# Carbon Recycle Technologies



## MAKING GREEN METHANOL AFFORDABLE

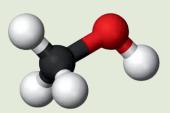
# **CO2 Challenge**

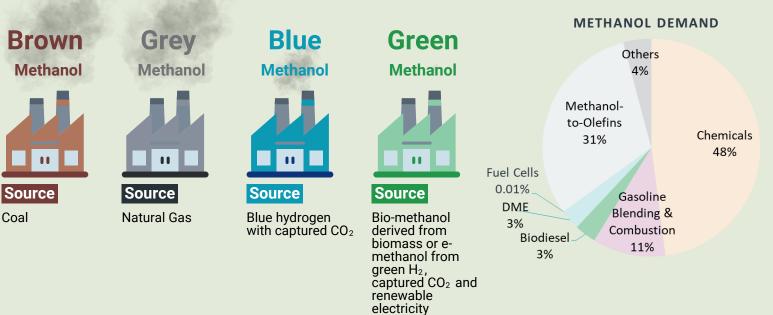
The maritime industry contributes to 2-3% of global CO<sub>2</sub> emissions, and the transition to renewable fuels is a key factor in helping this sector reduce its CO<sub>2</sub> footprint. However, the lack of affordable and abundantly available renewable fuels (e.g., methanol) hampers rapid, global decarbonization efforts.



#### WHAT IS METHANOL?

Methanol (CH<sub>3</sub>OH), also known as methyl alcohol, is the simplest form of alcohol and a key industrial chemical. It is a colorless, volatile, and flammable liquid with a mild alcohol-like odor.





#### **Green Methanol Challenge**

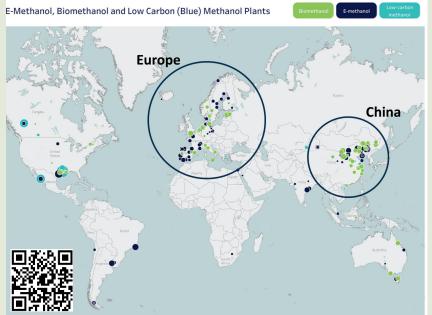
Total methanol supply has breached over 100 million tons per annum today 5x demand for methanol by 2050 to hit 500 million metric tons per annum, mainly driven by the Maritime.



Green methanol (bio-methanol and e-methanol) projects are mainly concentrated in Europe and Asia (China). Lack of supply in East and West Coasts of US and SEA (Straits of Malacca) inhibit rampant adoption of green methanol as a maritime fuel



globalsources.com/knowldege/international-shipping-lanes/



From Methanol Institute

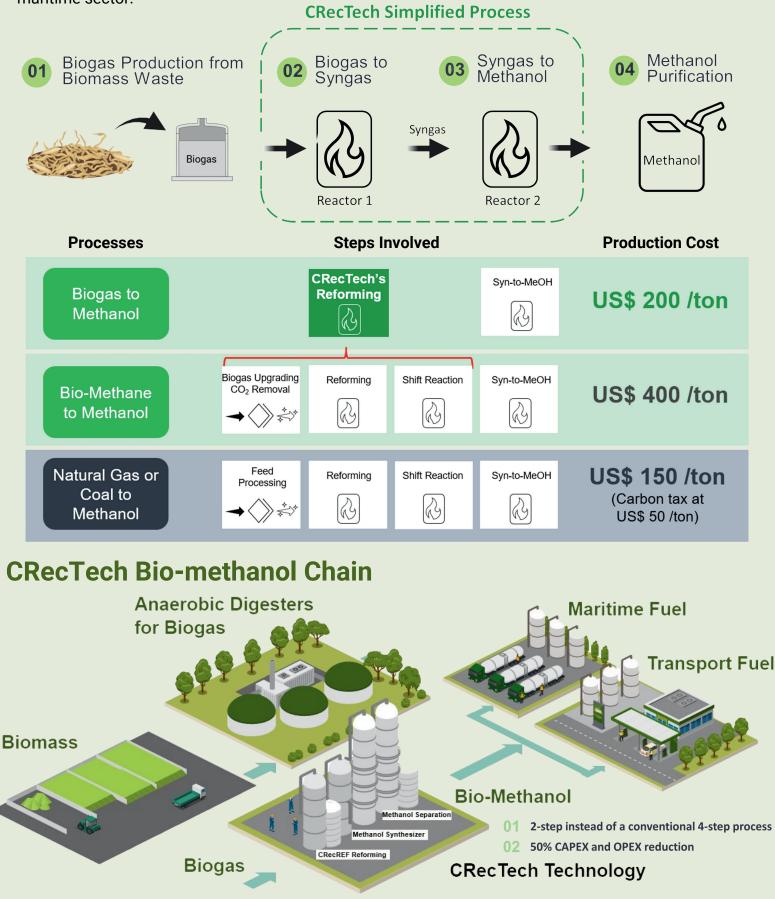




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## **Bio-Methanol Solution**

CRecTech has developed an efficient process to convert biogas into bio-methanol leveraging our novel catalyst technology. Our approach simplifies bio-methanol production from the current 4-step process down to a 2-step process. CRecTech's process significantly reduces production cost of low carbon footprint bio-methanol, making renewable methanol fuel more affordable for our consumers, such as the maritime sector.



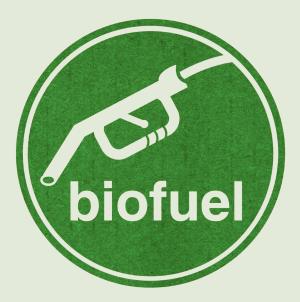
# **Supporting the Advancement of Green Fuels**

**CRecTech has effective solutions for diverse group of individuals and companies** 





#### Technology Provider for Unlocking Greener Fuels and Chemicals



We are inviting partners to collaborate with us in the strategic design, scaling, implementation and funding of our pilot plant, to leverage your expertise and insights to align technical advancements with market demands for renewable methanol

#### **Co-Founders**



CEO

Kok Giap HAW CTO/COO

15+ years in catalytic technology development Experience in translational industrial catalysts

applications

Breakthrough Energy 🍈

Institute of Sustainability

for Chemicals, Energy and Environment

**Key Supporters** 



FOUNDER SG









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