PLATFORM

- Small-scale modular plant
- Skid-mounted

FEEDSTOCK

- Natural gas
- Biogas
- Other methane-rich "waste gas"

DEPLOYMENT

- Dairies, stockyards and farms with anaerobic digesters
- · Remote oil and gas fields
- Landfills

CAPACITY

 3,000 – 10,000 gallons per day

OUTPUT

- Methanol (performance guaranteed)
- AA grade to ASTM D1152 specifications

PRODUCTS

- Methanol
- Heat for use with anaerobic digester or other co-located processes

FEATURES

- Feedstock flexible biogas, natural gas, flare gas, landfill gas
- Skid-mounted
- Small footprint
- Factory built
- Optional building enclosures for aesthetics

ADVANTAGES

- Co-location with feedstock supply
- Lower capital and operating costs
- Methanol is easy to transport via truck or rail
- Large and diverse methanol markets
- Quick deployment
- · Easy to permit

BENEFITS

- New source of revenue with higher potential returns
- Alternative to flaring or generating electricity
- Reduces GHG emissions; carbon credit eligible (where applicable)

Maverick builds and operates Maverick Oasis™ plants with strategic partners

For more information contact:

Eric Cumming +1 919-341-4208 ecumming@mavericksynfuels.com



Small-scale Modular Methanol Plants



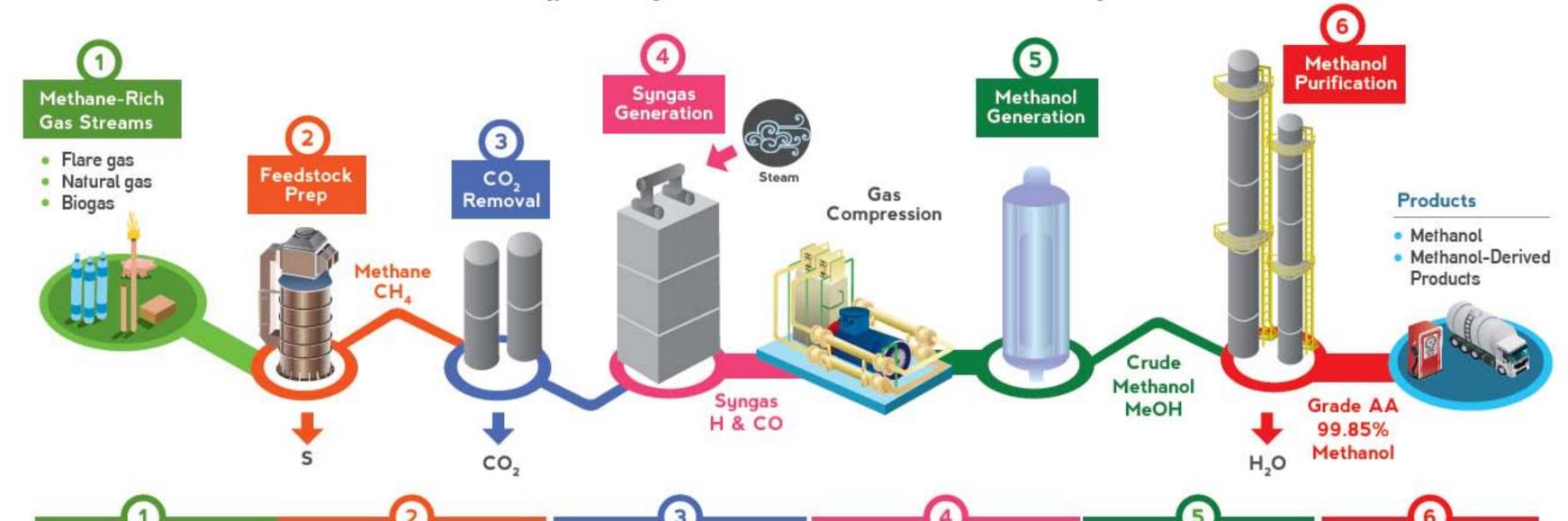
Produce methanol at the source





Methane-to-Methanol Conversion Process

Methanol synthesis is a well-known commercially proven process. For the first time, Maverick brings that proven technology to smaller gas applications in an efficient, compact and mobile configuration.



Maverick's proprietary conversion process starts with methane gas. This methane gas can come from a variety of sources including biogas from anaerobic digesters or natural gas from oil and gas wells.

The first step in Maverick's process removes sulfur and/or other impurities from the gas source in order to protect the performance of the downstream catalysts.

After sulfur removal, if there is a high concentration of carbon dioxide in the methane gas, it can be removed and adjusted to yield an ideal gas composition for methanol synthesis. The methane is reacted with steam over a catalyst to produce a synthesis gas composed primarily of hydrogen and carbon monoxide. This syngas will serve as the 'building blocks' for Maverick's methanol production.

After a gas compression step, the adjusted syngas is fed to Maverick's methanol generation block where it is converted into 'crude' methanol. This 'crude' methanol is purified, mostly for water removal, through two distillation steps until it meets industry standards for AA grade quality - a minimum of 99.85% purity.