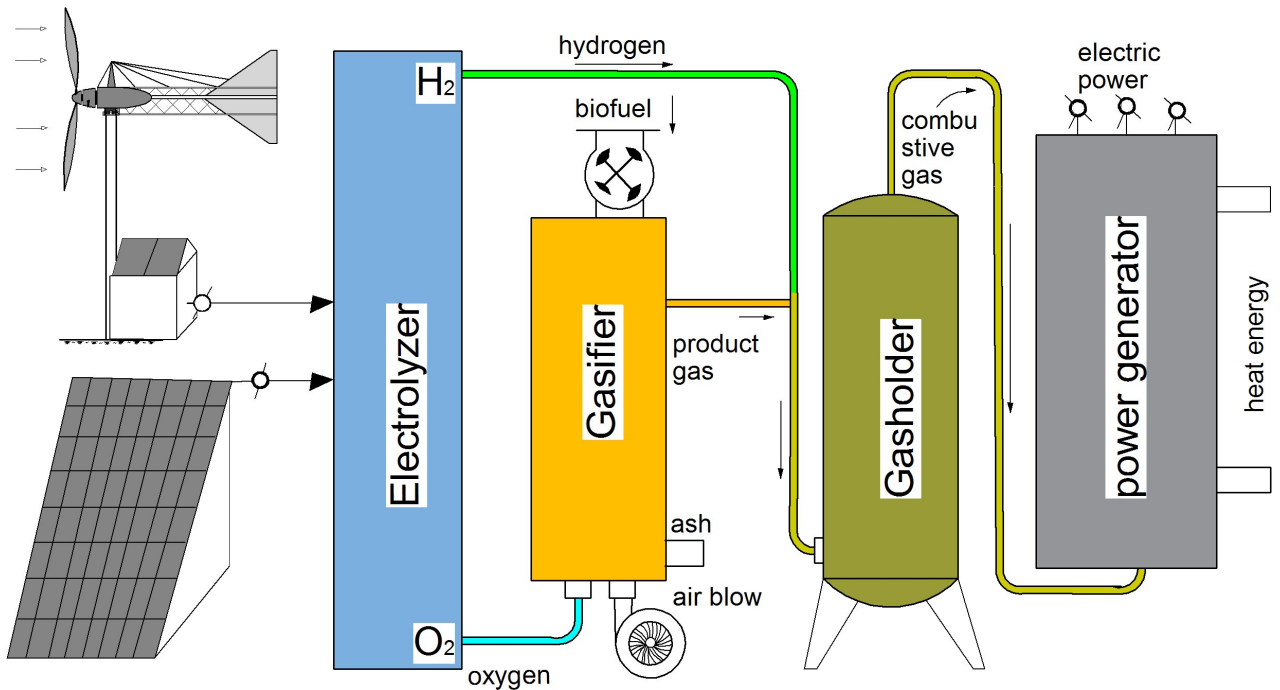


Renewable energy complex



Electricity from wind and solar power is used for the electrolysis of water. The resulting oxygen supplied to the gasifier for enriching the air blast. Producer gas from biomass gasifier is mixing with hydrogen. Flammable gas mixture from gasholder supplied to power generator.

Advantages:

1. Efficient conversion of unstable wind and solar electricity
2. Easy and complete use of electrolysis products (hydrogen and oxygen)
3. Production of high caloric fuel gas
4. Continuous generation of electric current in the absence of wind and sun energy