

District Heating Supply and Power Generation at Kiev Incineration Plant “ENERGIA”



Project Owner



- **PSC "Kievenergo", Affiliated company MSW incineration plant "Energia"**
- **Core business profile: heat and power generation, transmissions and distribution supply in Kiev city**
- **Project manager: "Energia" plant**
- **Project developer – "Kievenergo" (R&D Institute)**

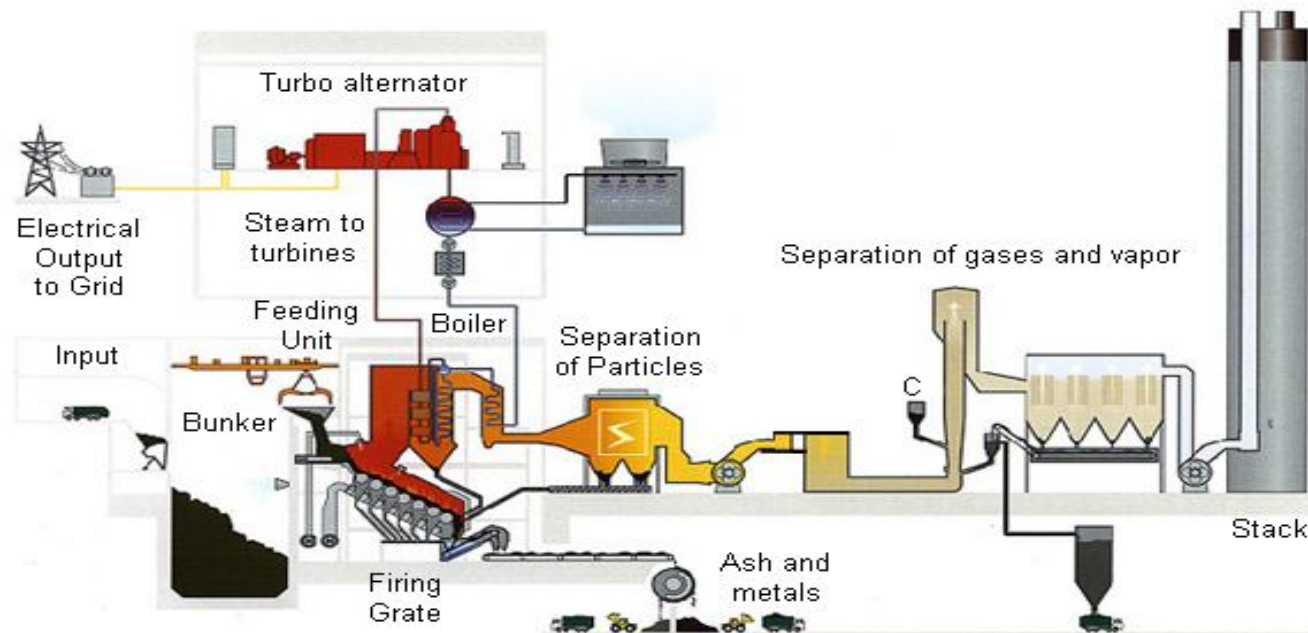
Current situation:

- **Present Situation: 260 000 GCal (62000 GJ)/year "heating the universe" through steam air condensers on the plant roof top**
- **Objective: Useful utilization of the generated steam by incinerators**
- **Previous related projects: Renovation and upgrade of the existing incineration boilers, new monitoring and data collection system, combustion air supply improvements etc.**

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Principal solution:

- Connection to local DH network and 27 Gcal/h heat supply
- Establishment of power generation (10 MW = 4 MW turbine_{bp} + 6 turbine_{cond})



Anticipated Project Financial Input/Performance

Required finances	Amount, thousand EUR
Own finances	100
Investments	9 400
Total	9 500

Financial performance	
Revenues from heat and power sales	3 100 thousand EURO
Payback period (simple)	3 years

Potential for CO₂ Emission Reductions

Plans for the JI-project and preparations made so far

- **Present GHG emissions – equivalent to gas fired CHP emissions for 27 GCal.h heat and 10 MWh power generation**
- **GHG emission reductions – 120 kt/CO₂ (56 k.t.CO₂_{heat} + 64 k.t._{el})**

Project Advantages

- **Well known and proven technology to be in use**
- **Skilled technical and management staff involved**
- **Available feasibility study**
- **Project passed through Ukrainian State Investment Project Expertise**
- **Project work documentation to be completed shortly**

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Contact data of project's owner

Affiliated company “Energia” PSC “Kievenoergo”

44 Collectornaya str., Kiev Ukraine

Phone: +38 (044) 564 59 83

Fax: +38(044) 564 59 83

Director: Mr. Krikun Sergey.S.