

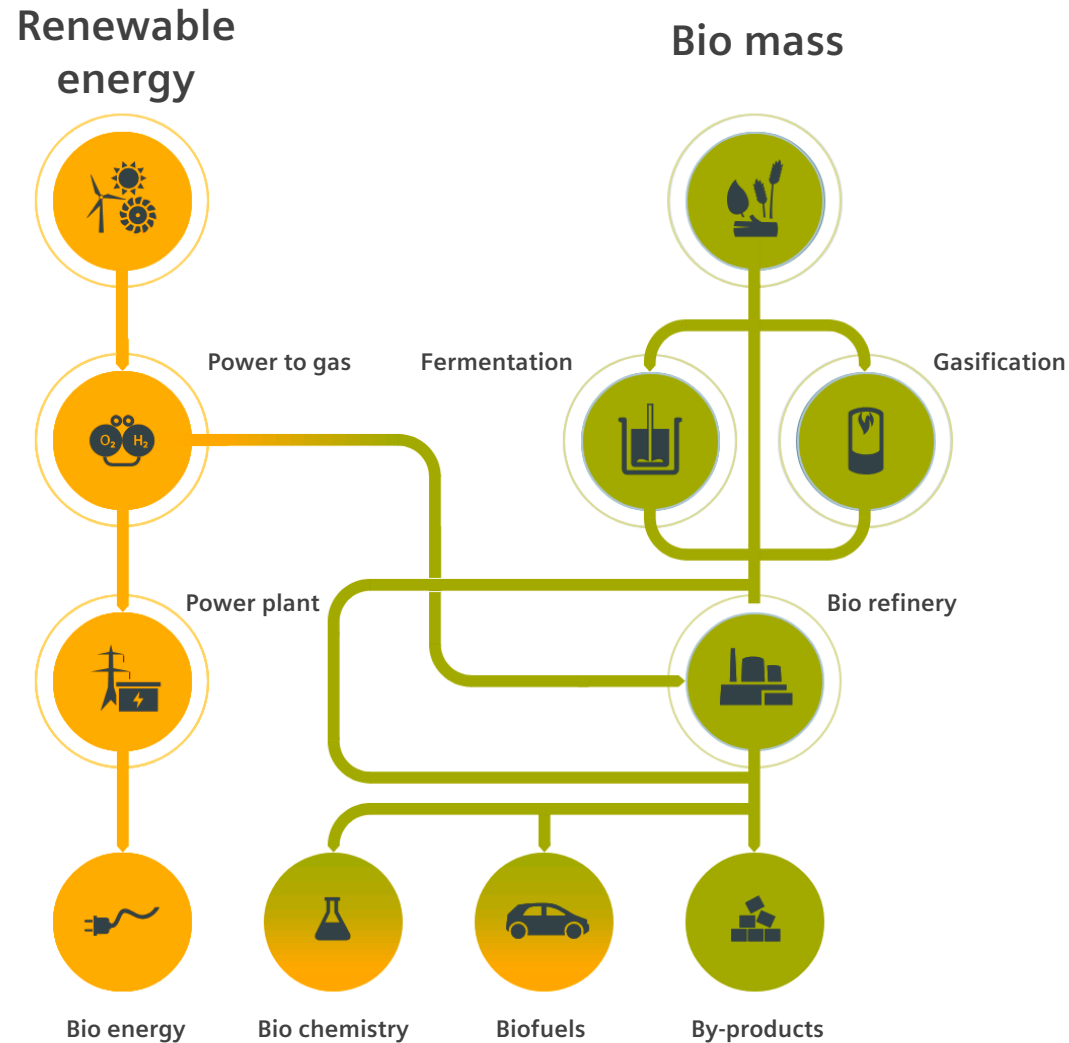
Green refineries – Our entire portfolio of opportunities at a glance

Power to gas

Conversion of excess energy by electrolysis into "green" hydrogen which can be used in varied ways.

Power plant

Generation of electrical and/or thermal energy by combustion of biogas/synthesis gas or biomass in power plants.



Gasification

Gasification of organic material and use of the synthesis gas, e.g. for chemical products, synthetic fuel or power generation in power plants.

Fermentation

Organic materials are converted by means of microorganisms or enzymes, e.g. for bioethanol.

Biorefinery

Bio-refineries transform biomass or "green" gas into "green" chemistry, i.e. into biofuels and bioenergy. The process uses by-products efficiently.