

# CROATIA MDC, CROATIA

**Size:**  
1.5 MWe

**Project status:**  
In construction

## Background:

The gasification plant, which featured EQTEC Advanced Gasification Technology when it was commissioned in 2016, will handle c.8,000 metric tonnes of locally sourced waste biomass per year. It will take wood chips and forestry wood

waste from regional forests. The green electricity and heat produced will be used by the local community

## More information

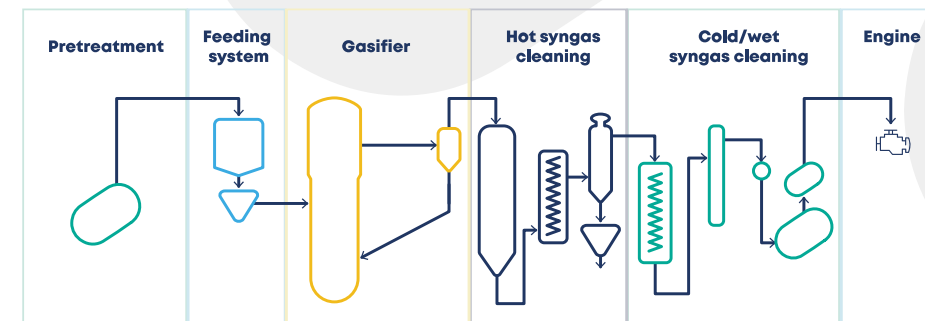
**Our role:** We are the project developer and provider of our gasification technology, working in a joint venture with Croatian project development partner, Sense ESCO. We expect to be the O&M contractor.

The plant, previously commissioned in 2016, with progress including:

- Financial close has been achieved, in order to upgrade the design and an increase in capacity to 1.5MWe from the original 1.2MWe
- A grid connection application will be made in the second half of 2021
- The plant is expected to be updated, recommissioned and repowered for operations in H2 2022
- The site will become a Market Development Centre (MDC), which will showcase our technology in a fully operational, commercial setting
- Site update – March 2022: A full engineering and specification process was completed. Negotiations advanced with a local industrial customer for power and heat offtake. In Q2, we expect to agree heads of terms with the industrial customer for the offtake. In addition, a preferred customer for the biochar to be produced at the site has been identified and commercial discussions commenced. A further site visit with EPC contractor COSMI is confirmed towards commissioning as planned.



## Biomass-to-energy configuration



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## Technical Specification

Location	Belišće, Croatia
Size (MWe / MWth size)	1.5 MWe
Electrical efficiency	28 %
Total efficiency (electrical & thermal)	68 %
Feedstock	Forestry waste plant
Feedstock throughput	c.8000 tonnes per annum
Engine	GE Jenbacher 612
Operating temperature range	800 – 850 °C
Commission / Due Date	Originally commissioned in 2016, 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, thermal
Size (MWe / MWth size)	1.5 MWe