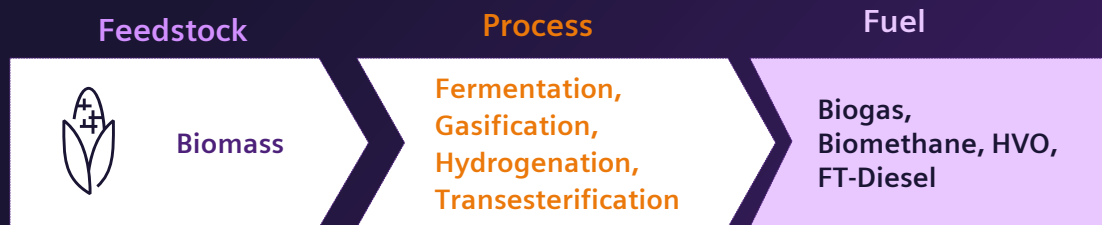


Biofuel Capability in Siemens Energy Medium Gas Turbines

Future-proof your gas turbine operation



HVO - Hydrogenated Vegetable Oil, FT Diesel = Fischer Tropsch-Diesel

Shift from fossil to green fuels – reduce emissions and also ensure license to operate



Product Overview

Siemens Energy offers upgrade solutions to adopt your gas turbine to operation on gaseous or liquid biofuels



Features

Upgrade package for gas turbine and auxiliary systems adapted to fuel composition and installed equipment



Benefits

- Significant reduction of CO₂ emissions operating a gas turbine on green fuels compared to natural gas/CH₄
- Low NO_x emissions through DLE technology
- Meet market sustainability expectations and requirement
- Operating on a fuel based on renewable sources, in some cases a utilizing a waste product
- Reduced carbon cost (expected to increase steeply in line with commitments regarding decarbonization)
- Biodiesels, especially HVO, has good storage properties which makes them suitable for e.g. back-up applications



Scope of work & Implementation

- Solution optimized to fuel composition, operation and current installation
- Initial engineering study can be performed to evaluate equipment and boundary conditions and define a customized scope of delivery
- Quick installation at site, minimal disruption to operation

