



HARNESSING CLEAN ENERGY FROM THE SUN

Governments, utilities and private companies continue to investigate means to reduce their greenhouse gas (GHG) emissions and meet their sustainability goals in the most cost-effective manner. Renewable resources can be converted into low-carbon fuels with air quality and climate benefits, reducing waste streams and their associated air pollution. The fuels produced can be used to lower the GHG emissions of vehicles, homes, and businesses.

near-zero,
zero, or
below-zero,
carbon intensity

SunGas Renewables takes the sun's energy that is stored in organic wastes and their byproducts—principally woody biomass—and converts it into renewable fuel at high efficiency, while simultaneously reducing the adverse environmental impacts of these waste streams.

SunGas Renewables is transforming these wood wastes into a clean and reliable syngas which can be utilized to produce a variety of gaseous and liquid biofuels such as renewable natural gas, hydrogen, diesel, gasoline, jet fuel and methanol. These biofuel products are virtually undistinguishable from their fossil-derived counterparts and can assist industry and governments in meeting their GHG reduction goals.

SunGas deploys proven commercial technologies to reliably produce clean syngas that meets specifications. Depending on the design of the facility, which technologies are deployed, and what feedstocks are utilized, the biofuel can have a near-zero, zero, or below-zero carbon intensity (CI) to meet the needs of the user.



GTI-developed gasifier technology in CHP plant in Skive, Denmark



99% less conventional air pollutants than the existing biomass power generation facility

FOR MORE INFORMATION

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SunGas can also transform biomass power generation facilities into biofuel production sites that produce 99% less conventional air pollutants than the existing site, and the resulting biofuel has a lower CI than the electricity that was being produced previously. This transformation can greatly improve local air quality and create a low-carbon biofuel.

SunGas is accessing biomass conversion, gas quality, clean-up, and processing know how and technologies from GTI.

SunGas Renewables combines the expertise of engineers, scientists, and others with decades of experience in developing biofuels projects. This collaboration leads to the construction of biofuel production facilities that are safe, reliable, and have the capability to produce biofuels for years to come.



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