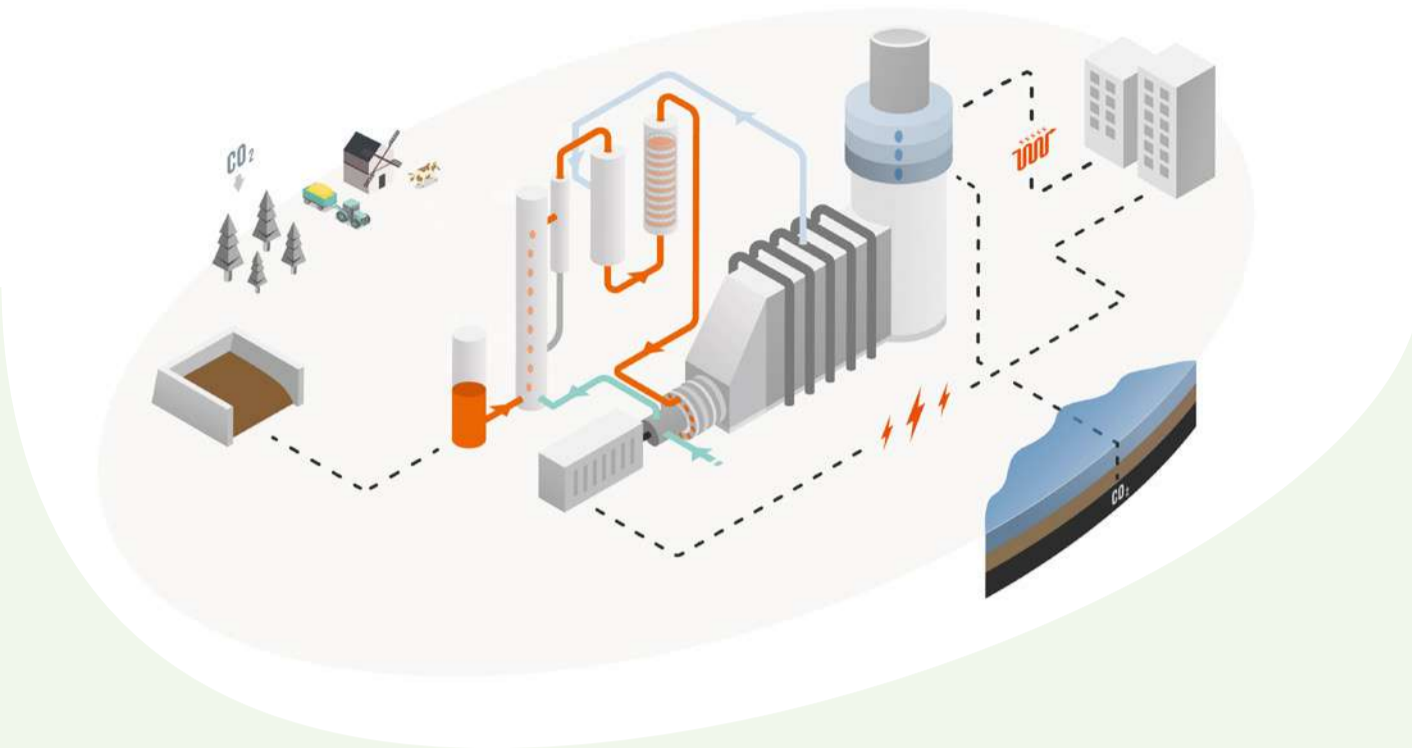


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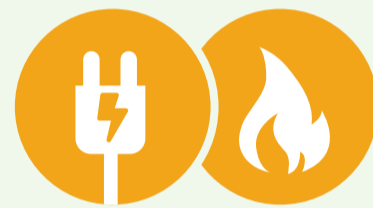
Developing the HyFlex BTC for maximum product flexibility



Operation Mode #1:



Biomass



Power and Heat

Operation Mode #2:



Biomass



Green Hydrogen and Heat

Operation Mode #3:



Green Hydrogen



Fast-Response Power

The Biomass-fired Top Cycle (BTC) is a highly efficient, modular 25 MWe power plant being developed to provide renewable energy. In the Bio-FlexGen project, we will design an even more flexible version, the **HyFlex BTC**. It has three operating modes to meet the varying needs of our energy system:

- 1. Produce power and heat from biomass**
- 2. Produce green hydrogen and heat from biomass**
- 3. Produce fast-response power from green hydrogen**

These features build hourly, daily, monthly and seasonal flexibility into the Bio-Flex Gen plant. Therefore, it secures robust prices and adapts to energy fluctuations. This is crucial for both society and plant operators.

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