

## 6 MW WoodRoll - Data sheet

### Capacities

Syngas	6 MW, LHV 11-12 MJ/Nm <sup>3</sup> (approx. 0,5 MW of heat available)
Power	2.4 MW based on gas engine (>3 MW of heat available)
SNG	4.8 MW based on catalytic process (>1,5 MW of heat available)
Hydrogen	5.4 MW based on gas separation and WGS (>1 MW of heat available)

### Main operational expenses

Feedstock	1.5 dry and ash free ton per hour
Power	200 kW (only syngas generation)
Water	800 kg per hour
Gas	Nitrogen 20 Nm <sup>3</sup> /h (to inert processes)

### Footprint and manpower

Footprint of 12\*30 meters excluding chimney, biomass pocket and downstream application modules. Height excluding the chimney is 13 meters. To allow for proper logistic and feedstock handling an indicative area of 1,500 m<sup>2</sup> is recommended. The WoodRoll is prepared for remote control, labor at site during normal operation is mainly related to handling of the feedstock.

### Delivery

The WoodRoll technology is based on delivering a modular process plant. Modules are built and tested at a dedicated plant and after Factory Acceptance Test (FAT) the modules are transported to site where the modules are assembled into a complete process plant. Weather protection (roof and walls) are an integrated part of the modular construction.

### Syngas composition dry-%

Hydrogen	50 - 60%
CO	20 - 30%
CH <sub>4</sub>	1 - 2%
CO <sub>2</sub>	8 - 17%

### Feedstock

Feedstock with up to 45% moisture needs no pre-drying. Feedstock can be changed without any hardware changes.

