

MeOH-To-Go<sup>®</sup> is a small-scale modular methanol plant designed for field operations anywhere in the world. MeOH-To-Go<sup>®</sup> plants can use natural gas from a variety of grey sources, including pipeline, stranded and flared, as well as various compositions of syngas derived from newly developed green or blue sources to create grade AA methanol for immediate market utilization. Methanol is desirable because it is a building block for hundreds of everyday products, is easily transportable and is globally consumed, making it an integral feedstock for a variety of processes.

MeOH-To-Go<sup>®</sup> was developed by Modular Plant Solutions, a team of engineering and operations specialists with over 550 years of combined experience in construction, engineering, fabrication and operations. The process technology that powers MeOH-To-Go<sup>®</sup> is licensed from Topsoe, a leader in methanol technology with over 40 methanol units around the world.

The MeOH-To-Go<sup>®</sup> patented modular design is based on the ISO 1496 container standard, so plant components can be shipped via container ship, rail and truck, and re-assembled in the field, reducing construction risks. This plant is designed to be self-supporting, remotely operated and monitored, and even moved if needed.

### Inputs Needed

#### Natural Gas Requirements

Pressure	210	psig
Quantity <sup>*1</sup>	10,200	mmBtu/day
Max N <sub>2</sub> <sup>*2</sup>	20	%
Max CO <sub>2</sub> <sup>*3</sup>	25	%
Max Sulfur <sup>*4</sup>	10	ppm

#### Raw Water Requirements

Pressure	60	psig
Quantity	50 – 60 <sup>*5</sup>	gpm

#### Power Requirements<sup>\*6</sup>

Voltage	4,160	V
Usage	8.5	MW

#### Site Requirements

Area	5	Acres
Road Access for Product and Construction		



### Outputs Generated

Grade AA & IMPCA Methanol (MeOH) 300 Metric Tons Per Day (or 100,182 gallons/day)

Other potential outputs from MeOH-To-Go<sup>®</sup> include – but are not limited to – gasoline and dimethyl ether (DME), depending on customer needs.

### Current Methanol Pricing

Current Average Price of Methanol \$634/MT\*

\*U.S. Contract Index, U.S. Gulf Coast Pricing as of April 19, 2024. Transportation to other parts of the U.S. incur additional costs of \$40-85 per metric ton.

\*1 Production and consumption data depends on actual gas composition.

\*2 Higher N<sub>2</sub> reduces capacity.

\*3 Higher CO<sub>2</sub> maintains capacity at lower energy costs.

\*4 Additional unit can be designed for higher sulfur contents.

\*5 Depends on raw water quality.

\*6 Power can be self-generated if needed.