

LARISSA, GREECE

Size:
0.5 MWe

Project status:
In construction

Background:

With a 3,800 metric tonnes capacity per year, this gasification plant will take a mix of waste by-products from regional farmers during three harvest seasons of corn, wheat and cotton. Currently these materials are either incinerated or taken to

landfill but once this project is commissioned, the waste will be formed into pellets, processed through EQTEC's gasifier and converted into electricity which will be sold to the country's grid system by the owner-operator, Agrigas Energy

More information

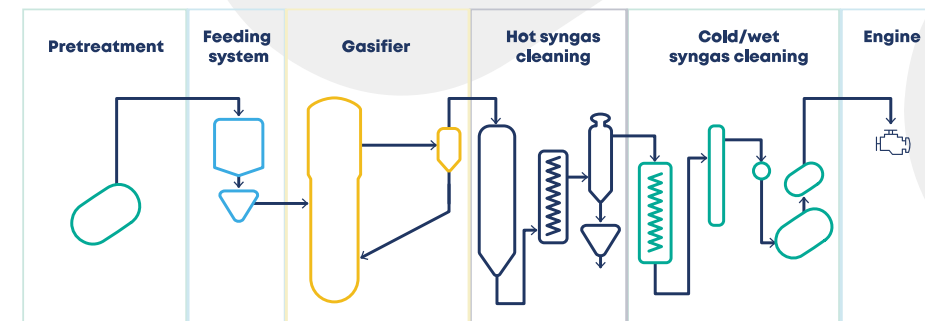
Our role: We are the technology provider for gasification technology and engineering and design services, working with partners Agrigas Energy, ECO Hellas and ewerGy.

The plant is currently making progress including:

- ✓ Reached financial close
- ✓ This project will be Greece's first ever advanced gasification plant and is one of a number of potential opportunities across Greece that have been identified with our joint venture partners, ewerGy, who are the Engineering, Procurement and Construction (EPC) partner at Agrigas 1
- ✓ Site update - September 2021: Most technology components, including the Siemens Jenbacher engine, arrived on site. The final shipment of equipment, to include heat exchangers, gasifier, cyclone, filters and refractory, is expected to be shipped by the end of September and delivered on site in October



Biomass-to-energy configuration



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Technical Specification

Location	Larissa, Greece
Size (MWe / MWth size)	0.5 MWe
Electrical efficiency	25 %
Total efficiency (electrical & thermal)	25%
Feedstock	Agriculture waste plant (wheat, corn, cotton)
Feedstock throughput	c.3800 tonnes per annum
Engine	SIEMENS SGE 48SL
Operating temperature range	780 – 830 °C
Commission / Due Date	tbc
Type (Commercial/R&D Pilot)	Commercial
Category (biomass-to-energy, biomass-to-bioenergy, RDF-to-energy)	Biomass-to-energy
Applications (Electricity, thermal, biochar, biofuels)	Electricity
Size (MWe / MWth size)	0.5 MWe