iCOR
Tech Owner I Investor I Operator

SCAN & DOWNLOAD

# SMALL-SCALE WASTE-TO-ENERGY PLANTS

**ICOR Group is a Northern European investment group focused on energy, infrastructure, and sustainable solutions. Established in 1990, the company has grown into one of the largest corporate groups in the region, operating a diverse portfolio of more than 100 companies across multiple sectors.**

## WtE for Small to Mid-sized Cities

Designed for cities of 20,000-75,000 residents, this solution ensures local waste is managed locally without oversized landfills. A capacity of 32,000 (one line) / 64,000 (two lines) of MSW per year.

## Fully Financed Solution

ICOR Group provides full investment with no public funding delays, leveraging a gate fee model to deliver reliable heat and electricity.

## Future-ready Energy (ETS Advantage)

Plants like ours (below 20 MW) will be outside the EU ETS (European Union Emissions Trading System) for WtE plants, resulting in lower $CO_2$ costs and lower waste handling costs for the city's residents.

## NUMBERS OF THE ICOR CORPORATE GROUP

**Turnover**
**300** million eur

**Employees**
**3 000**

**Activity area covers**
**60+** countries

**Group**
**100+** companies

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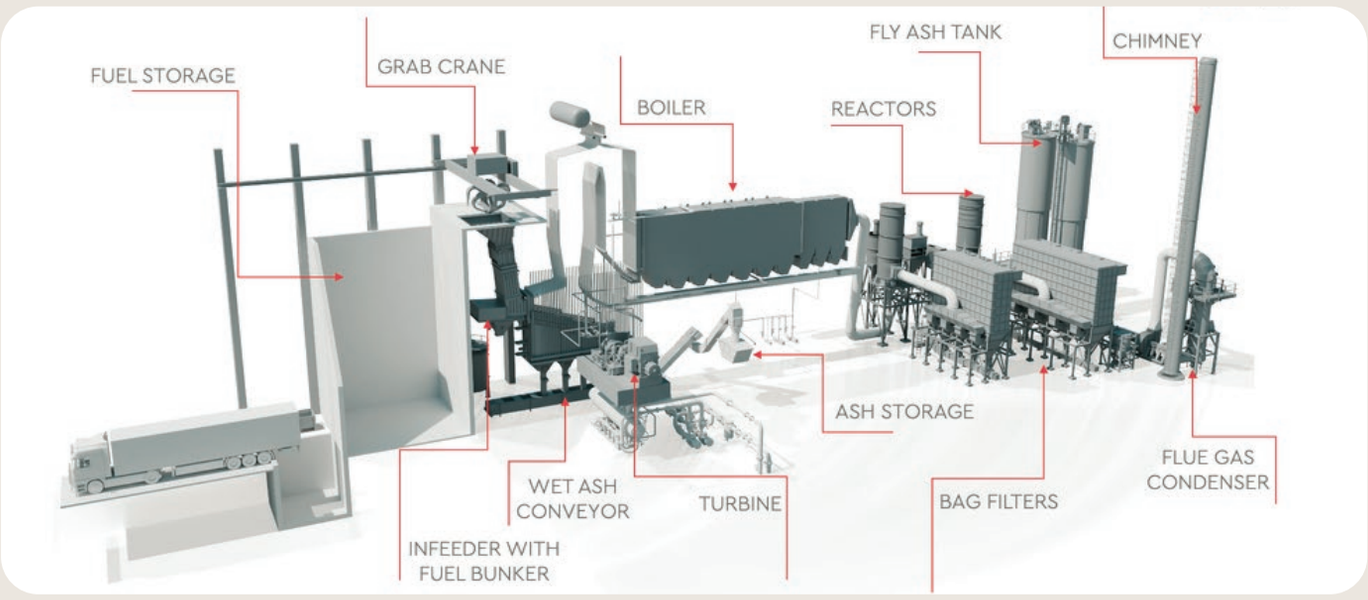
# NUMBERS OF THE ICOR CORPORATE GROUP

- A cogeneration waste incineration facility with a capacity of **10 MW (thermal)** and **2 MW (electrical) per line,** with the possibility to expand to two lines.
- **The electricity produced will be supplied to the grid,** while the generated **heat will either be dissipated through cooling systems or used in technological processes,** where applicable.
- The maximum **building height is 20 m**, and the minimum **site area required for a single line is 1.3 ha.**
- The primary fuel will consist of of unsorted, presorted, non-recycable municipal waste, supplemented by dried sludge from wastewater treatment plants. The estimated fuel consumption is approximately **4 tonnes per hour.**
- Flue gas treatment will be based on dry cleaning technology, ensuring compliance with environmental standards. **All emissions will comply with Best Available Techniques** (BAT) requirements for waste treatment facilities.

# MAIN PARAMETERS

| | |
|---|---|
| **Nominal waste incineration capacity** | 4,0 t/h at 7-14,0 MJ/kg |
| **Guaranty capacity** | 10 MW of boiler at 11,0 MJ/kg |
| **Annual operating hours** | 8000 h |
| **Estimated boiler load range** | 60-100% MCR |
| **Steam parameters** | 40 bar(a), 400°C |
| **Production of electricity** | 2 MW |
| **Flue gas outlet temperature from boiler** | 180°C |
| **Flue gas outlet temperature from Flue gas economizer** | 70°C |
| **RDF-refused derived fuel codes 19 12 10 and 19 12 12 (European Waste Catalogue)** | |
| **Mixed municipal waste - typical waste bag code 20 03 01 (European Waste Catalogue)** | |

# VISUAL PLAN

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