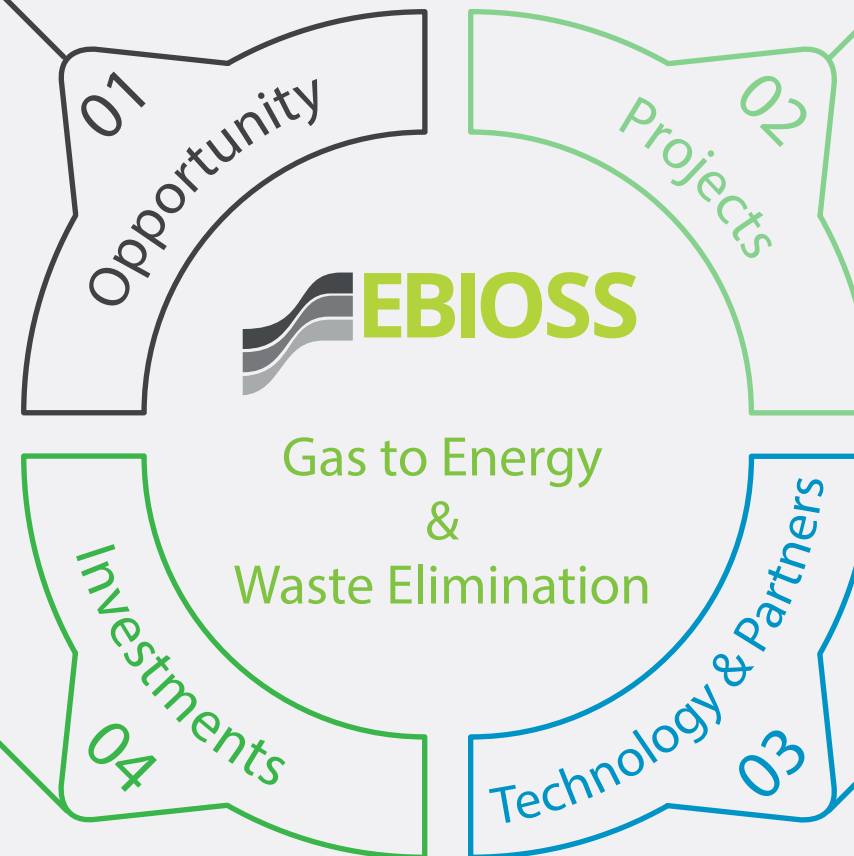
– Municipal Solid Waste Solution

Opportunity

- Municipal Solid Waste is the main problem for Municipalities
- Market with huge potential and in a growing expansion
- Non cyclical and stable market

Investments

- Participate in Gasification Technology boom
- Own RDF gasification power plants
- Long term and stable investments
- High interest in the Municipal Solid Waste sector
- Secure investments based on long term municipality contracts



Projects

- **EBIOSS** has under negotiation 8 RDF projects
- New markets under mature negotiations are Middle East, Asia, Eastern Europe and UK
- **EBIOSS** aims to invest in these key projects for international visibility and benefit of high returns for its investors

Technology & Partners

- Advanced "gas to engine" technology
- Proven track record
- Alliances with major energy players: General Electric, EDF, GDF...

Main Drivers



– Main Drivers





01

City Waste

01. The Problem

In 2025 the World's MSW production will increase by 72%
Current infrastructures cannot cover World's world's needs of
waste Disposals.

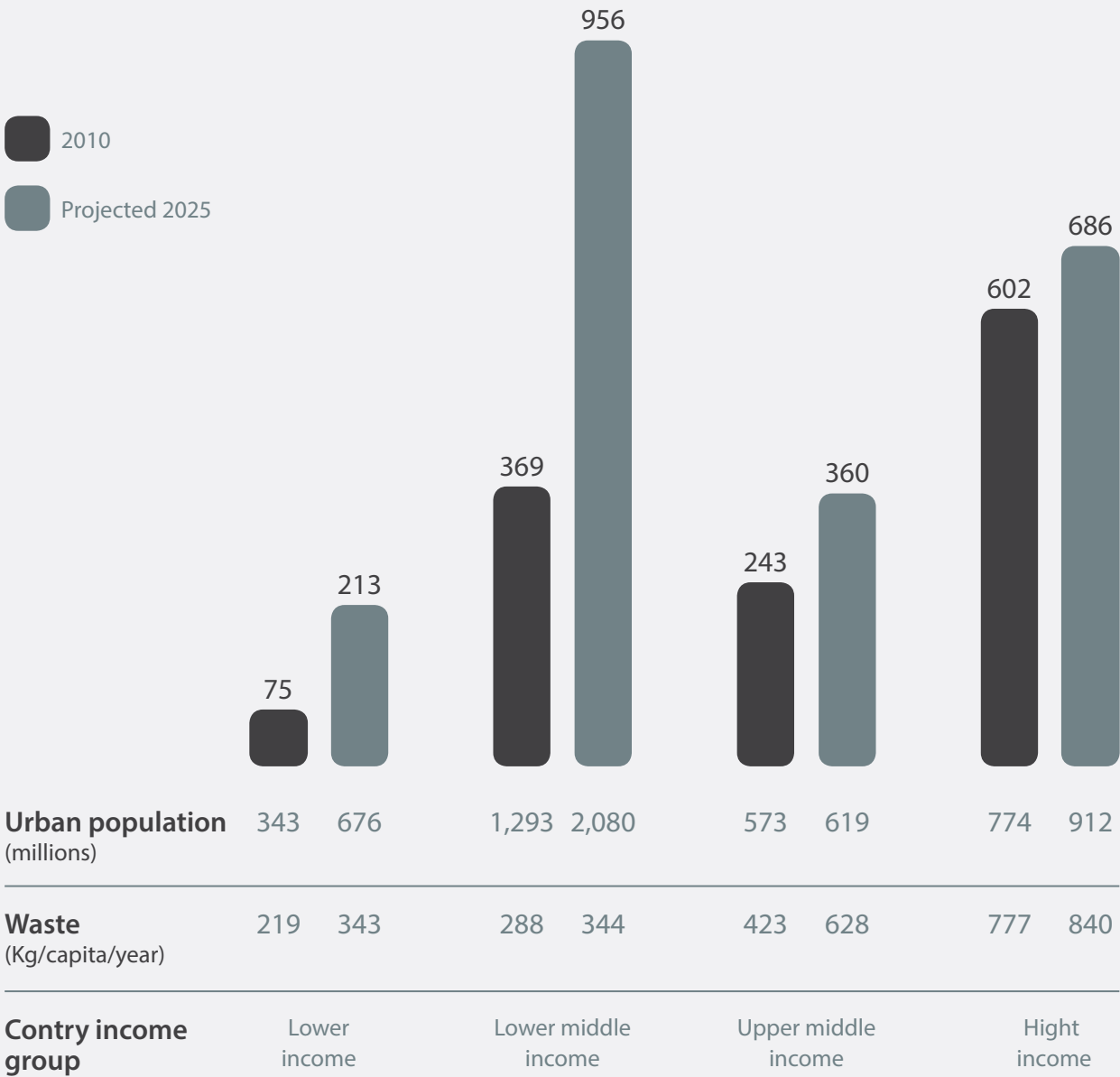
- Urban population will increase from **3 billions** up to **7.6 billions**
- Waste generation will increase from **3.5 million** tones/day up to **6.1 million** tones/day

1.3
billion tones/year

1.2 kg
per capita/day

Source
The World Bank, 2025 Forecast

Waste generated (millions tons/day)



Source
The World Bank, 2025 Forecast

01. The Opportunity

- No supply risk of the fuel
- Fuel of very high caloric power – High efficiency – High returns for investors
- Double income: energy sales and tipping fee
- Less dependency / No dependency on Feed-in Tariff
- Solutions for Landfills storing by **eliminating 85 – 92% of RDF**
- Almost zero emissions of CO₂
- Support of all Administrations

€36 billion
business potential in Europe

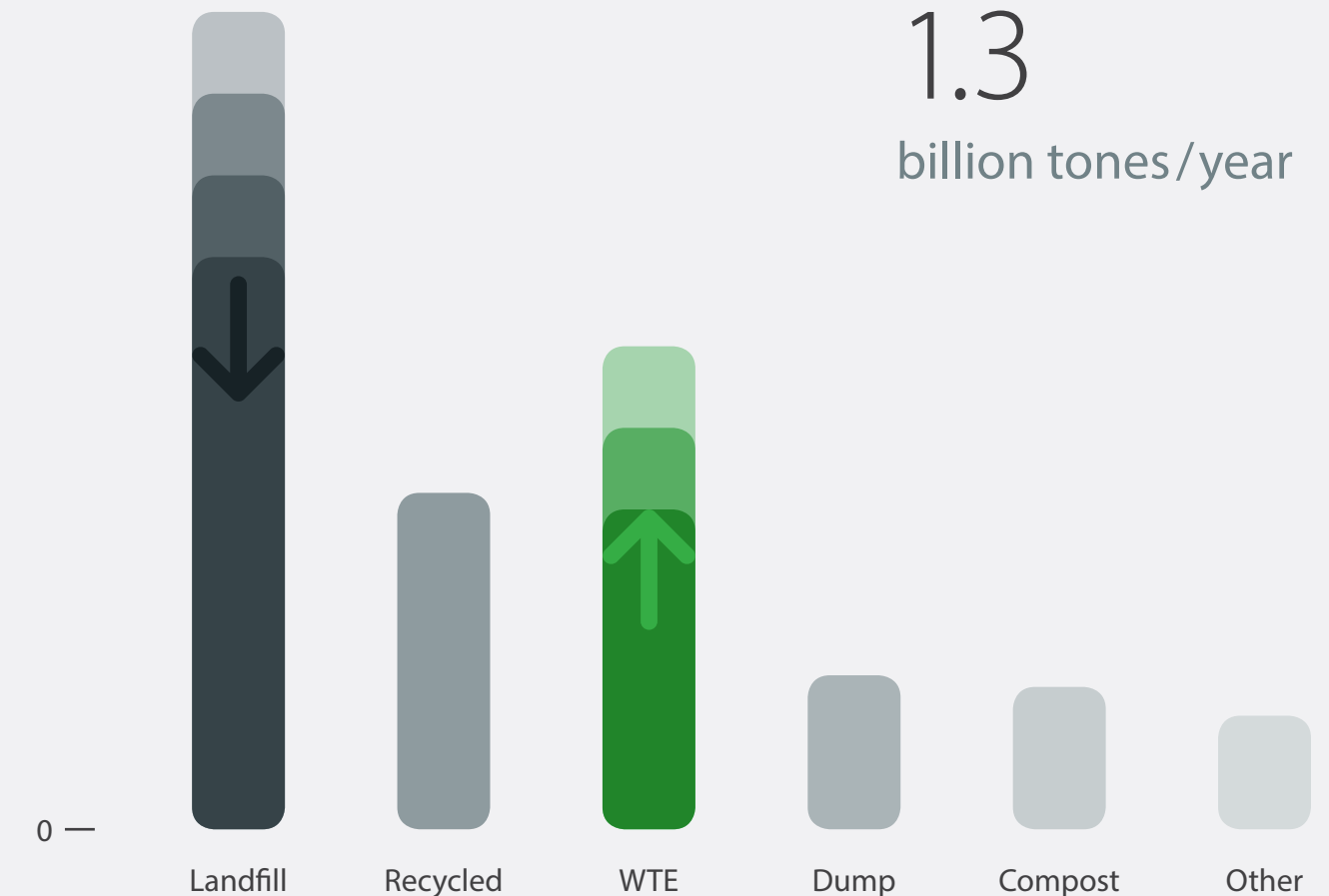
Source
Steinbeiss Europe Zentrum SEZ Institute

Total MSW disposed of worldwide

Amount disposed (millions tons/year)

400 —

1.3
billion tones/year



Source
The World Bank, 2025 Forecast

City Waste

01. Technologies

Waste to Energy Technologies for Landfills



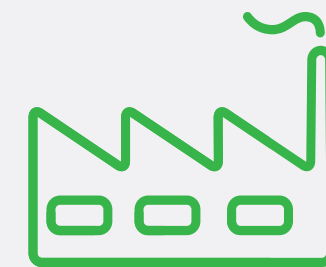
Bio Gas (anaerobic digestion)

- Less efficient than gasification
- No elimination of waste
- Low return on investment due to big amount of waste required



Incineration

- Less efficient than gasification
- Elimination of waste
- Low return on investment due to big investment on purification system
- High emissions of CO₂
- Big plant size to obtain acceptable ROI
- Social opposition



Gasification EQTEC Gasifier Technology

- Highest efficiency
- High returns for investors
- Profitable technological investment
- Elimination of waste of 85 - 92%
- Less emissions of CO₂
- Environmental friendly

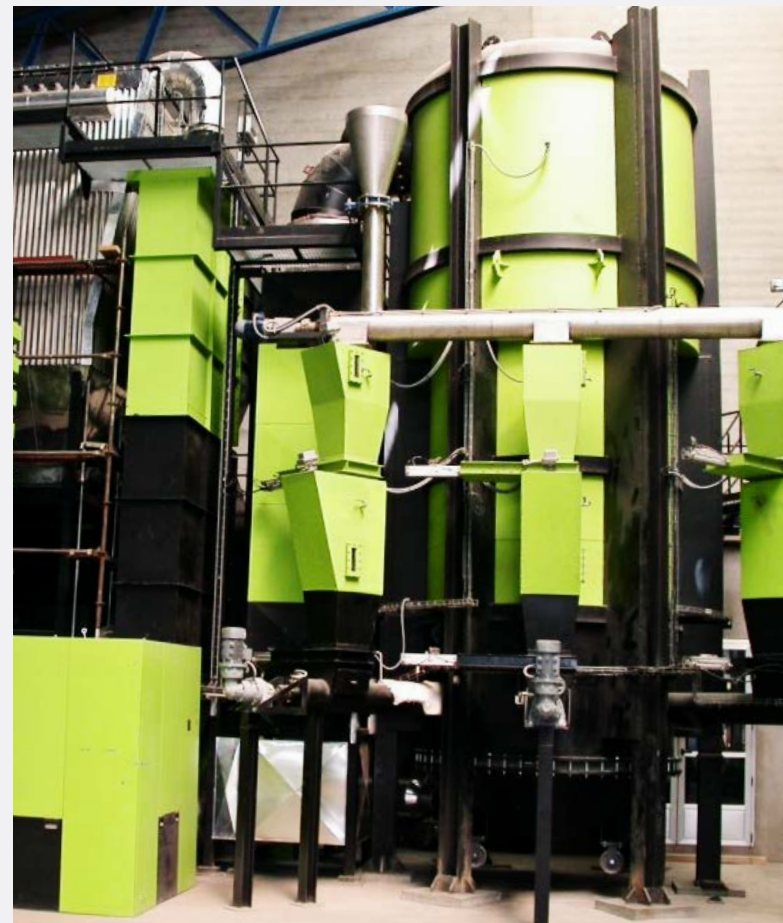
MOST PROFITABLE TECHNOLOGY



02

3rd Generation Gasifier

02. Evolution of EQTEC Gasifier Technology



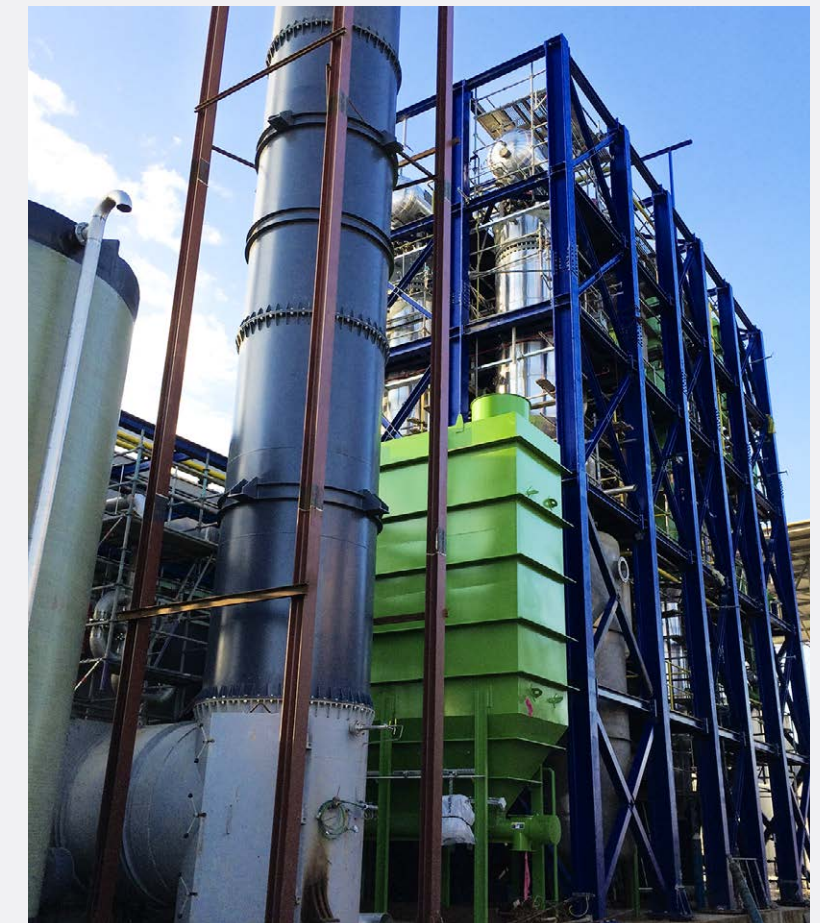
1st Generation

1 Ton/h



2nd Generation

1 Ton/h



3rd Generation

3 Tons/h

02. Standard product to address the world’s growing waste problem

After 18 years of research & development and over €8 million invested in the new 3rd Generation Gasifier (already erected in Bulgaria), **EBIOSS** can now offer to the market a standardized product, which can be delivered in large numbers to customers worldwide without the need for expensive customizations and adjustments.

Our 3rd Generation multi fuel **EQTEC** Gasifier is our most advanced gasification technology till now.

It can deliver the following electricity output per one single unit:

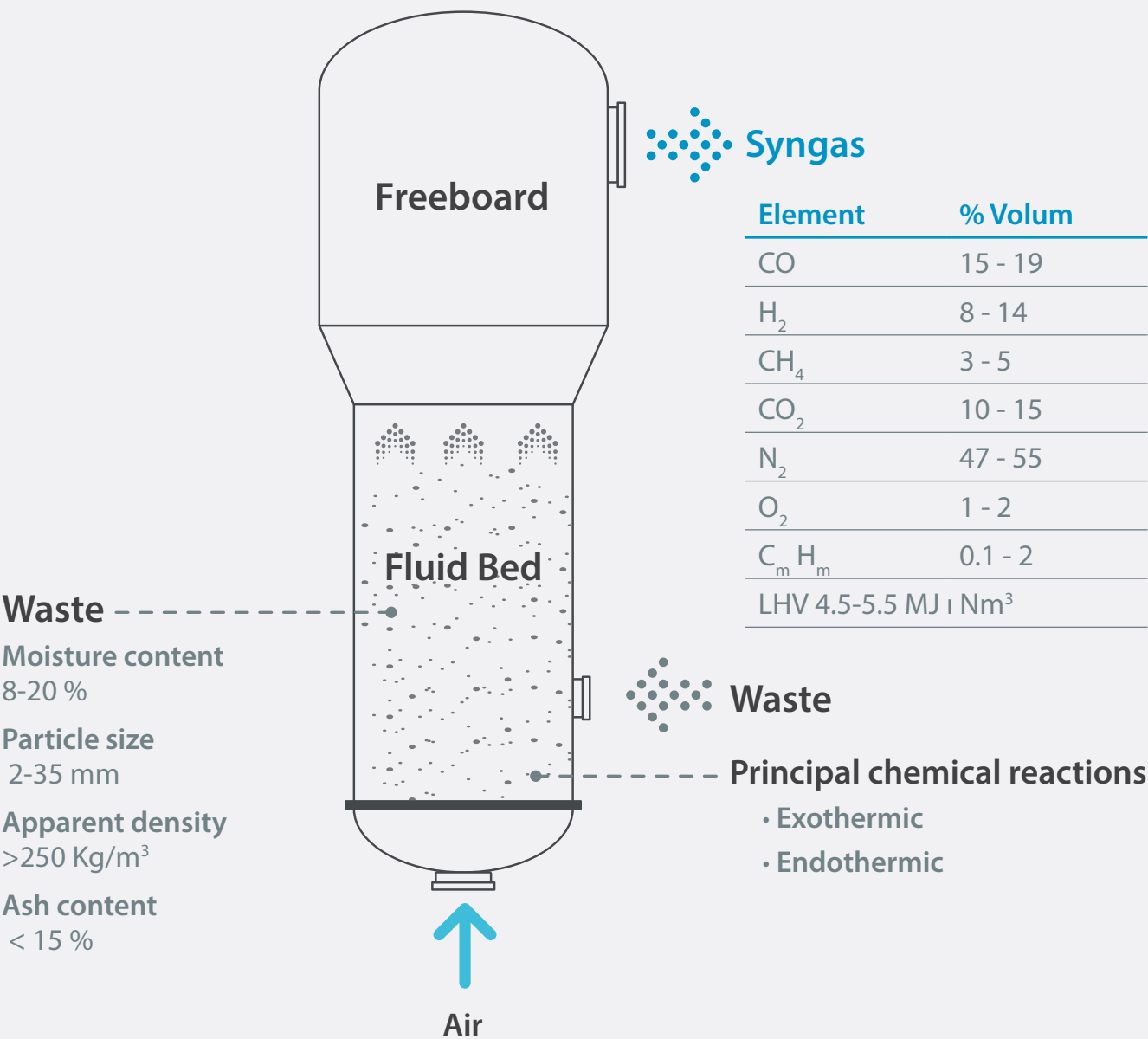
- up to 3 MWe* with straw waste (agricultural waste)
- up to 4 MWe* with wood waste (forest and construction waste)
- up to 6 MWe* with RDF derived from Municipal Solid Waste

The development of this unique product benefited from our experience with our previous generation gasifier, which has been running continuously for 40 thousand hours.

The investment in Karlovo allowed us to develop and implement our 3rd Generation Gasifier Technology as a unique product for multiple types of solid wastes.

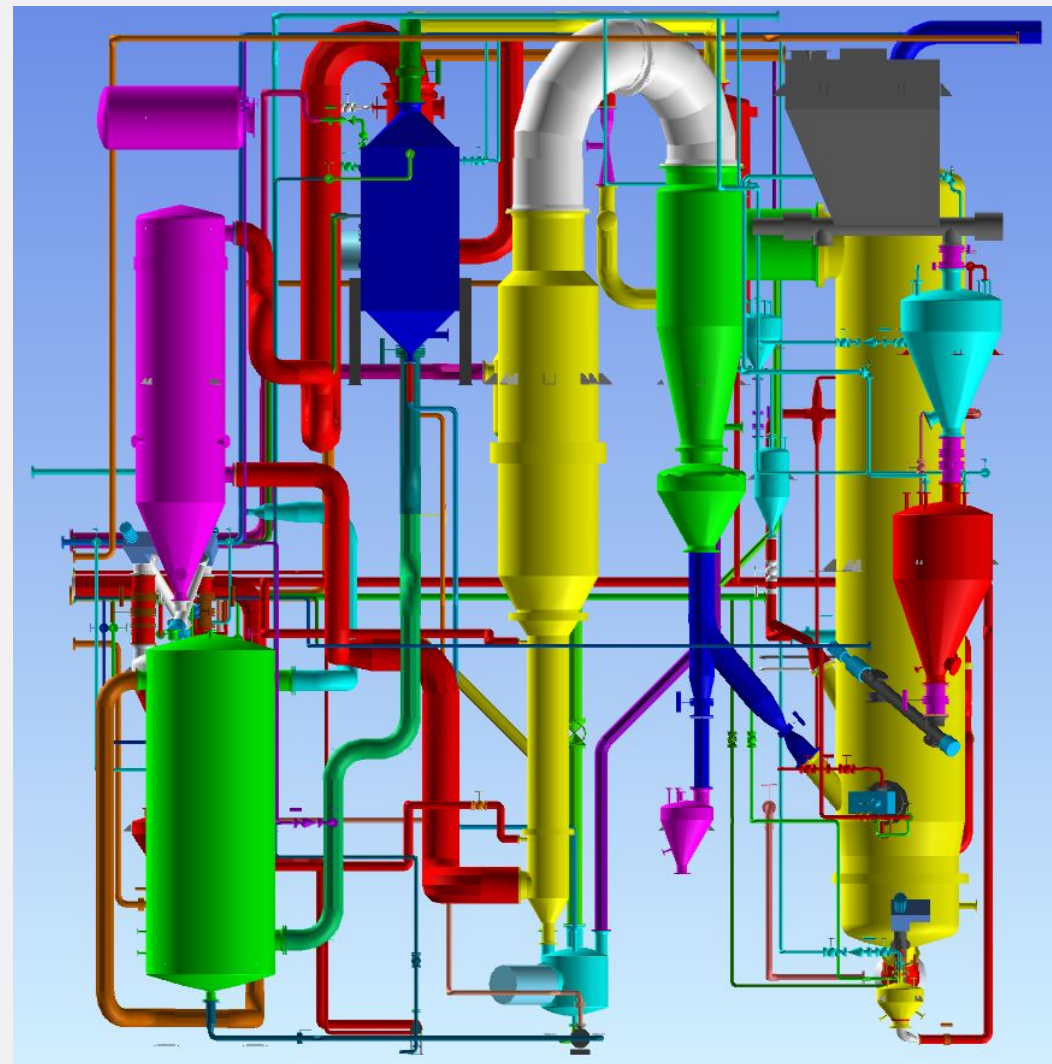
*The power capacity will depend on the calorific value of the waste material in origin

Our next goal is to commercialize the new standard gasifier on a large scale.



02. EQTEC Gasifier Technology power plant

- The last generation with highest capacity per hour
- Multifuel gasifier
- Multicapacity gasifier



3D Model



Karlovo Gasifier

03

International Demand

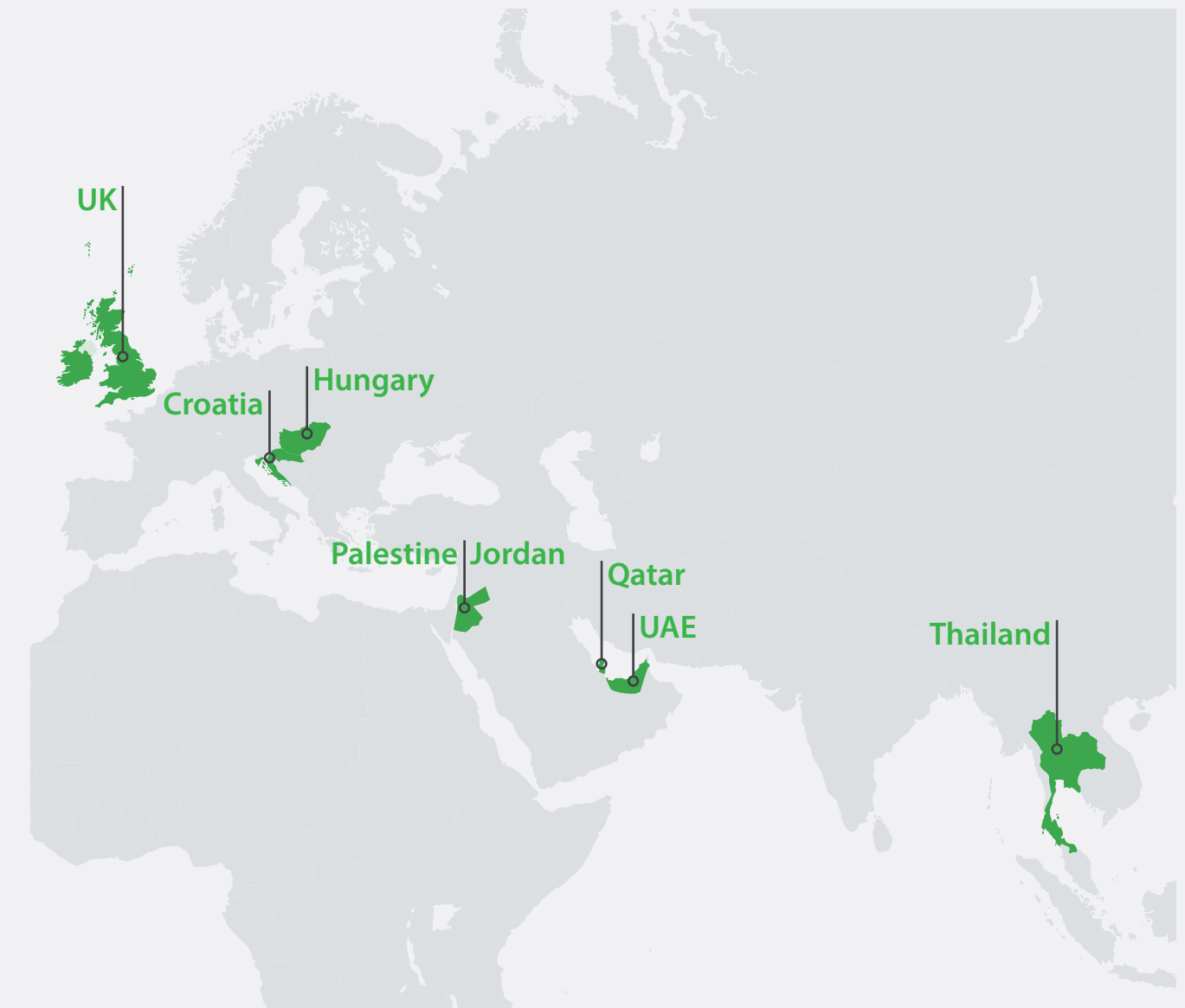


03. Shifting focus to International Markets

Global demand for our new 3rd Generation Gasifier is allowing us to diversify our business internationally

- In order to meet the demand for our next generation multifuel **EQTEC** Gasifier Technology we are standarizing this model allowing us to:
 - Increase our margin through economies of scale in the Design, Manufacture and Operation& Maintenance
 - Ensure the delivery on time to our clients through an standard assembly line production
- At present we are claimed by International Developers to deliver Turn Key Offers to install Waste Gasification Power Plants based on our new 3rd Generation Gasifier.

These potential projects are located in:



04

Strategic Partner
Energy China



Strategic Partner
– Energy China



China Energy Engineering Group Corporation Limited
(Energy China Group)



- Company ranked #15 in top 250 Global Contractors
- 140.000 worldwide employees
- 28.177 millions € in revenues 2015
- Has provided services in more than 80 countries and regions

Strategic Partnership that provides:

- Equity and assistance in Project Financing
- EPC services worldwide
- Access to asian market, mainly China
- Technical and financial capabilities

References & Track Record

– Strong Partners & Customers

Électricité De France (EDF) 



- Biggest electrical company in the world
- First European Renewable Energy producer, 2,2 GW under construction

Consortium GAMECO, 5 M€ Investment

Engie (GDF Suez)  

- +160.000 employees
- 1st world supplier of energy efficient services, 230 DHC sites in the world

JV SPL Lyon Confluence DH Project 25 M€ Budget

Endesa (ENEL GROUP)  

- 115.000 GWh/y
- 7,2 GW RE Capacity

Several CHP projects completed



Universität Stuttgart



UNIVERSITÉ DE LORRAINE



Research & Development Activities

- Karlsruhe Institute of Technology
- University of Stuttgart
- Royal Institute of Technology of University of Stockholm
- University of Lorraine

– Strong Partners & Customers

General Electric

- Multi billion US\$ Corporation
- Supplier of Gensets, tailor made for our **EQTEC** Gasifier Technology
- GE Capital to co-invest with **EBIOSS** in power plants (First case in Croatia)

Mott Corporation **mott corporation**

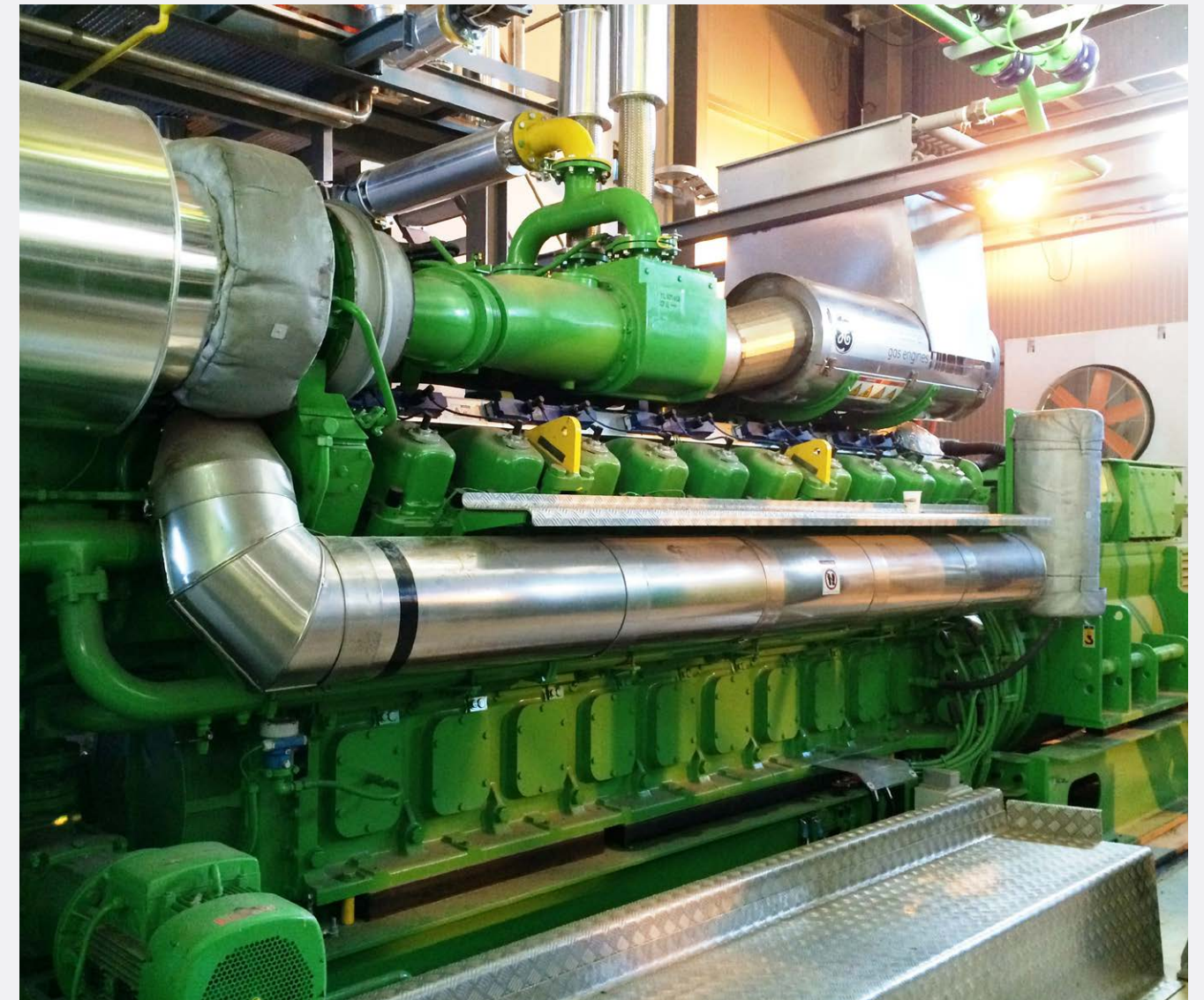
- World's premier manufacturer of diverse porous metal products
- Supplier of porous metal filter elements

Siemens **SIEMENS**

- 348,000 employees
- Supplier of control systems; PLCs, HMI; DCS, HW & SW.

Honeywell Combustion **Honeywell**

- Fortune 500 Company, +100.000 employees
- Supplier of Combustion units for thermal oxidizer



– Movialsa - Spain



5,9 MWe integrated biomass gasification chp power plant



General view

- 4 x 1000 Kg/h
- Biomass gasification plant
- 3 engines syngas jms 620

55.000
proven running hours

– Lorraine - France

Basic engineering contract and process for a Pilot Waste Gasification plant, located in Nancy, France. EDF together with the University of Lorraine commissioned **EBIOSS** Energy subsidiary **EQTEC** Iberia the design of a gasification pilot plant in order to conduct Research & Development by making tests with different types of potential fuels, based always on our **EQTEC**'s Bubbling Fluidized Bed EGT Technology.

EQTEC



– Executive Summary

01

Waste is biggest problem of Municipalities worldwide.

02

The most efficient technology in the waste to energy sector.

03

Generating energy by eliminating the waste.

04

Strong support of all Administrations solving their problem of the waste.

05

Our technology is well recognized worldwide by major global energy groups such as Energy China, Electricité de France, Gaz de France, General Electric...

06

Strong barriers to enter in the Gasification Business.

07

Our diversified Business Model maximizes the best returns on our investments.

08

A big pipeline of projects that generates recurrent revenues.

– Contact information



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