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CORPORATION

FOLLETO



OBJETIVOS DE DESARROLLO  
SOSTENIBLE DE LAS NACIONES UNIDAS



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*"Soluciones WOIMA combinará eficientemente la gestión de residuos y la generación de energía para alcanzar los Objetivos de Desarrollo Sostenible de la ONU"*





## OBJETIVOS DE DESARROLLO SOSTENIBLE DE LAS NACIONES UNIDAS

Los Objetivos de Desarrollo Sostenible (ODS) de las Naciones Unidas son un llamado a la acción de todos los países, pobres, ricos y de ingresos medios, para poner fin a la pobreza, proteger el planeta y garantizar que todas las personas disfruten de la paz y la prosperidad. Reconocen que poner fin a la pobreza debe ir de la mano con estrategias que desarrollen el crecimiento económico y aborden una gama de necesidades sociales que incluyen educación, salud, protección social y oportunidades laborales, al tiempo que abordan el cambio climático y la protección del medio ambiente.

Estos 17 Objetivos de Desarrollo se basan en el éxito de los Objetivos de Desarrollo del Milenio, e incluyen nuevas áreas como el cambio climático, la desigualdad económica, la innovación, el consumo sostenible, la paz y la justicia, entre otros. Nuestras soluciones ecosistémicas de conversión de residuos en energía son una parte integral en la construcción de una sociedad sostenible, inclusiva y justa, donde todos los miembros disfruten de las mismas oportunidades y se enfrenten a las mismas responsabilidades.

La implementación y el éxito de estos objetivos dependerán de las propias políticas, planes y programas de desarrollo sostenible de los países, y serán liderados por los propios países. Los ODS serán una brújula para alinear los planes de los países con sus compromisos globales. Las estrategias de desarrollo sostenible de propiedad nacional y dirigidas por los países requerirán la movilización de recursos y estrategias de financiación. Se espera que todos los interesados: gobiernos, sociedad civil, sector privado y otros contribuyan a la realización de la nueva agenda.

WOIMA ha alineado sus soluciones, operaciones y proyectos para apoyar los ODS. Estos objetivos guían nuestro desarrollo de productos, actividades de ventas y ejecución de proyectos a lo largo de los procesos.

WOIMA se compromete a ayudar a los países en desarrollo a alcanzar los ODS. La herramienta es nuestra planta de energía modular de conversión de residuos en *residuosWOIMA*<sup>®</sup>, y el ecosistema WOIMA construido a su alrededor, eso

- Reciclar y tratar eficientemente los desechos de 100,000 - 500,000 personas
- Generar energía limpia y asequible para 50,000 - 100,000 personas
- Emplear directamente de 100 a 200 personas
- Generar cientos de puestos de trabajo hacia arriba y hacia abajo
- Ahorre 100,000 toneladas de emisiones equivalentes de CO<sub>2</sub> por año
- Estar en funcionamiento dentro de los 12 meses

# Environmental Development Goals



Access to good health and well-being is a basic human right, and that is why the Sustainable Development Agenda offers a new chance to ensure that everyone can access the highest standards of health and healthcare – not just the wealthiest.

WOIMA improves municipal and industrial waste collection rates; their sanitary treatment will create a clean and safe living environment that has a positive impact on people's lives. Reduced exposure to bacteria, vermin, pests and odours frequently found on dumpsites further enhances their quality of life.



Water scarcity, poor water quality and inadequate sanitation negatively impact food security, livelihood choices and educational opportunities for poor families across the world.

Unsanitary landfills and dumpsites are a major source of river, lake and groundwater pollution. Leachate draining through the waste collects sulphides, chlorides, heavy metals and other toxins and deposits them in the soil and water downstream. WOIMA Ecosystem reduces leachate quantity practically to zero.



Climate change is a global challenge that does not respect national borders. Emissions anywhere affect people everywhere. It is an issue that requires solutions that need to be coordinated at the international level and it requires international cooperation to help developing countries move toward a low-carbon economy.

WOIMA Ecosystem incinerates and/or digests the methane-generating biowaste into energy and/or biogas respectively. This has the potential to save millions of tons of methane emissions, which are 25 times more potent than CO<sub>2</sub>.



Oceans provide key natural resources including food, medicines, biofuels and other products. They help with the breakdown and removal of waste and pollution, and their coastal ecosystems act as buffers to reduce damage from storms. Maintaining healthy oceans supports climate change mitigation and adaptation efforts.

WOIMA supports higher waste collection, recycling and utilization rates, which prevent waste from ending up in water ecosystems. Especially the most harmful plastic materials are the best fuel for our Ecosystem.



Deforestation and desertification – caused by human activities and climate change – pose major challenges to sustainable development and affect the lives and livelihoods of millions of people in the fight against poverty.

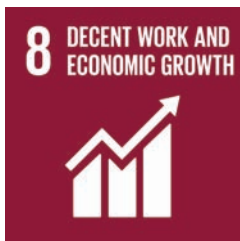
WOIMA Ecosystem replaces biomass in both power generation and kitchen use. Our *wasteWOIMA*<sup>®</sup> power plant generates similar energy commodities as do biomass plants and biogas works perfectly as cooking gas. This saves forests and plants to fight erosion and to photosynthesize carbon dioxide to oxygen.

## Societal Development Goals



Fossil fuels such as coal, oil or gas have been major sources of electricity production for decades, which causes climate change and has harmful impact on people's well-being and the environment.

Waste is a free and locally abundantly available fuel that will save both fossil fuels and foreign currency in their imports. It generates base load power providing constant and reliable energy to the grid. WOIMA waste incineration adheres to the strictest emission limits, only water vapor and CO<sub>2</sub> are emitted to the environment.



A continued lack of decent work opportunities, insufficient investments and under-consumption lead to an erosion of the basic social contract underlying democratic societies: that all must share in progress.

WOIMA Ecosystem generates hundreds of jobs on-site and both upstream and downstream. Waste collection and transportation, waste pre-sorting and recycling, on-site job and service opportunities, as well as SMEs utilizing the generated energy commodities and ash products are the first to benefit.



Inclusive and sustainable industrial development is the primary source of income generation, allows for rapid and sustained increases in living standards for all people, and provides the technological solutions to environmentally sound industrialization.

WOIMA power generation offers a platform for local industrialization. Electricity and thermal power (both heating and cooling) support the establishment of local SMEs, their job creation and wealth accumulation. Simultaneously, the environment benefits from increased waste utilization and recycling activities.

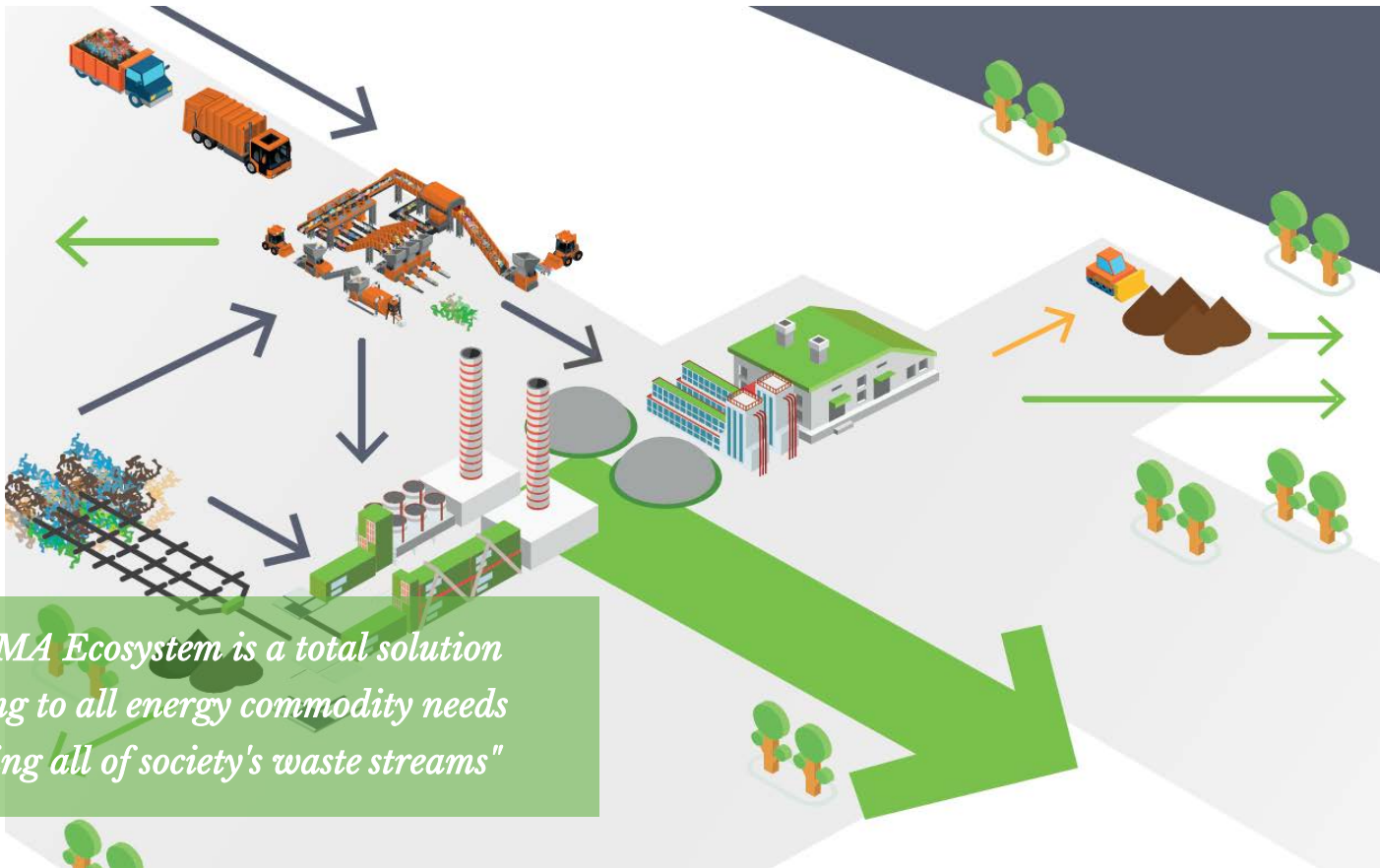


The challenges cities face can be overcome in ways that allow them to continue to thrive and grow, while improving resource use and reducing pollution and poverty. The future we want includes cities of opportunities for all, with access to basic services, energy, housing, transportation and more.

WOIMA decentralized waste management and power generation model transforms waste into energy close to where it is generated. This offers huge savings in waste transportation, power transmission and CO<sub>2</sub> emissions.



# WOIMA Ecosystem Solutions



*"WOIMA Ecosystem is a total solution catering to all energy commodity needs utilizing all of society's waste streams"*

WOIMA Ecosystem Solution combines the best available technologies (BAT) in the fields of recycling, material recovery, waste-to-energy and waste-to-fuel. These solutions increase local resource efficiency by utilizing each waste fraction to its full potential and thus saving locally scarce virgin raw materials and fossil fuels. Even existing landfills can act as fuel sources; either as waste material or as landfill gas to increase the efficiency of the Ecosystem. All of the WOIMA Ecosystem solutions are fully scalable to cater to the needs of both small communities and large metropolises.

All the WOIMA Ecosystem solutions are modular and pre-fabricated. This offers two significant advantages. First, the different Ecosystem Modules have flexible interfaces allowing for the best combination for each customer case. Second, the individual technology modules are easy and cost-effective to maintain, or replace to prolong the lifespan of the whole Ecosystem.

WOIMA Ecosystem is the most sustainable solution environmentally, economically and ecologically for all types of waste fractions. It deduces the maximum amount of energy out of the feedstock, while reducing the remaining material into usable ashes and fertilizers. Over 97% of the original waste quantity is utilized one way or another. It has huge revenue-generation potential through energy and material sales, as well as job-creation potential on-site, upstream and downstream.

WOIMA Ecosystem Solution offers the following key benefits

- easily scalable technical solution
- capable of utilizing every kind of waste stream
- catering to customer's exact needs
- generating a variety of different energy commodities
- supporting circular economy principles
- high ROI and short payback time



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