



## HECHO RELEVANTE EBIOSS ENERGY, SE

**6 de febrero 2018**

En virtud de lo previsto en el artículo 17 del Reglamento (UE) n° 596/2014 sobre abuso de mercado y en el artículo 228 del texto refundido de la Ley del Mercado de Valores, aprobado por el Real Decreto Legislativo 4/2015, de 23 de octubre, y disposiciones concordantes, así como en la Circular 15/2016 del Mercado Alternativo Bursátil (MAB), se pone a disposición del Mercado la siguiente información relativa a EBIOSS Energy, SE:

Con motivo de la participación de EBIOSS Energy en el Frankfurt European Midcap Event hoy martes 6 de febrero, se adjunta la presentación corporativa que será utilizada en dicho evento.

Quedamos a su disposición para cuantas aclaraciones consideren oportunas.

Atentamente,

En Sofía (Bulgaria), 6 de febrero de 2018

D. Jose Óscar Leiva Méndez  
Presidente de EBIOSS ENERGY, SE

# The Power of Waste

Group  
Presentation

January 2018



# 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 EBIOS 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).

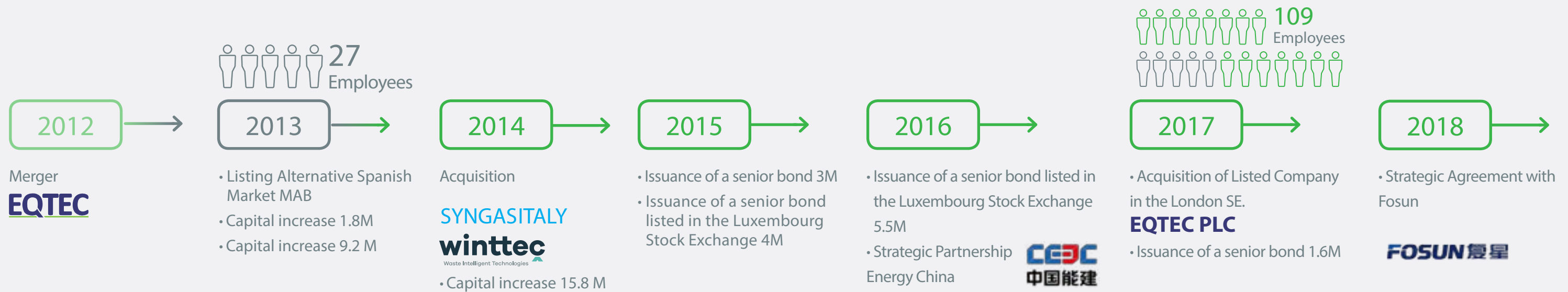
These projected financial statements are for the purpose of providing updated information to existing and new investors. These projected financial statements should not be considered to be a recommendation of investment.

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.

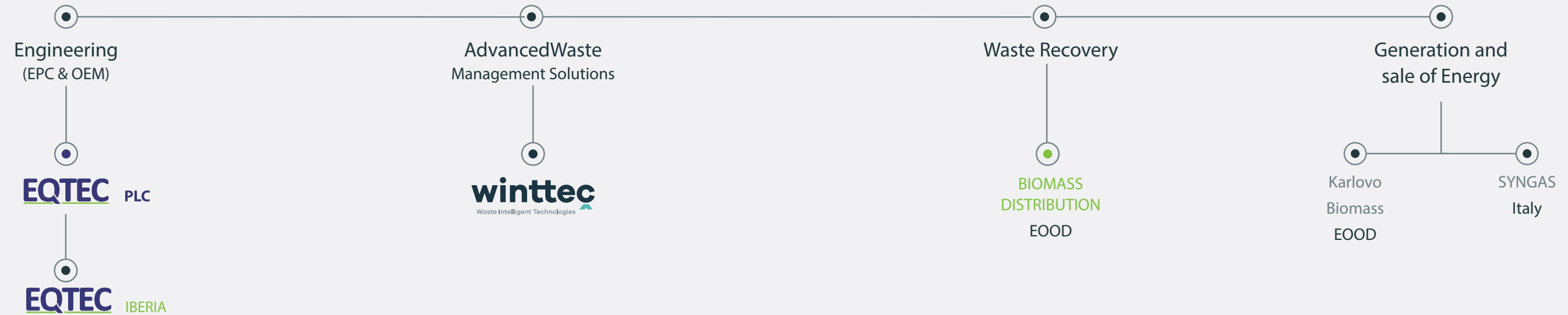
# The Group



The Group  
– Overview



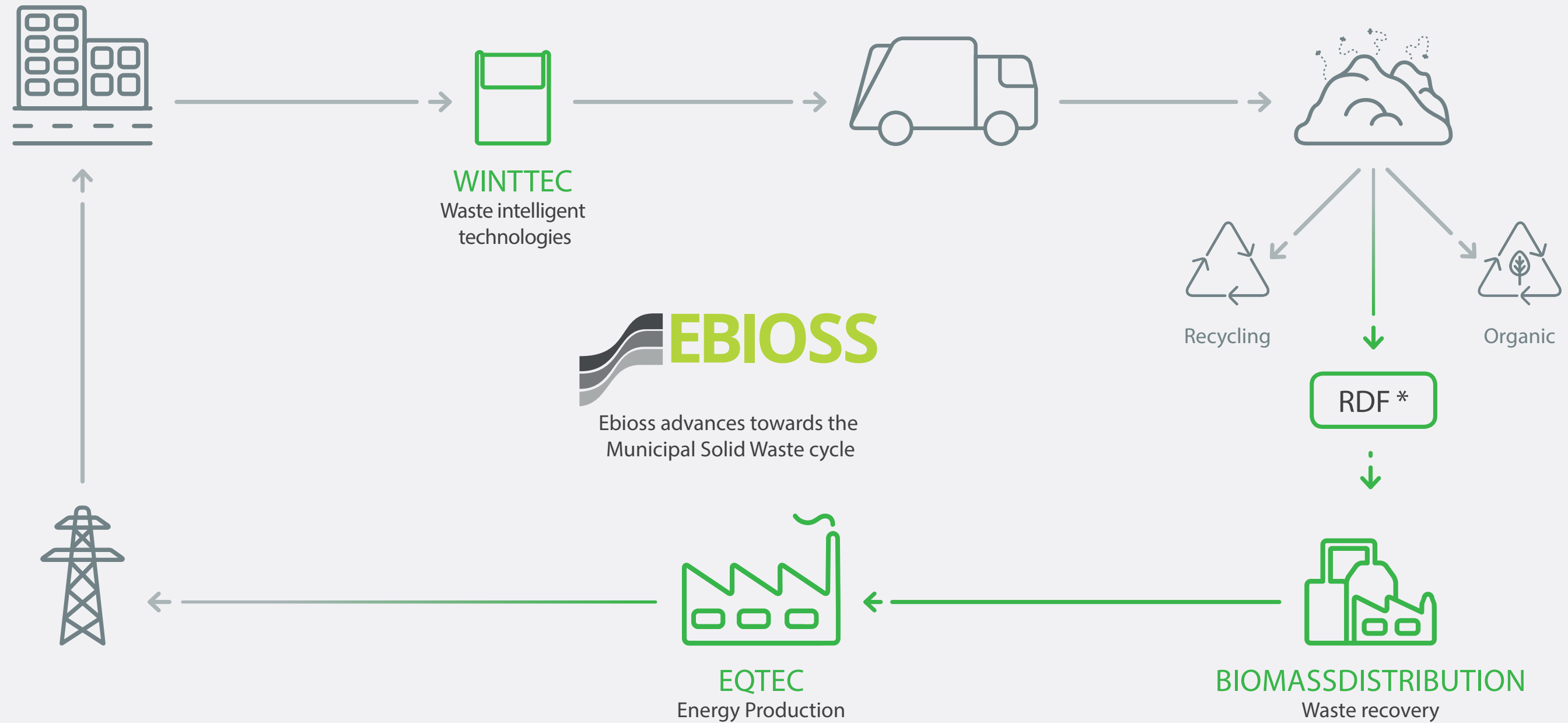
# – Corporate structure / Info



*“ EBIOSS is an international Group focused on the waste collection and waste elimination technologies ”*

The Group

# – 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](http://en.wikipedia.org/wiki/Refuse-derived_fuel)

The Group

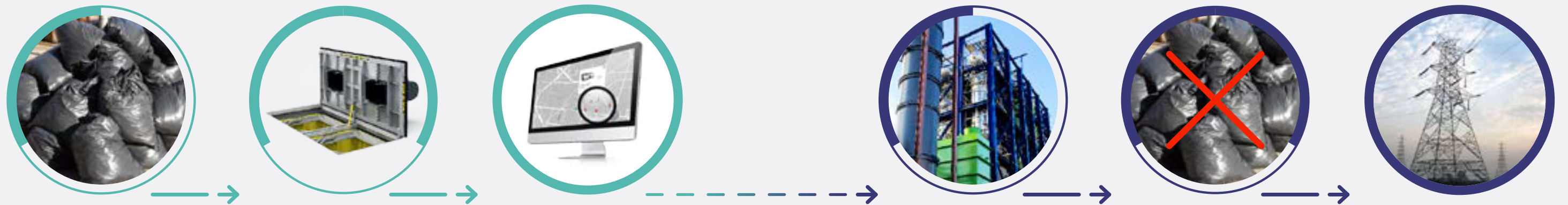
# – Waste Technologies



- Advanced waste containers controlled by GPS
- Real time telecommunication software for city waste management



- City waste elimination
- Clean energy production







**winttec**  
Waste Intelligent Technologies 

Winttec

## Strategic Agreement with Fosun

FOSUN is a Chinese financial group with assets worth 62,000 M eur, EBITDA of 3,070 M eur and more than 50,000 employees worldwide.

- 1 Factory available for the manufacture of WINTTEC equipment worldwide, for reducing costs, increasing estimated margins and being more competitive
- 2 CN-NL will finance the manufacture of the equipment produced in its facilities, significantly reducing WINTTEC's working capital requirements
- 3 Cover the big international projects thanks to the new productive capacity

**FOSUN** 复星

 **EBIOSS**  
40%



**CN-NL**  
60%

Winttec

## – Presentation

Winttec is a technology and innovation company with presence in different countries. With a strong market presence for more than 10 years, our main focus is on developing solutions for waste containers in urban areas.

Our market orientation, coupled with our knowledge of the principles of environmental policy and our commitment to the values of modern society such as sustainability and quality of life has led Winttec to leadership in the environment market.

Winttec has a network of local offices located in Portugal, Spain and Brazil. We are present in 147 cities and towns across the world, with 2,481 corresponding equipments installed more than 5,000 containers in various projects on three continents.

The focus on solutions, sets us apart from the competition. We not only supply waste containers in urban areas, we also specialize in creating solutions that allow complete control and management systems, optimizing waste collection in a specific area.

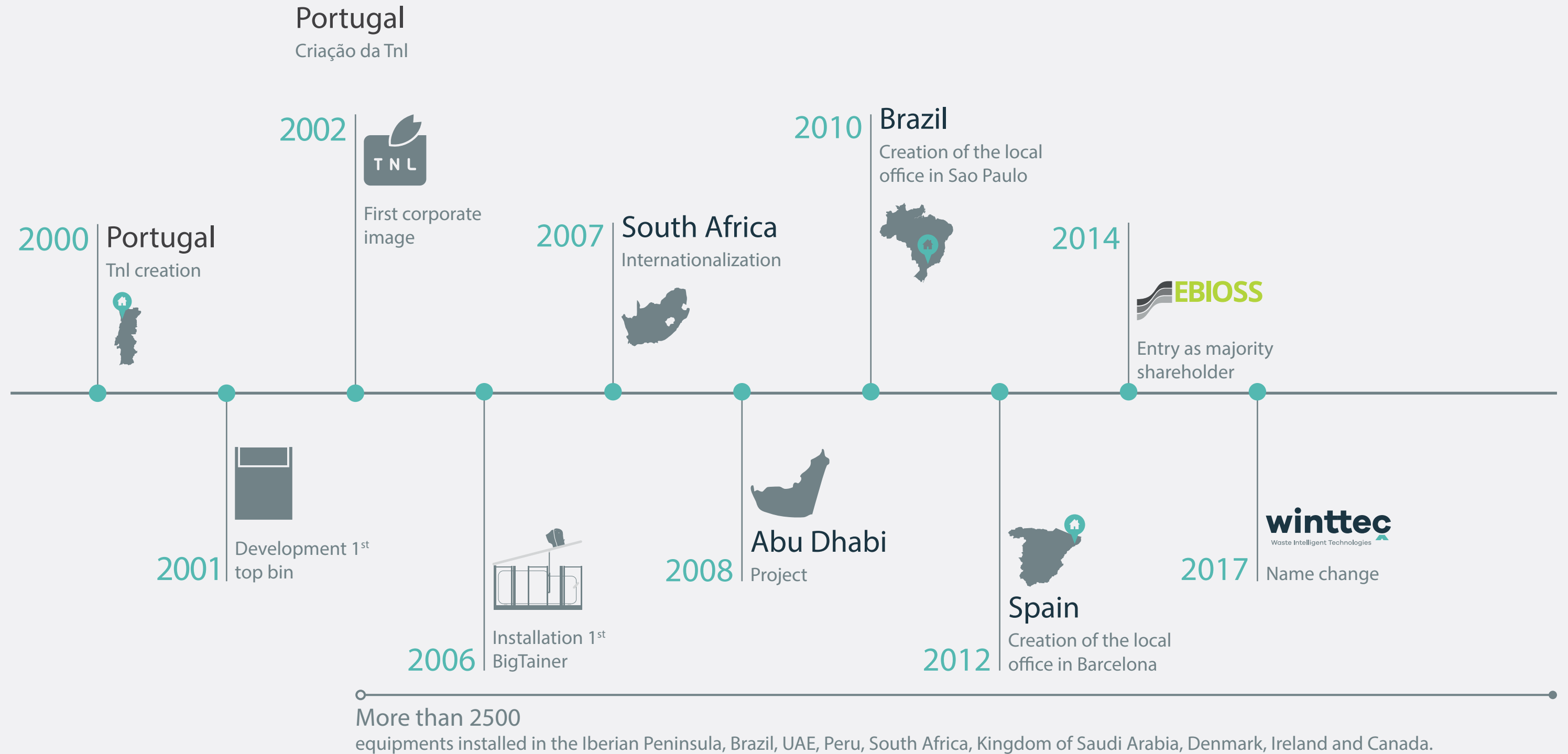
The R&D department is a fundamental pillar of the commercial structure of the company and responsible for the design, implementation and execution of all the solutions proposed by Winttec.

We are focused on maintaining a technological lead in the market with high quality products for total customer satisfaction. That's why we invest continuously to develop modern integrated solutions.

instaled bins/containers  
**5.000**



# 01. Time line



## 02. Current product range

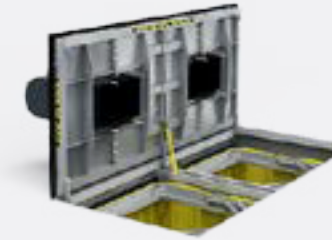
### bigtainer®

Bigtainer is the system that has the largest capacity and is more advanced technologically. The compactor is used for temporary storage of waste and rises to the level of the street for collection.



### citytainer®

Citytainer consists of a single metal platform, collected by crane, which can accommodate from 1- 4 containers (this is the ideal setting for recycling), from 3000 to 5000 L.



### citytainer®ssl

Citytainer SSL is a high-tech system for waste disposal, with large security measures implemented, is collected by crane and able to hold one to two containers of 3000 or 5000L.



Communication management system

### ecotainer®

Ecotainer can store up to 4 underground containers (800 / 1000 / 1100 L) and bring them to the surface for back collection.



### sidetainer®

Sidetainer can accommodate 1 or 2 containers (3200/4000 L). This system is compatible with the side load vehicle for waste collection charge.



# 03 Communication system and management / Monitoring equipment



**Monitor the filling level**  
Of the containers and filling forecasts indication (among other features)



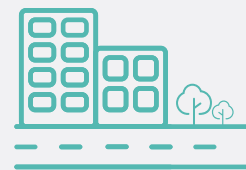
**Routes**  
Arrange the static nature, time-consuming and high costs of predefined routes



**Trucks**  
Reducing the number of vehicles



**Reduce Km**  
Tour vehicles (diesel and maintenance)



**Reduce environmental impacts**  
As pollution and reduction of noise nuisance imposed on the residents, especially at night



**Cost reduction**  
Reducing the overall cost of collection



# Function of SICU

## MANAGEMENT AND COLLECTION HOLDERS

- Municipalities, Regional Districts, Governments etc.
- Private Companies in Waste Management



## FINAL CLIENTS

- Citizens, communities, etc
- Industries, Small & MidCap companies y commerces
- Wholesale Producers

## RESPONSABLES OF THE MANAGEMENT

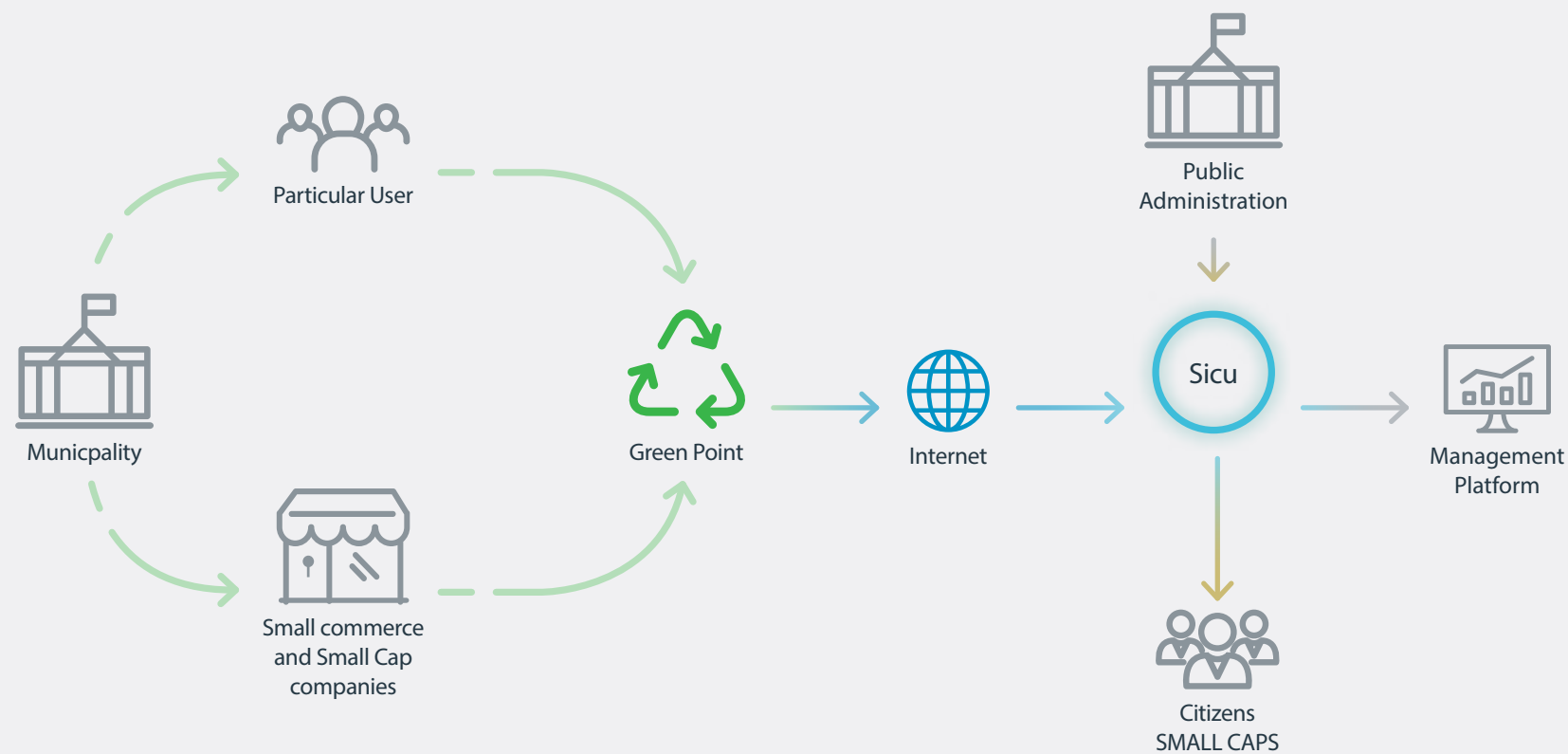
- Public companies
- Concessionary companies
- Mixed companies
- SIGs



# Our Technological Solutions

## PGD - Green Management Point

Identification of users, implementation of reward and control regulations, as well as service fees, internal and external management, two-way communication with the administration - users, application RD 110 Raae, management of pruning bags, Systems of reuse, etc ...





# Our Technological Solutions



Coded opening  
All kind of Containers:  
Side load, rear load, Easy, igloo,  
etc ....



Citybox with coded opening



Coded opening in underground  
containers



Coded access in platform  
containers and trailers

# Our Technological Solutions



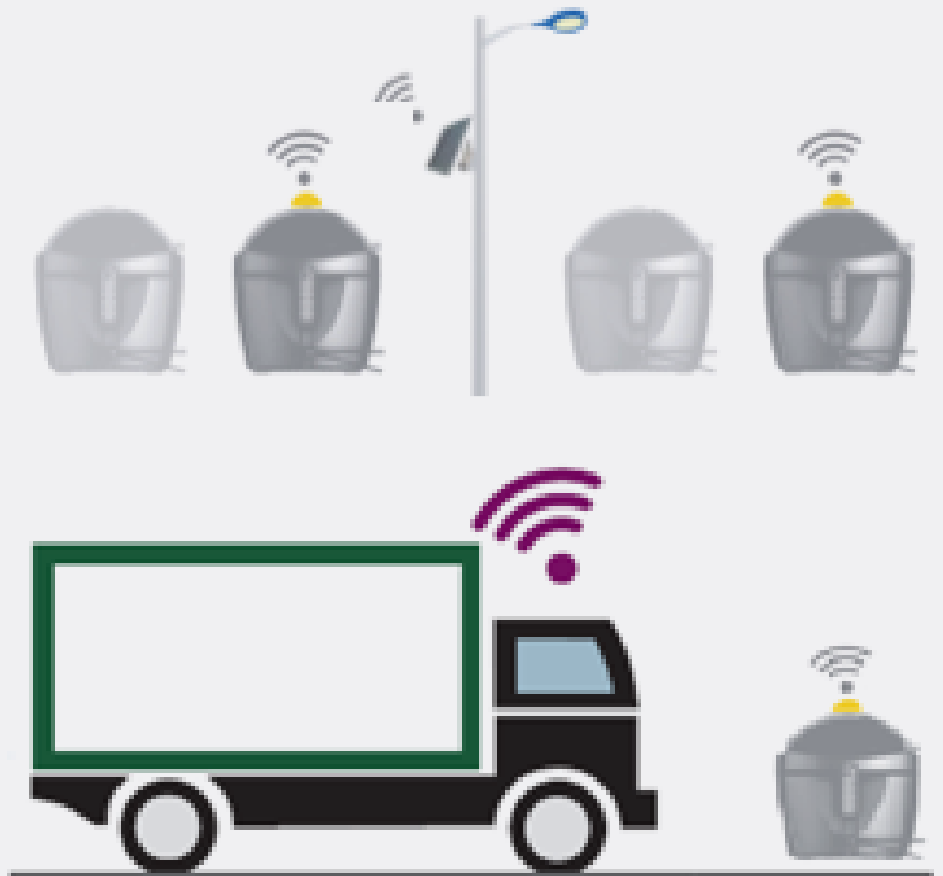
## VOLUMETRIC CONTROL

### Underground or surfaced

This key element allows us to know data such as temperature, movements, alarms and the filling state readings all sent in real time

Our added value is our sensors which have the capability to check their status at the time of collection from the collection vehicle

This option allows to optimize the loads. The efficiency is higher when the routes are programmed under these parameters



# Our Technological Solutions

COMPACTION with PREDICTED ROUTE  
and CODED ACCESS



Bigtainer



Solartainer



Compactainer



Minitainer

# Our Technological Solutions



## PAP MANAGEMENT SYSTEM

### PAP (Door To Door)

The operator has a “hands-free” reading system that allows him to carry out his work in a comfortable way. A reading with acoustic signal, allows him to collect more than one contribution in the same operation

Possibility of allocating incidences on each point of reading in a simple way thanks to the hand terminal.



# Our Technological Solutions

## ACCESS POINT CONTROL

Emergency islands, buildings, clean points, ecopoints, etc ....



# Our Technological Solutions



Unitainer



Ecotainer



Ecotainer



# Management

## UNIQUE MAIN FEATURES

## SOFTWARE

## CLIENTS

## BUSSINESS MODEL



Volumetric control

- Universal (any containers)
- Battery duration
- 2 beams reading
- Real time reading communication by collection truck

Sicu

- Private collection companies
- Public collection companies
- Public contract managers

- Equipment rental
- Equipment sale
- Monthly management fee



PGD

Local / move portal  
Prepare for peripheral devicdes like printer code bar reader, etc...

Sicu

- Transfer station
- Greens points
- Supermarket
- Other commercial areas

- Equipment sale
- Monthly management fee



Access point control

- Access control
- Universal access control
- Communication module real time

Sicu

- Municipalities
- Private collection companies
- Public buildings like hospitals, schools
- Supermarket and private condominiums

- Equipment rental
- Equipment sale
- Monthly management fee



PAP

- Hands-free" reading system

Sicu

- Municipalities

- Equipment rental
- Equipment sale
- Monthly management fee

# Equipments

## UNIQUE MAIN FEATURES

## SOFTWARE

## CLIENTS

## BUSSINESS MODEL



Bigtainer

- Communication
- Access control
- Hight capacity

Sicu

- Equipment rental
- Equipment sale



Ecotainer

- Access control
- High resistance
- 1100L container

Sicu

- Private collection companies
- Public collection companies
- Municipalities
- Public buildings
- Supermarket
- Hospitals
- Private condominiums

- Equipment rental
- Equipment sale



Sidetainer

- Access control
- High resistance
- 3200L container

Sicu

- Equipment rental
- Equipment sale



Solartainer

- Communication
- Access control
- Hight capacity

Sicu

- Equipment rental
- Equipment sale



Unitainer

- Communication
- Security platform
- Low cost

Sicu

- Equipment rental
- Equipment sale



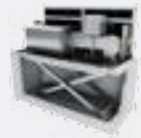
# Equipments

## UNIQUE MAIN FEATURES

## SOFTWARE

## CLIENTS

## BUSSINESS MODEL



Minitainer

Sicu

- Equipment rental
- Equipment sale



Compactainer

- Hight capacity

Sicu

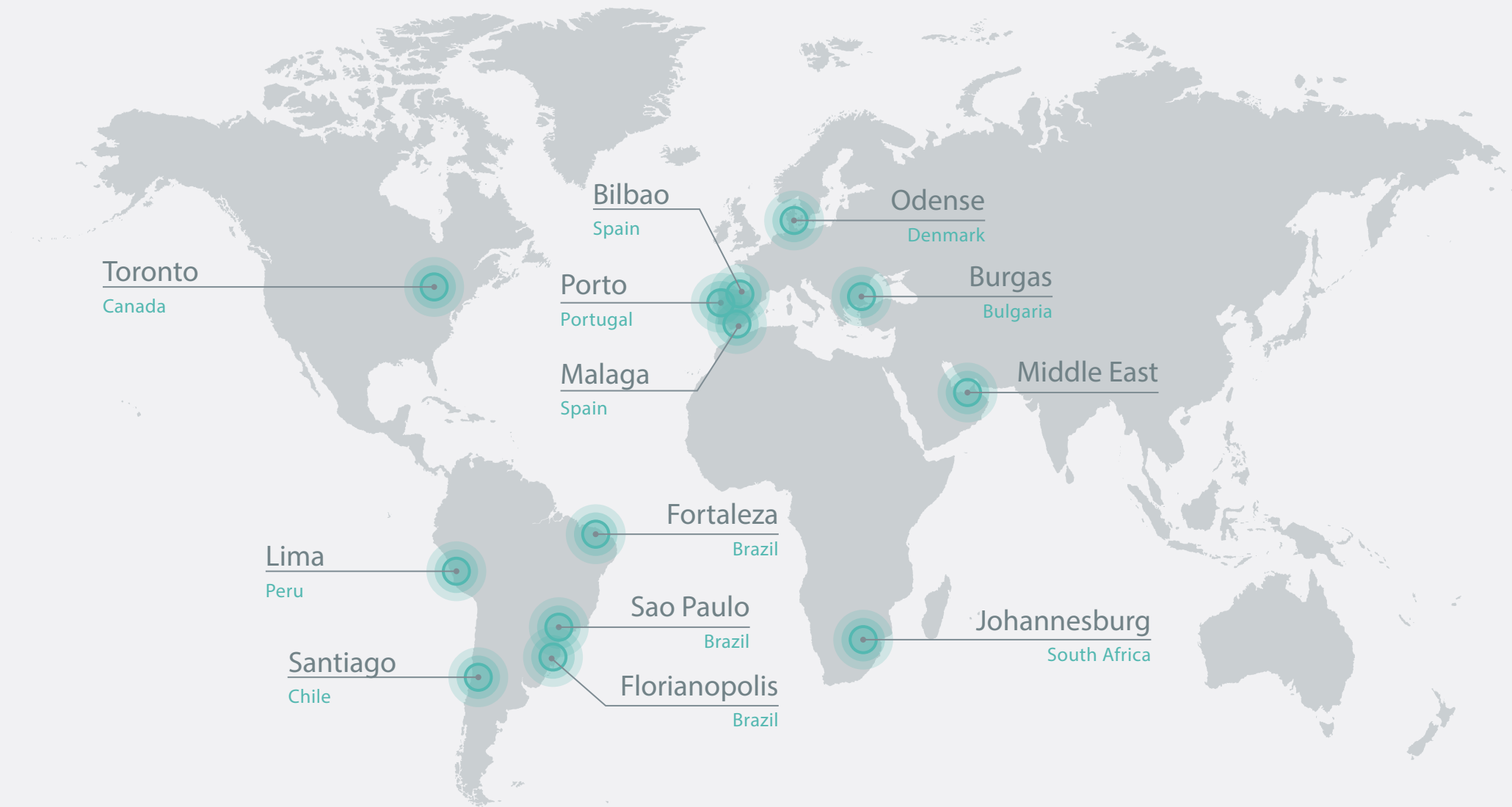
- Private collection companies
- Public collection companies
- Municipalities
- Public buildings
- Supermarket
- Hospitals
- Private condominiums

- Equipment rental
- Equipment sale

# 04. Projects implemented by Winttec Group

cities and villages worldwide

# 150



- Dublin, Ireland
- Johannesburg, South Africa
- La Coruna, Spain
- Vigo, Spain
- Loulé, Portugal
- Tavira, Portugal
- Porto, Portugal
- Malaga, Spain
- Florianopolis, Brazil
- Fortaleza, Brazil
- Middle East
- Sao Paulo, Brazil
- Lima, Peru
- Odense, Denmark
- Toronto, Canada



Bilbao  
Spain



Fortaleza  
Brazil



Lima  
Peru



Odense  
Denmark



Porto  
Portugal



Sao Paulo  
Brazil

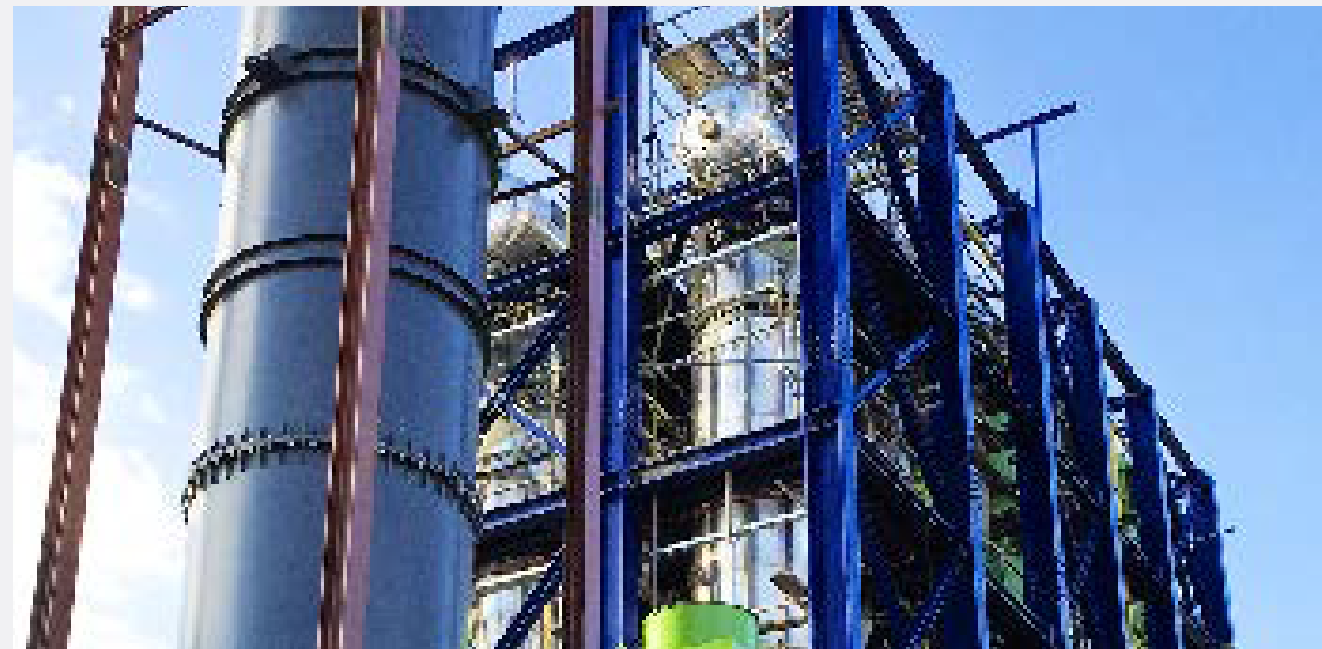


**EQTEC**

EQTEC

## – 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.

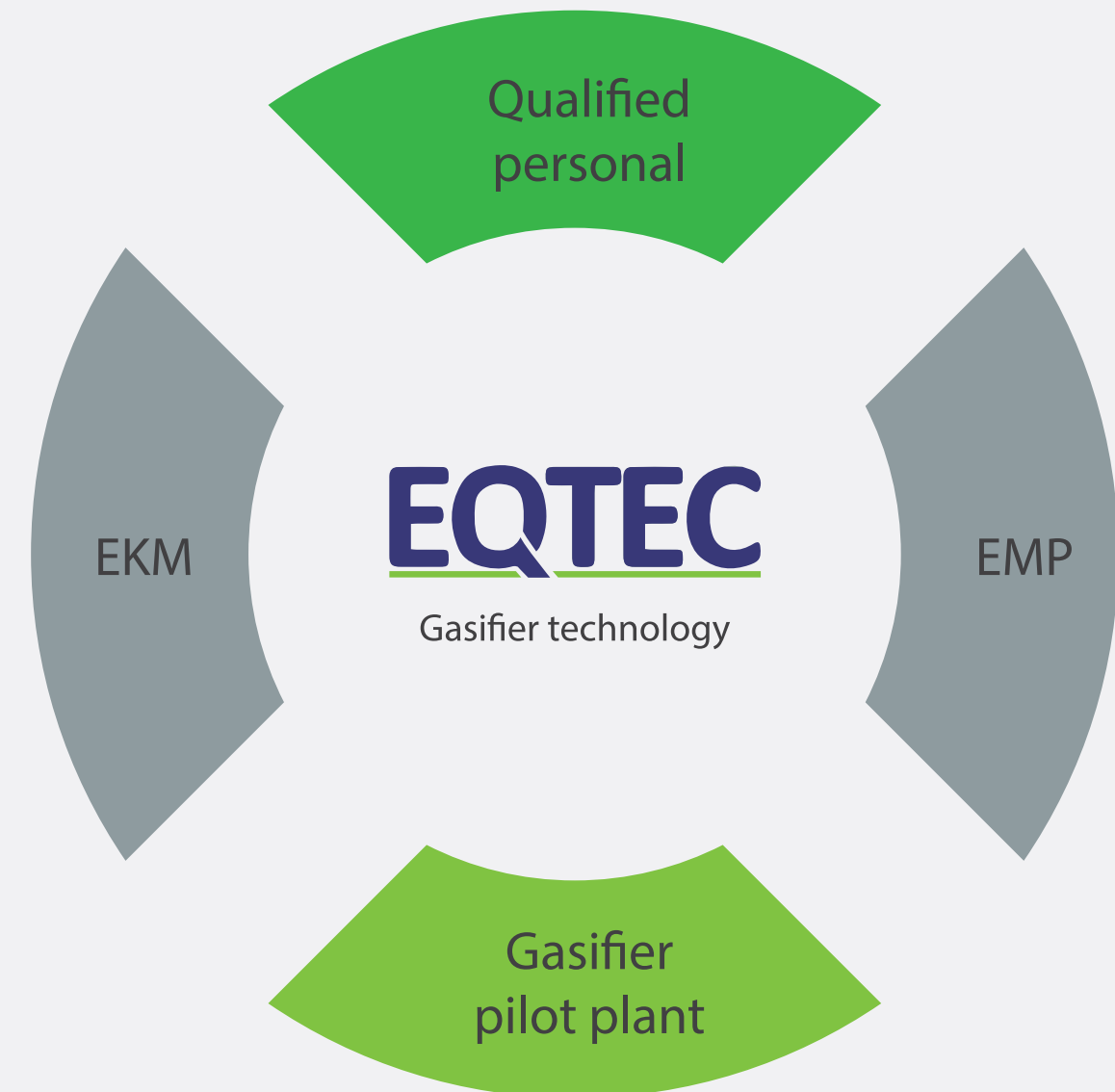
The company has designed or built over 70 power plants, with capacities ranging from 60 kWe to 40,000 kWe.

EQTEC

## – 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



EQTEC

## – 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.

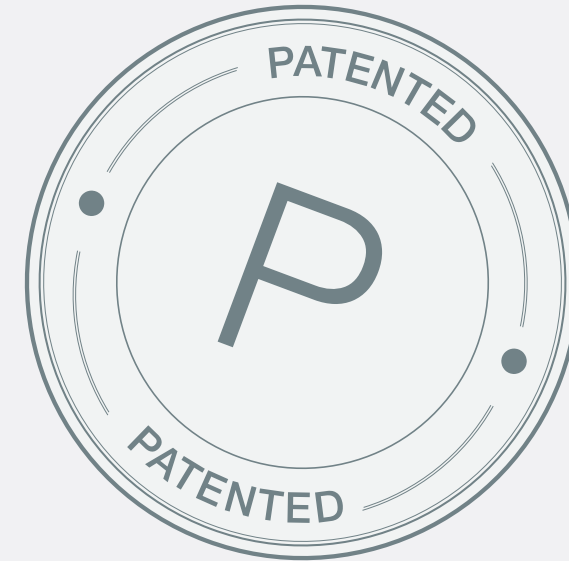


Images of the monitoring system a waste gasification plant industrial agriculture, with indication of the main operating variables.

EQTEC

## – 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”.

03.

“Process and cogeneration plant through the gasification of organic solid materials”.



# – Engineering & EPC Services / EQTEC Gasifier Technology EGT

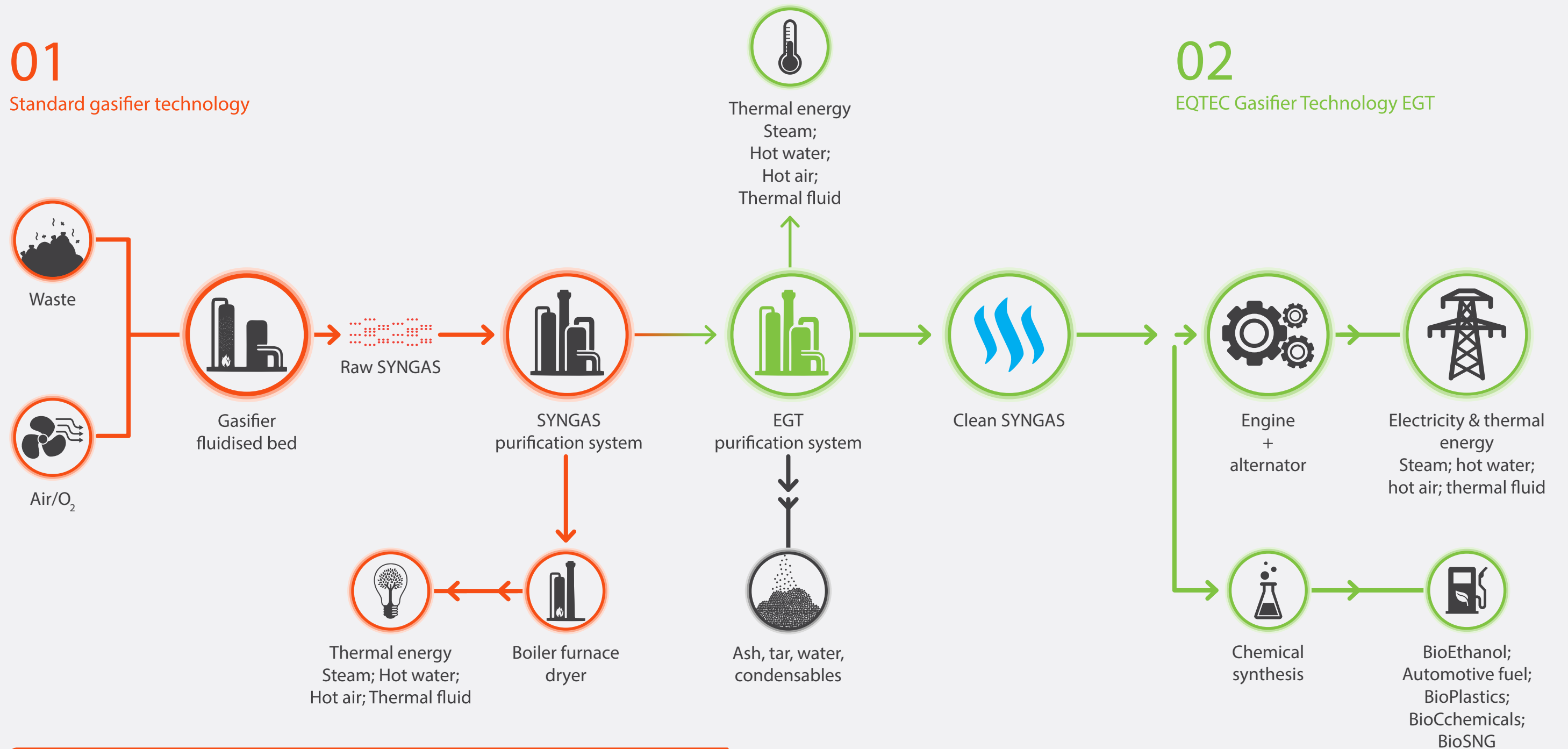
## Applications of Syngas

### 01

Standard gasifier technology

### 02

EQTEC Gasifier Technology EGT



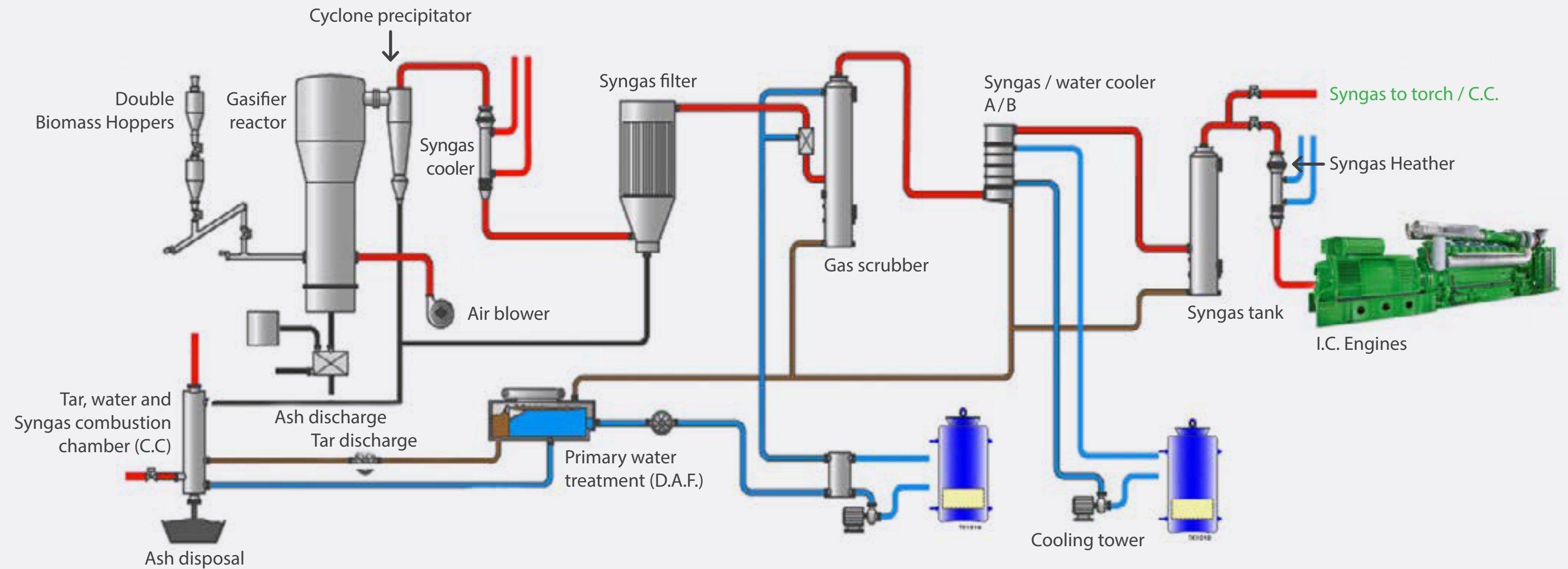
Standargasifiertechnology

EQTEC Gasifier Technology process



EQTEC

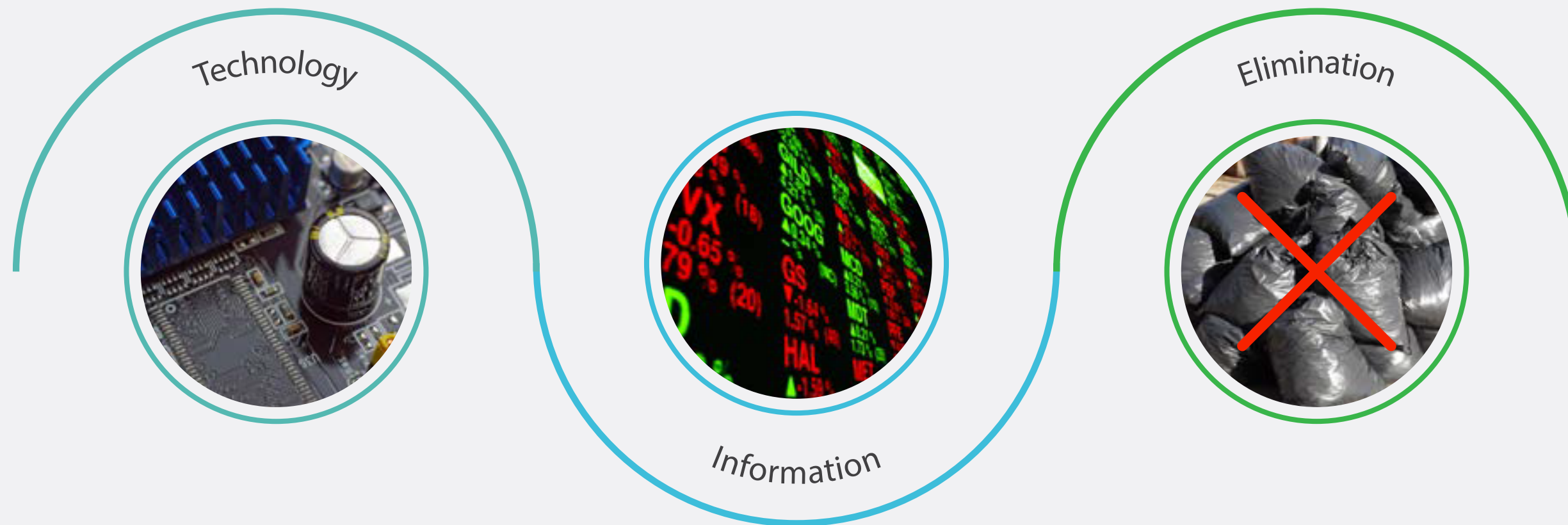
# – Engineering & EPC Services / EQTEC Gasifier Technology EGT Process for electricity generation



An aerial night view of a city skyline, likely New York City, featuring prominent skyscrapers like the Empire State Building and the Chrysler Building. The city is illuminated with warm lights, and long, bright light trails from traffic are visible on the roads below. The sky is a soft, hazy orange and pink, suggesting dusk or dawn.

Waste is no longer a problem, is a business

– Our vision / Business model



# – Our vision / Information

## Current Situation

- **Most expensive** party in Municipal budget
- **No collection of valuable information** and data
- No decisions taken based on valueable info



## Waste Macro Data

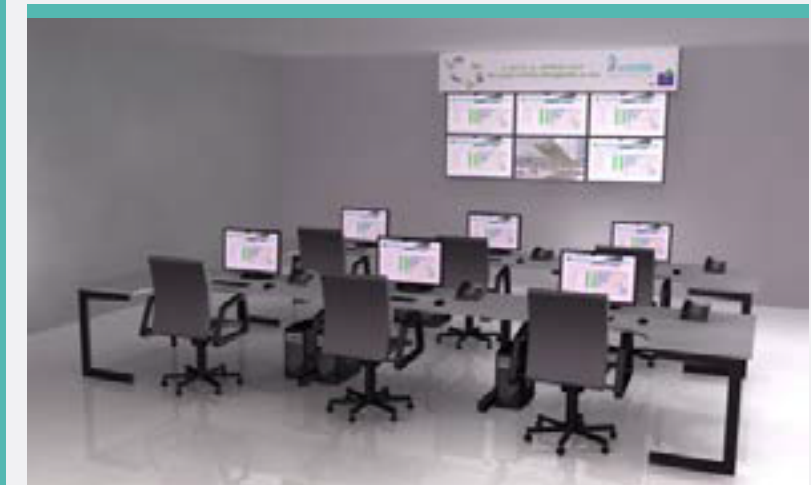
- City Waste to **increase 72%** by 2025
- Urban population to increase from **3 billion to 7.6 billion**
- Waste generation to increase from **3.5 m tones/day up to 6.1m tones/day**
- **Current Landfills full in Europe. Expenses increasing**



## Global infrastructure controlled online and real time

- **Quantity** of waste produced
- **Where** it is produced
- By **who** it is produced
- Where to **allocate the containers**
- Where the containers are full and ready to pick up

## Reduce costs by 30%





## – Our vision / Elimination

In addition to reducing costs by collecting efficiently the waste, we **destroy** it in a **clean way**

- Life extension for landfills
- Reduce CO2 emissions (close to 0)
- Tipping fee income
- 85 - 92% elimination of RDF volumes



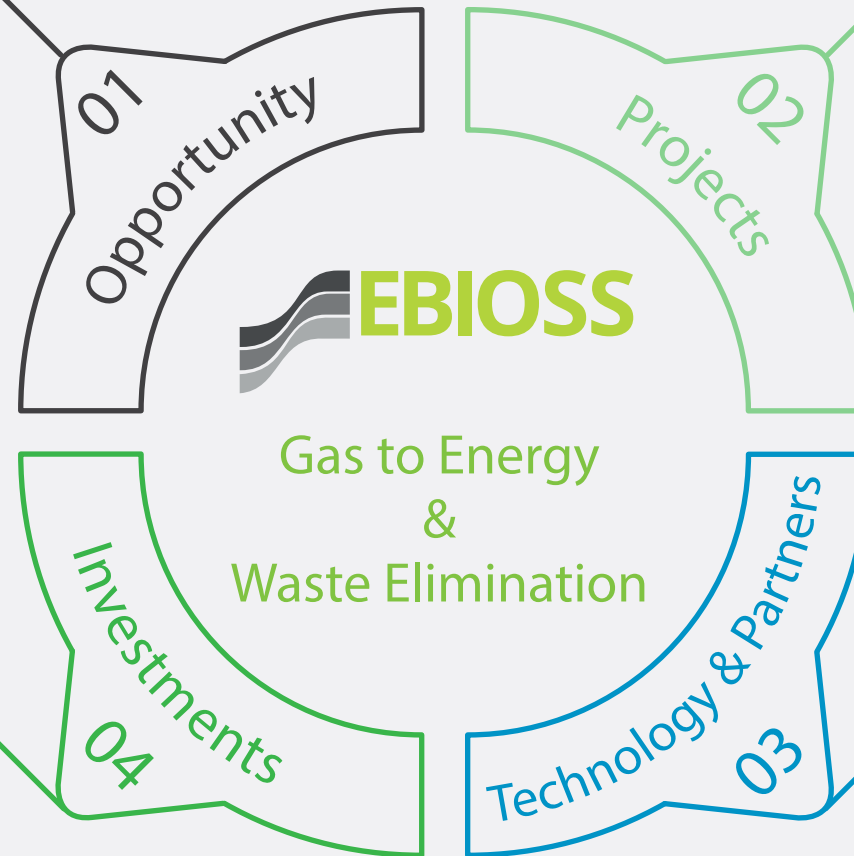
On top of this, **Ebioss** is capable to **produce energy from the waste**

- No supply risk
- No reliance on subsidies, feed in tariffs, CFDs...
- Energy sales: heat, electricity, gas

# – 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



## 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

## 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

## Technology & Partners

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

# Strategic Partners

A scenic view of a rocky coastline. The foreground shows dark, jagged rocks. In the middle ground, a blue body of water stretches across the frame, with white foam from waves crashing against the shore. The background features a range of dark, forested mountains under a bright blue sky with scattered white clouds. The overall atmosphere is serene and natural.

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) 

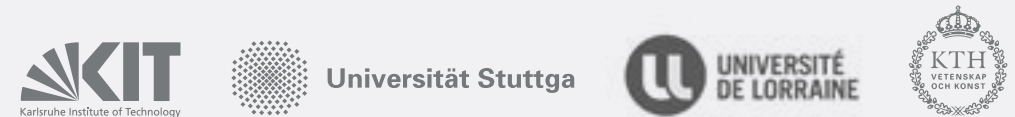
- +160.000 employees
- 1<sup>st</sup> world supplier of energy efficient services, 230 DHC sites in the world

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



## 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



## – Executive Summary

01

Waste is biggest problem of Municipalities worldwide.

02

Two top-notch technologies in waste advanced management and gasification

03

Generating energy by eliminating the waste.

04

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

05

Worldwide recognition by major global energy groups such as Energy China, Electricité de France, Gaz de France, General Electric...

06

Strong barriers to enter in the waste 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



## Contact

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