



INER SOLID WASTE PROGRAM . "ZERO OF WASTE AND SOCIAL, 10" PROJECT

ENGAGEMENTS: SUSTAINABILITY, CITIZENSHIP, AND ENVIRONMENT

"Ecologically correct, socially integrated and economically viable"



SUMMARY

For years, governments of all countries in the world have been seeking, in a continuous way, self-sustainable solutions to minimize environmental impacts; however, they forget that the solution to any kind of problem should always be linked to private initiative and the financial return on investment.

Waste, as a whole, is and always has been one of the most profitable businesses on the planet, and one that will never be extinguished, because every day we produce more and more waste, and this diversified chain of waste can be reused.

OBJECTIVE: To allow the private initiative, as a whole, in an entrepreneurial way, to bring to itself a responsibility that the government leaders are not being able to solve alone, and the reason, to us, is clear, because, in our view, the time of the executive mandate does not allow them to make plans of such magnitude.

The INNER Solid Waste System allows any citizen, as well as any individual or company, regardless of purchasing power, to enter this safe and profitable market.

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THE CREATOR

The INER program was created by CESB - Confederação do Elo Social Brasil, a non-profit social institution, enrolled in the CNPJ under No. 08.573.345/0001-46, with its headquarters and international representation located at Rua Cecília Bonilha, 145 - São Paulo - Capital, CEP 02919-000, phone: 55 11 3991-9919, with the website www.elosocial.org.br as its Internet portal.



It emerged from the necessity of doing a social work totally unattached from the governmental system, which differs from the others by truly assuming the acronym given to it, that is, "OÑG", but with a great differential, since we call ourselves an OÑG with a "tilde" on top of the "N", just to remind all NGOs that they are NON-governmental and, as such, need to be self-sustainable.

With this objective, all the projects of CESB - Confederação do Elo Social do Brasil - strive to give their share of contribution to the government, and not the other way around.

With the creation of the project "Zero Garbage, Social 10" we were able to contemplate, at once, the State and the citizens with practical and objective solutions for society as a whole, which is done at no cost to the public treasury, and what is best, with good profitability for entrepreneurs and investors.

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TECHNOLOGY

PyROLYSIS: Created more than a century ago and used in the solid waste market, this technology is characterized by the degradation of waste at high temperatures without the presence of oxygen, and may give rise to some byproducts, and from one ton it is possible to extract about 11 kilos of ammonium sulfate, 12 liters of tar, 9.5 liters of oil, carbon/biochar/biocarbon, among others.



GASIFICATION/PLASMA: From the evolution of Pyrolysis came Gasification, a technology used to describe the thermochemical reactions of a solid fuel (coal, biomass) in the presence of air or oxygen (O_2) in quantities lower than the stoichiometric (theoretical minimum for combustion) and water vapor (H_2O_{vap}), with the purpose of forming synthesis gas. After the gasification, the Plasma technology was presented in this market, which, in short, is the elevation of the reactor's temperature, thus increasing its power of electrical conductivity. (www.grupoiner.com.br/geracao-de-energia).



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THE INER/USINAS PROGRAM FORMATION

Transfer and Transborough Center

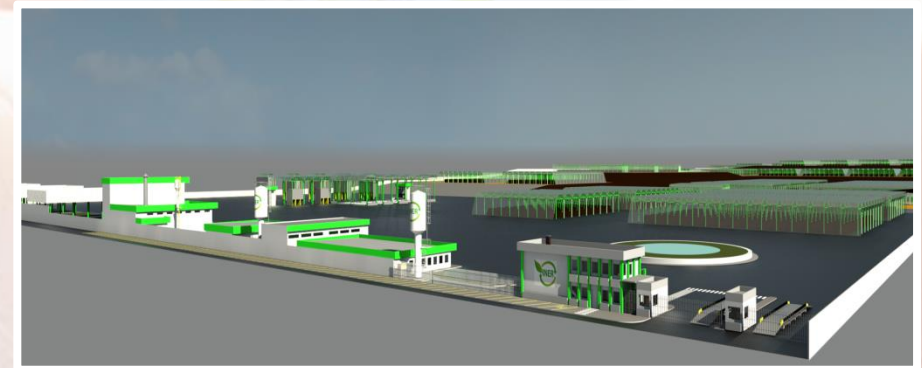
Designed to process 100 or 200 tons of solid waste per day and select the recyclables in advance. This plant can operate 24 hours a day and generate from 2.5MW/h to 6MW/h of electric power and other commodities, such as fuel, biochar, etc.



Area of 10.000m²

Iner Complex

The complexes have the capacity to operate on a large scale (from 1,200 tons per day), processing all classes of waste, and operate interconnected to the cooperatives of the INER System.
(www.grupoiner.com.br/passeio-virtual)



Area of 100.000m²

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THE ABANDONED OLD VEHICLES

From the Creation of the Dismantling Project: The INER System of Solid Waste could not turn its eyes to one of the biggest problems of criminality and disregard for the environment, and this problem is linked to what we understand to be a great omission of the new law of solid waste, because this law did not contemplate the automakers in its scope, making it seem that vehicles are liquids and not solids (www.desmanchecar.org.br).



THE SOLUTION PRESENTED: As we are an institution that presents solutions and not only and exclusively points out problems, we have submitted to the CLP - Participative Legislation Commission - of the House of Representatives a suggestion to change Law 12.305/2010 to include car manufacturers in the responsibility for the reverse logistics of vehicles with more than 20 (twenty) years of use.

www.camara.leg.br/proposicoesWeb/fichadetramitacao?idProposicao=2165576&fbclid=IwAR2wzQo2-ePcsU71ibFICG4sQC_-LdT7_PTnKnqEhHNpSIEKSrdkX4KW8mg

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HOSPITAL SOLID WASTE INCINERATION AND CREMATION

Incineration: Specific plant for the adequate destination of solid waste considered contaminating and dangerous, the reason why the correct destination is incineration at very high temperatures, variable according to each local legislation. The INER System differential is linked to its implantation logistics, which drastically reduces waste displacement (www.youtube.com/watch?v=NR7baMFrPmU).

Cremation: The pet market today is one of the fastest growing in the world, bringing with it an increase in the responsibility of our governments, since animals cannot be buried, according to environmental laws, so as not to contaminate the soil. The INER System, through its own logistics, has contemplated specific units to solve this problem. (<https://www.youtube.com/watch?v=qSga5BP4yyA>).



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THE RECOVERY OF LIABILITIES

Although the environmental laws, universally, do not approve the irregular disposal of solid waste through open air dumps, in practice what we see is the perpetuation of dumps and some "sanitary landfills" that end up presenting problems and damage to the environment.

It is not enough to interdict, because it is also foreseen the responsibility to recover the degraded soil, and, thinking about this, after studies of economic viability, the INER System transformed, once more, what is a problem for our governors into an excellent business opportunity for the private initiative, where the security of the investment is constituted by the area itself together with the real estate market.



Our proposal is to assume the liabilities and recover the soil through equipment and technology for energy recovery, fuel generation, and separation of recyclable materials. What is left over will be accommodated in the soil together with civil construction residues, making the soil decontaminated and released for the real estate market for the purpose of popular subdivisions (www.novascapitais.com.br).

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SOCIAL COMMITMENT

Of the Social Buildings: Given the social commitment of the INER System, a social building with capacity to serve populations of 200,000 (two hundred thousand) inhabitants through 7 (seven) professionals was included in the acquisition value of each of the plants, which are: Social Worker, Psychologist, Lawyer, Bachelor in Law (social delegate), Professionals for the area of Health, Education, Administration among others. Learn more about it by accessing the portal www.elosocial.org.br. We are distributed nationally in regional, sectional and state offices. Visit the virtual 3D tour (www.elosocial.org.br/passeio-3d).



COOPERINERs: The INER System (www.coopeiner.org.br) sees no other solution to minimize the problem experienced today by the so-called "recyclable collectors" than to professionalize them, evolving them into "wealth selectors", duly registered in their CTPS in our primary plants, or even transform them into Decorators, Carpet Makers and Furniture Restorers through professionalizing courses given by SINDETAP (www.sindetap.org.br) and citizenship courses given by Elo Social (www.socialdocidadao.org.br/direcao)



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IMPLEMENTATION

The implementation of the INER program is being carried out by the company INER, Installation, Maintenance and Management of Solid Waste Plants Ltda, CNPJ 57.005.365/0001-26 (www.grupoiner.com.br), to be built by the INER Consortium (www.grupoiner.com.br/integrantes) formed by a coalition of suppliers and manufacturers of the equipment to be used in the construction, assembly and operation of the plants.

Our differential, in relation to everything that the international market has been offering until now (and that did not work), has to do with our form of implementation, since, until now, everyone wants to first change the culture of the population to have a solution, and we, unlike the models they presented, have set up a system through which we are prepared to first bring the solution and then change the culture of the population. The INER System is prepared to receive the "garbage" in the raw form that it arrives, and not only the domestic garbage, but also the industrial, contaminating and dangerous ones. INER Institute / Green Seal: <https://www.institutoiner.org.br/>
<https://www.conscienciaverde.org.br>

Legal Security: <https://www.institutoiner.org.br/notificacao-de-autoridades>



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OF SECURITY, PROFITABILITY AND LIQUIDITY

Security: The security of the investment in the INER System is linked to the guarantee that the solid residues will never cease to exist, on the contrary, the tendency is that they will continue to increase, not only in quantity but also in quality. We must also take into account that the reigning system is outdated and saturated, besides not complying with the legislation.



Profitability: The profitability of investment in the INER System is more than guaranteed, since at no time is any type of product purchased, on the contrary, whoever delivers our raw material still pays us to receive it and dispose of it in the correct manner. The return on investment can be seen through our economic feasibility plans (www.grupoiner.com.br/viabilidade-economica).



Liquidity: The speed of return on investment in the INER System is guaranteed in the fixed and monthly receipts for the delivery of raw material, both by public agencies and by the private sector, and by the form of operation and production on a high scale, taking into account that the volume and quality of the waste have a tendency to natural growth and the operational cost has a tendency to stability.



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CLOSED-CAPITAL S/A COMPANIES

The INER System has opted for the model of closed-capital S/A companies, which does not prevent publicly traded S/A companies or even limited liability companies from joining its ranks of shareholders.

(www.grupoiner.com.br/iner-s-a-estaduais)

There are great advantages in being a closed corporation, since it has more freedom in relation to transparency for the market, also allowing shareholders not to disclose numbers to the market, as an example, and also to be able to value their own shares, since in a publicly traded company these values are imposed by the market. (www.grupoiner.com.br/acionistas)



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EXPECTED RESULTS

- To decrease the social inequality indexes and improve the quality of life of the population;
- To noticeably decrease the health problems caused by the bad management of the existing garbage, improving the quality of the air, land and water;
- Put an end to the slave labor of waste pickers, provide professional and improvement courses and place them in the job market;
- Solve the problem of (garbage) in a correct way, put an end to garbage dumps and landfills and build housing developments in areas previously occupied by them (www.novascapitais.com.br)
- Contribute in the fight against unemployment, attract foreign investors, leverage the GDP, provide more profitability to the municipality;
- Provide the entrepreneur and investor the guarantee of high scale production and financial results corresponding to their investments in the short term.



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MARKET SECURITY

Public Market and Private Market:

Municipalities or private companies responsible for the cleaning and collection of municipal solid waste, hospital, electronic, furniture and animal bodies. States, through state hospital solid waste and basic sanitation and large waste-generating companies.



Customer/Consumer: Companies and industries that recycle paper/cardboard, aluminum, glass, PET packaging, plastics, steel mills specialized in recovering ferrous materials and metals, companies that buy briquettes, establishments that consume CDR, companies authorized to sell lubricating oil and fuels, companies that recycle electronic waste, the agricultural sector that consumes fertilizers, and companies responsible for selling electric power through public auctions and the free market.

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GREEN CONSCIENCE SEAL

The INER Institute, another private non-profit organization, with the mission of promoting social and environmental awareness, created the "Green Consciousness Seal" to certify companies and entrepreneurs who act with environmental responsibility (www.conscienciaverde.org.br). The "Green Conscience Seal" is issued annually after a rigorous inspection by our environmental certification department, composed of members of the OMS - Order of Merit of the Social Link (www.elosocial.org.br/comenda).



In today's world, the preservation of the environment and the conscious use of our natural resources have gained prominence in international bodies, since, it seems, humanity has realized that if we do not know how to take care of the planet, it will not resist for a long time to the unrestrained action of the human being, especially the interference and irresponsibility of our governments linked to the greed of the business world.

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OUR MISSION

PROJECT



SOCIAL RESPONSIBILITY



ENVIRONMENTAL RESPONSIBILITY



ENTREPRENEURSHIP



A foolproof business model, an organizational chart (business consortium), and a schedule from implementation to the delivery of the plants ready to operate.

INVESTMENT:



Investing in the INNER Program is synonymous with promoting the environment, health, and education. It is to guarantee a return on the capital invested in the short term.

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OUR THANKS



Sindetap



Fundada Em 1974



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