

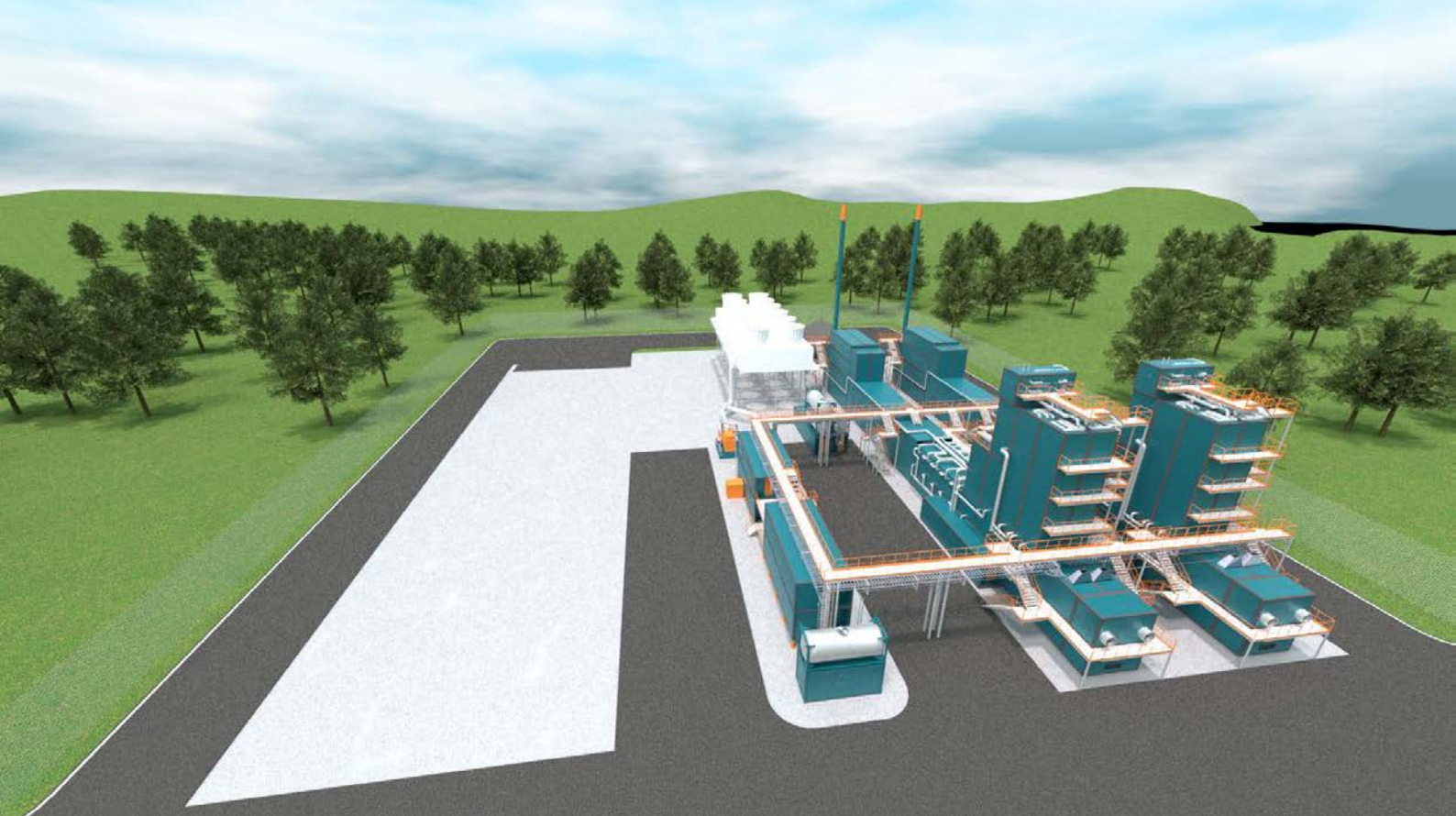


W O I M A

CORPORATION

INVESTOR BROCHURE

wasteWOIMA®



wasteWOIMA®

THE MODULAR WASTE-TO-ENERGY POWER PLANT

The *wasteWOIMA®* waste-to-energy power plant is a new exciting opportunity to investors looking for new profitable, yet sustainable investment targets. The power plant incinerates abundantly available municipal solid waste (MSW) and other waste streams into highly desired energy commodities, such as electricity or saturated steam. Potable water production is easy to add to the equation. In addition, the investor can enjoy the "free" revenue from the waste tipping fee for receiving the waste normally placed in a landfill.

The developing world is struggling to cope both with its growing demand of electricity and waste management challenges. A waste-to-energy power plant seems an obvious answer, but committing to a \$200 million dollar and seven-year project to build a large-scale W2E power plant in a demanding environment is not that appealing.

WOIMA is introducing its ground-breaking new solution to solve this challenge; the modular *wasteWOIMA®* power plant. It is a robust and modular medium-scale power plant using 30,000 to 200,000 tons of waste annually, depending on the quality of the waste and the number of the modules. The design is based on standard 20' and 40' containers and it is engineered for a 30-year lifespan in the harshest of conditions.

A single *wasteWOIMA®* power plant is the perfect solution for a municipality or area of 100,000 to 500,000 inhabitants. For larger cities, these small-to-medium size plants can be decentralized to support both the distributed waste management plan and the distributed power generation plan. They offer significant savings and advantages in waste collection, waste treatment and localized electricity generation. The *wasteWOIMA®* plant is the perfect off-grid solution, where the national grid is not available.

One of the best guarantees to the investor is the plant relocation option. Thanks to its modular structure, the plant can be dismantled and erected in a new location, if needs or requirements change. Only the base slab is left behind.

The *wasteWOIMA*® power plant modularity is based on a *WOIMAline* (powerline) ideology. The plant consists of one to four *WOIMAlines* each capable of producing

- 3.4 MW (gross) or 2.7 MW (net) of electricity or
- 2 MW_e (gross) and 8.5 MW of thermal power or
- 17 t/h of steam (@400°C / 40 bar)

Additionally, there is capacity to produce 100 - 200 m³ of potable water daily, provided a raw water source is available.

The *wasteWOIMA*® is capable of handling a wide range of non-toxic solid waste fuels, such as

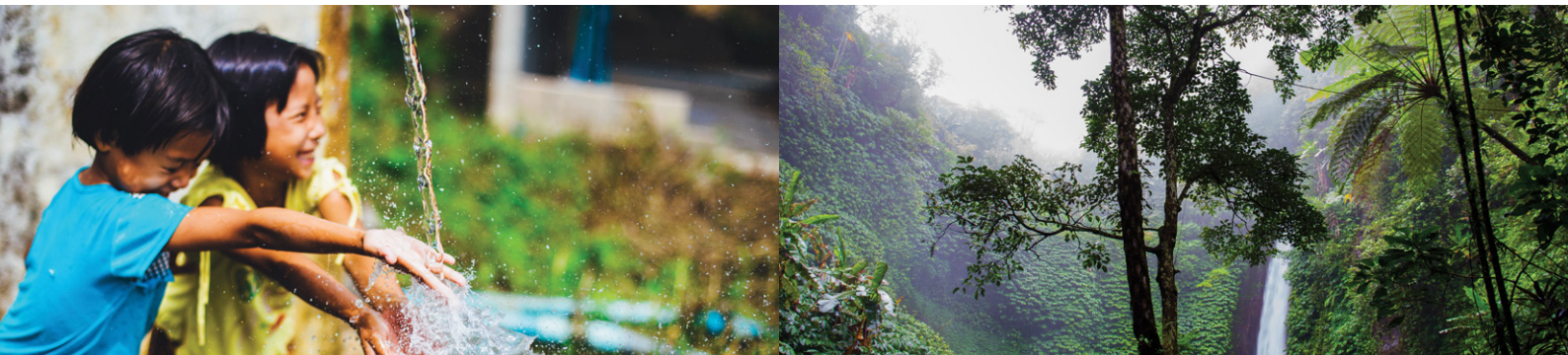
- municipal solid waste (MSW)
- refined waste fuels (REF, RDF or SRF)
- industry, commerce and institution waste (ICI)
- construction and demolition waste (CDW)
- agricultural waste (AW) and
- different biomasses, such as EFB, rice husk...

The *WOIMA* business and delivery model is designed to work even in the most remote areas on the globe and it relies on

- high level of module pre-fabrication
- sourcing the unsophisticated components locally
- short construction and installation time on site
- simple maintenance
- advanced automation & remote monitoring

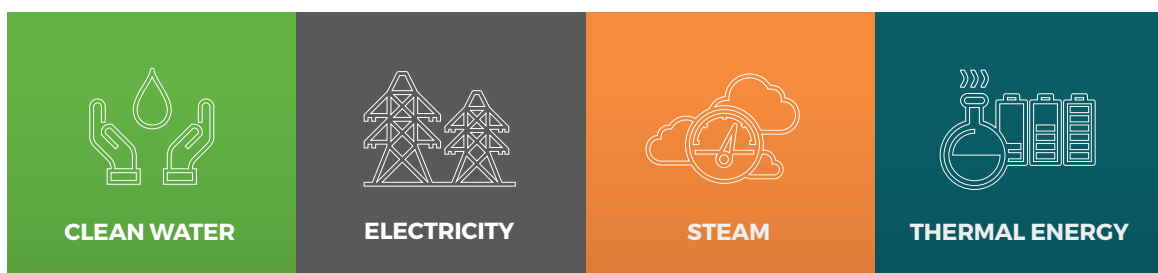
We have drawn up a number of potential use cases to help you realize the potential of the modular *wasteWOIMA*® power plant in different environments. These include e.g.

- Decentralized waste-to-energy solution
- Holiday resort waste-to-energy solution
- Landfill rehabilitation for housing purposes
- Organic waste power generation solution
- More power with landfill and biogas
- Waste reduction as a service



KEY FACTS

- Excellent return on investment (payback time typically 5 to 8 years)
- Low CAPEX / OPEX compared to large-scale power plants
- Power plant relocation option available
- Flexible power generation scheme
- Utilizing a free local fuel source (waste) and even landfills
- Easy exchange of broken or worn-out plant components
- Remote monitoring of plant performance
- Safe operation under any conditions
- Complies with the EU Emission Standards





W O I M A

C O R P O R A T I O N

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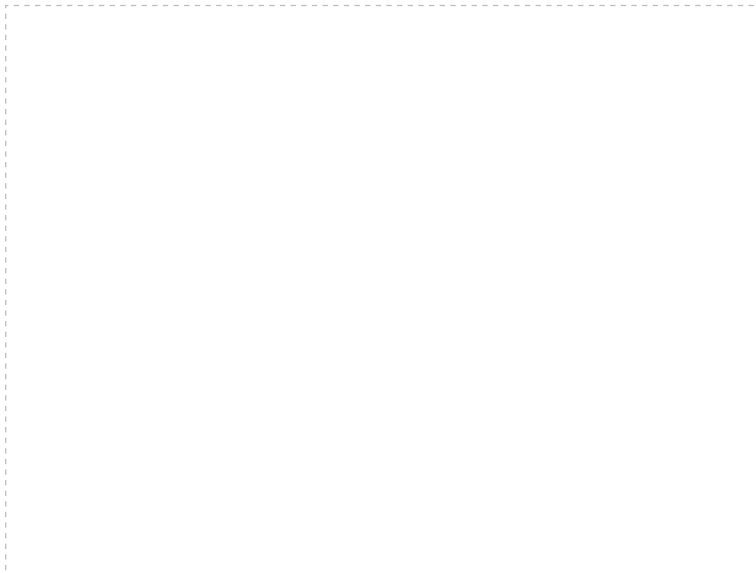
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