

WIE *Working Ideas for Environment*



THE ENTREPRENEURIAL INITIATIVE
ZIP PROJECT
ZERO IMPACT PLATFORM

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ing. Lorenzo Lastella – l.lastella@aliceposta.it



The environmental tutelage key

The environment, its tutelage and the rational use of the worlds natural resources represent the true challenges for the new century, in fact every pollution form has effects all over the planet without borders and peripheries.

To concretize the daily political declarations to save the environment in action, the key is to intervene with market instruments.

In the global market, the Countries which allow the environmental degradation, cause the confinement of their areas and of their entrepreneurial system.

The environmental quality choice promotes the birth and the improvement of an entrepreneurial and productive system, which is suitable for the innovations and which is able to face the global market challenges.

The binomial environment-compatible growth represents, all over the word, more promising and advanced economical initiative.



The intervention sectors

The water and the waste cycle managements represent the major environmental emergences of the world, strictly connected to the the sustainable use of the natural sources.

Waste cycle management:

The new intervention philosophy takes advantage of the re-use and the valorization of the waste as raw materials, and the final disposal must be made by environment protective technologies.

Over the years, high environmental impact technologies like landfills and incinerators have been used, by polluting huge areas which now have to be reclaimed.

Water cycle management:

The water is the indispensable resource the life and the new technologies help to safeguard it by reusing the waste water and by producing low cost fresh water from the sea and the water bed.

ZIP – Zero Impact Platform - means population and environmental protective technologies for global and integrated solutions -economically convenient- for water and waste cycle management.

The ZIP Project



The ZIP Project is put into use by using synergetic technological configurations, to answer with efficiency and effectiveness to the necessities which are noticed from both single localizations and from whole areas.

The interventions are based on a vast offering of services, technologies and products, which imply the highest respect for the environment and the highest safety for the operators and the surrounding population.

The ZIP Managers over the years, have selected, verified and improved, all over the world, technological and service solutions according to the ZIP Project requirements.

The ZIP proposes and realizes integrated solutions with new and consolidate technologies to represent the best solutions for the verified needs.

ZIP OFFERS SOLUTIONS NOT PRODUCTS



The Technological innovation

The technological innovations for new high energy efficiency and eco-compatible products, represent the new economic possibilities as well as new businesses with new markets, for a new world which will be consistent with the territory and the natural resources and at the same time respects each local culture and its people.

In a short time most products, which are used currently, will be replaced with new products: the technological innovation represents the new frontier for the companies, with new markets, new businesses, above all for high energetic efficiency products and devices, for renewable resource utilization, for material recycling and reusing and for the environmental-compatible technologies.

The lands of new industrialization, such as the Arabian Peninsula and Eastern European countries, can assume the role of the international economical growth engine, in which it is possible to make a “leap” directly to the new environmental-compatible technology without going through the old economy system implementations.



The ZIP intervention sectors

The materials can be treated with different connected technologies and different entries into the platform, and the choice depends on the quality of the materials.

- **ZIP for material and energy recover from municipal and hospital solid waste;**
- **ZIP for material and energy recover from hazardous waste;**
- **ZIP for biomasse to energy;**
- **ZIP for bio-fuels production from biomasse and waste;**
- **ZIP for sludge valorization such as building materials;**
- **ZIP for cleaning and reusing municipal and industrial waste water;**
- **ZIP for cleaning hazardous waste water;**
- **ZIP for oil-water separation;**
- **ZIP for high quality fresh water production from sea water or bed water;**
- **ZIP for improvement of the water quality from the old waste water cleaning plant.**

ZIP TREATS AT THE SAME TIME EVERY MATERIAL OF ANY STATUS WHATEVER THE ORIGINS.



Chosen technologies

- **Electrofusion – Electrodissociation system to recover materials and energy from waste, even hazardous waste;**
- **Chemical and physical system to produce bio-fuels from biomasse and waste;**
- **Pyrolysis systems to produce energy from waste with different water contents;**
- **Low impact energy production system;**
- **Cold molecular transformation system to produce building materials from waste and sludge;**
- **Systems to differentiate the municipal waste into the platform and to reduce the volume before feeding in the valorization plants;**
- **Waste water cleaning plant with “high turbulence”;**
- **Waste water cleaning plant with “electrons strafing”;**
- **Sea water and water bed desalting with “high turbulence” devices;**
- **Waste water cleaning system with voltaic arc to produce useful gas;**
- **Oil water separator without solvents and moving devices.**



The proposal

- **The proposal is to establish a new company, named WIE-Working Ideas for Environment, by joining the experience of managers and companies, which have worked in the waste and the water cycle management sectors for at least 25 years, with companies which want to enter or to enhance their presence in the global market of environmental interventions.**
- **The ZIP methodology synthesizes all the experiences made until now, to represents suitable and economical solutions for every environmental problem.**
- **The ZIP are continuously updating technological news through a network with linkages all over the world.**

THE PROPOSAL IS TO WORK IN THE MOST ADVANCED ECONOMICAL SECTOR: THE COMPATIBLE GROWTH.



The actions

- **Feasibility Study**
- **Engineering**
- **Technological and economical design**
- **Environmental impact evaluation**
- **The ZIP realization “turn key”**
- **Commissioning, assistance and training**
- **Participation in the ZIP running companies**
- **Participation in the technological companies**
- **Research for international grants and funding**

**THE ZIP TEAM SOLVES “TURN KEY”
THE ENVIRONMENT PROBLEMS**



The structure

The ZIP TEAM actions are synthesized below:

- to propose the services to private customers and to public authorities with a right marketing strategy in every area;**
- to prepare the interventions proposal;**
- to design the interventions according to the local laws and regulations;**
- to design economical-financial solutions;**
- to realize the interventions “turn key” by managing direct and indirect workers and building companies;**
- to keep the contact with the tech network;**
- to valuate and to manage the participation in companies;**

The Company will be directed by the managers which are proposing the project, and the shareholders will check and will control the managers and will schedule the business activities.

The start-up



- **The company is established by the joining of:**
 - **Suitable financial, logistic and human resources;**
 - **ZIP experiences.**

- **The WIE company will be established in Arabian Peninsula**

- **Headquarter:**
 - **Arabian Peninsula**

- **European Branch:**
 - **Venice – Italy**

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- **Private customer in the south of Italy**
- **Waste:**
 - **animal flour: 50 tons per day**
 - **hazardous waste (solvents, etc): 12 tons per day**
 - **animal fat. 30 tons per day**

- **Energy production: 8,5 Mwe**
- **Material production: vitrified pebbles for constructions.**

- **Technologies:**
 - **pyrolysis**
 - **electrofusion-electrodissociation**
 - **bio-fuel production (esterification)**
 - **waste water cleaning plant (vacuum drier)**

- **Environmental impact: only the exhaust from gas and diesel motor engines to produce power.**

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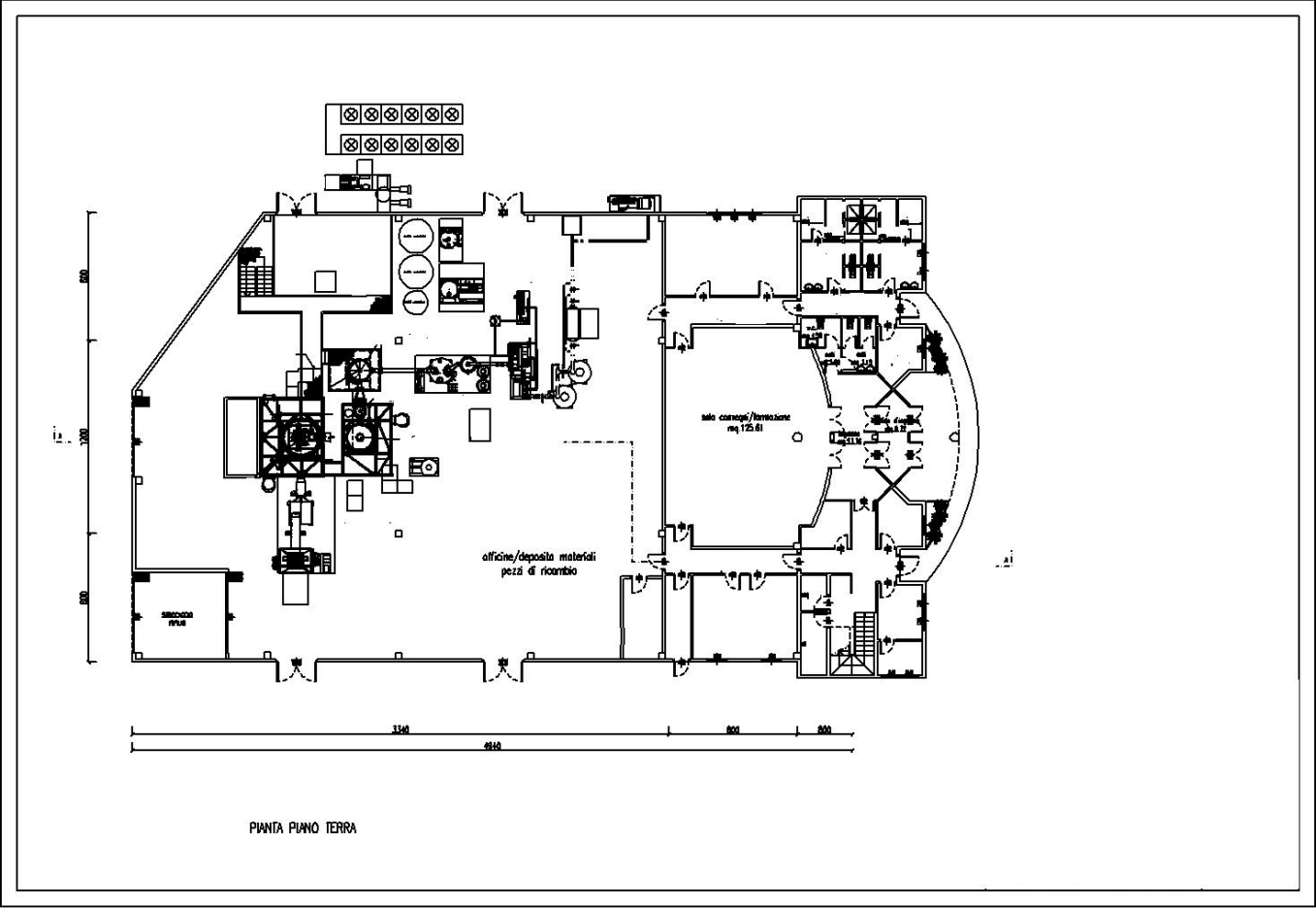
- **Private customer in the centre of Italy**
- **Waste:**
 - **hazardous waste (chemical): 4 tons per day**

- **Net energy production: 150 KWe**
- **Material production: glass fibre**

- **Technologies:**
 - **electrofusion-electrodissociation**
 - **waste water cleaning plant (vacuum drier)**

- **Environmental impact: only the exhaust from gas and diesel motor engine to produce power.**

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Team management



ing. Lorenzo Lastella
l.lastella@aliceposta.it



Andrea Rampado
andrea.rampado@email.it