



PILOT DEMO SYSTEM

Project Name	Hazardous Waste Pilot Demonstration System
Customer	National Technical University of Athens
Location	Viotia Region, Greece
Delivery	May 2002
Products/Services	PAGV, Engineering Services, Reactors,
Capacity	50 kg/h
Feed	Hazardous waste
Energy	n/a
PyroGenesis Role	System Supplier (Design and Build)
Other stakeholders	European Union LIFE program

PyroGenesis designed and built a turnkey pilot demonstration plasma waste treatment system for the National Technical University of Athens. The purpose of the project was to demonstrate the ability of plasma technology to safely destroy hazardous waste, while producing minimal emissions and secondary waste.

The system consisted of a melting plasma furnace, gas fired secondary combustion chamber, gas cleaning system including a quench, venturi, and wet scrubber. All equipment was designed and fabricated by PyroGenesis. Fully automated by a PLC, the whole system was preassembled on skids, making installation and deployment extremely efficient.

The system was delivered by our team on schedule and demonstrated the ability of plasma technology to safely destroy hazardous waste.

