

# KARLOVAC, CROATIA

**Size:**  
3 MWe

**Project status:**  
In construction

## Background:

The site contains a plant which once employed an early gasification technology from a third party. It didn't achieve the designed operational availability and closed. When the plant has been adapted, in two phases

of 1.5MWe and commissioned, it will transform locally sourced wood chips and forestry waste biomass per year from regional forests into green electricity for use by the local community as well as produce high quality biochar

## More information

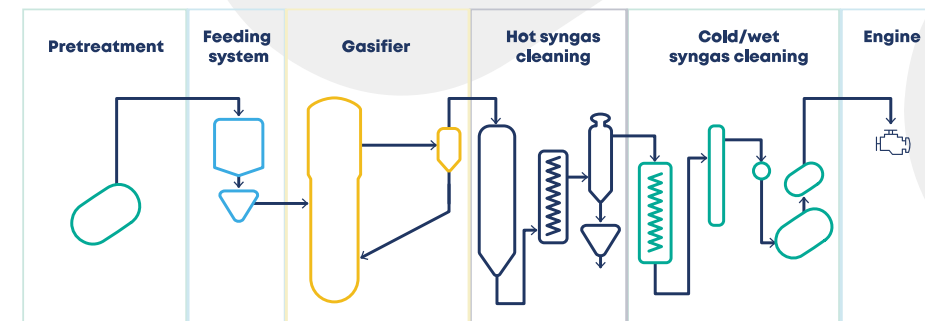
**Our role:** We are the project developer and provider of our gasification technology, working in a joint venture with Croatian project development partner, Sense ESCO. We expect to be the O&M contractor.

The plant is in the earlier stages, including:

- First phase funding has been secured to accelerate completion of the detailed engineering design and order main equipment
- The plant has been acquired from the current land owner
- All licenses, permits, a grid connection and a power purchase agreement are in place
- The EPC provider, COSMI, an existing EQTEC partner, has been appointed
- The plant is expected to be adapted, recommissioned and repowered for operations towards the end of 2022
- Site update - February 2022: First-phase funding has been completed and the plant is expected to be adapted, recommissioned and repowered for operations towards the end of 2022



## Biomass-to-energy configuration



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## Technical Specification

Location	Karlovač, Croatia
Size (MWe / MWth size)	3 MWe
Electrical efficiency	24.5 %
Total efficiency (electrical & thermal)	66 %
Feedstock	Forestry waste plant
Feedstock throughput	c.7,500 tonnes per annum
Engine	tbc
Operating temperature range	750 – 780 °C
Commission / Due Date	Due to re-operationalise by Q4 2022
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, biochar
Size (MWe / MWth size)	3 MWe