

Waste-to-Energy Industry

WASTE-TO-ENERGY PLANTS



WASTE-TO-ENERGY INDUSTRY

We manufacture machinery as a subcontractor and provide intelligent services for sustainable businesses.

One man's trash is another man's treasure. We offer our expertise in engineering, manufacturing and automation in the waste-to-energy business to make the world cleaner. When energy is produced from waste, the fuel is burned and the heat generated is collected and transferred straight to district heating systems. The fuel can be anything from household waste and plastics to used clothing and wood waste. Biomass or trash can be turned into a pure, burnable gas through gasification. The heat generated can also be used to create steam to drive turbines. For example, water or steam turbines can generate electricity. The ash byproducts can also be used, for example, in road fillings and fertilizers. Because Makron is an expert in demanding production and industrial automation projects, as your subcontracting partner, we have the competence to complete your processes and technology.

WASTE-TO-ENERGY PLANTS

Waste-to-energy plants use either biomass or mixed waste as fuel to produce energy for district heating or electricity. These plants cover all the phases from waste reception and handling to energy production. District heat is produced by burning fuel to heat water. The hot water is then circulated through the district heating pipes. Electricity is produced by burning fuel and using the heat generated to produce steam to drive turbines. As your subcontracting partner, we provide you with our expertise for all stages of your process.

What Makron does

As a contract manufacturer of technology providers, we manufacture machinery and control cabinets for power plants. Our offering includes the related intelligent services, e.g. complete industrial automation services, pressure vessel and heat exchanger engineering, and technical calculations.

Products & expertise

- Pressure vessel and heat exchanger engineering
 - Technical calculations
 - Automation engineering
 - Electrical engineering
 - Machine manufacturing
 - Conveyor manufacturing
 - Electrical control cabinets
 - Electrical installations
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