

Renewable Energy (Biomass to Energy)

BIOMASS GASIFICATION PLANT

Client - Phoenix Solutions, Inc

Project Location – Brussels, Belgium

APT Gasification Project entails the design of a process plant to demonstrate process ability to convert wood chips, RDF (refused derived fuels) and future feedstocks into syngas for use in a combined cycle turbine generator and combustion systems.

Integrity Engineers provided process equipment design and specification generation for modular, skid-mounted feedstock solids feeder, gas wet quench/scrubbing, and waste water treatment system. The project challenges included individual process equipment calculations and specification to meet client feed-rate requirements, capacity and syngas quality requirements with an accelerated schedule.



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