USE CASE

EXTENDING EXISTING W2E FACILITY
The wasteWOIMA® power plant design is based on standard 20’ and 40’ container-sized modules, which simultaneously act as
- easily transportable units
- secure enclosures
- installation platform for technical solutions
- protective housing on-site
There is no power plant building causing additional costs or slowing down the erection process. The modules are simply bolted together to form the operational power plant. All the modules have been designed with efficient and fast transportation, erection, dismantling and relocation in mind. Thus, the whole wasteWOIMA® power plant project can be planned as a temporary solution for an interim challenge, such as disposing of occasional waste streams or emptying an existing landfill. Once the primary waste management actions, such as waste reduction, recycling and reuse kick in, the plant can be dismantled and relocated, or assigned for new waste streams. Relocating the plant protects some 90% of the original investment. Only the concrete foundations are left behind.
One WOIMAline uses some 50,000 tons of MSW or 35,000 tons of industrial waste per annum. This translates to 3.4 MW_e of electrical power or 2.0 MW_e / 10 MW_th in co-generation. Up to four WOIMAlines can be interconnected to form a larger wasteWOIMA® power plant. The plant can connect directly to the mother plant’s step-up transformer, district heating or steam network, depending on customer’s preference.

The plant is easily delivered, quick to install, cost-efficient to run and simple to maintain offering all stakeholders significant benefits. Relocation to a close-by site can be done within four-to-six months.

**BENEFITS:**

**WASTE MANAGEMENT**
- Creating new business potential
- Simplifying waste logistics
- Reducing environmental impacts
- Matching future regulations
- Postponing landfill investments
- Green image benefits

**POWER & UTILITY**
- Decentralizing power generation
- Enabling off-grid solutions
- Offering fuel & production flexibility
- Harnessing endless fuel source
- Utilizing carbon credit schemes
- Fast plant delivery

**INVESTORS**
- Excellent return on investment (ROI)
- Scalable business model
- Diversified investment portfolio
- Vendor arranged funding
- Fast project roll-out
- Plant relocation option

**OTHER STAKEHOLDERS**
- Turning waste into local welfare
- Health & environmental benefits
- Local reliable energy supply
- Educational & job opportunities
- Improving living conditions
- Implementing development funding
CONTACT INFORMATION

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