

Plant Profile:

Waste-to-Energy
Warsaw, Poland

DOOSAN Lentjes

Doosan Lentjes was contracted to supply the grate and boiler systems for the new waste incineration plant in Warsaw, Poland, in 2021.

Supplies & Services

- Combustion system with air-cooled reciprocating grate
- Steam generator
- SNCR

Customer benefits

- High flexibility with regard to changing waste qualities and compositions
- High plant life cycle
- Improvement of the local waste management infrastructure
- Doosan Lentjes has in-depth experience in waste incineration on the Polish market

Credit: MPO Sp. z o.o. w m.st. Warszawie



Improving the Polish waste management infrastructure

Doosan Lentjes was selected by South Korean general contractor POSCO E&C to supply the grate and boiler systems for the new waste-to-energy plant in Warsaw, Poland. The plant is owned by the municipal waste management company MPO.

The scope of supply includes Doosan Lentjes' proven air-cooled reciprocating grate, a high-efficiency steam generator, and an SNCR (Selective Non-Catalytic Reduction) system for the reduction of nitrogen oxides in the flue gas.

The plant will thermally treat around 314,000 tonnes of municipal solid waste from the Warsaw region every year – making an important contribution to establishing secure, local disposal capacities that meet the EU's requirements for sustainable waste management.

The customer benefits from a future-proof solution designed to accommodate changing waste compositions and qualities, ensuring long-term, environmentally sound waste treatment.

Key project data

Customer	MPO Warsaw
Customer (main contractor)	POSCO Engineering & Construction Ltd.
Location	Warsaw, Poland
Contract award	2021
Fuel	Municipal solid waste
Total plant capacity	314,000 t/a
Number of lines	2
Thermal capacity	2 x 47.2 MW _{th}
Steam parameter	400°C / 40 bar
Heating value (MCR)	8.65 MJ/kg

Doosan Lentjes focuses on environmental technologies for the efficient use of resources in the sense of a sustainable circular economy. With our proprietary processes for incineration, steam generation and flue gas cleaning, we supply tailor-made partial plants for thermal waste and sewage sludge treatment. Expertise in the circulating fluidised bed rounds off our range of services.

As a member of the global Doosan Group, Doosan Lentjes is part of a powerful international network of companies offering complementary technologies and services worldwide.

Warsaw, Poland

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