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SOFC CCHP - treating biogas for the use in a SOFC-system

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A SOFC CCHP system (Combined Cooling, Heat and Power) using renewable energy sources (biogas, sewage gas, land II gas will be developed to achieve high e ciencies. While electrical power will be produced at very high e ciencies using a SOFC (Solid Oxide Fuel Cell), the energy of the hot exhaust gas will be used to operate an absorption chiller system which provides a lot temperature coolant and its waste heat can be used for heating. e combined system allows the utilization of various renewable energy sources and a high annual e ciency. Depending on the utilized fuel, which will be converted in the SOFC, dierent requirements

Notes: