

**Spotlight  
on:  
Green  
methanol**



Methanol ( $\text{CH}_3\text{OH}$ ) is a versatile chemical building block used...

as a fuel



for energy storage



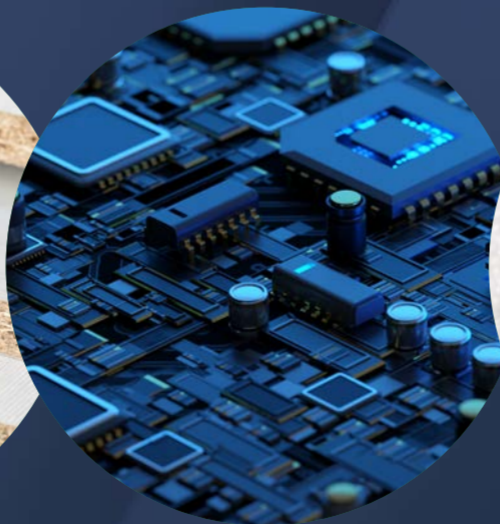
and in industrial processes to make everyday products such as...



Textiles



MDF



Electronics



Plastics

Green methanol is methanol produced from renewable feedstocks including hydrogen and biomethane, meaning it can help decarbonize several hard-to-abate industries.

# Green methanol as a fuel

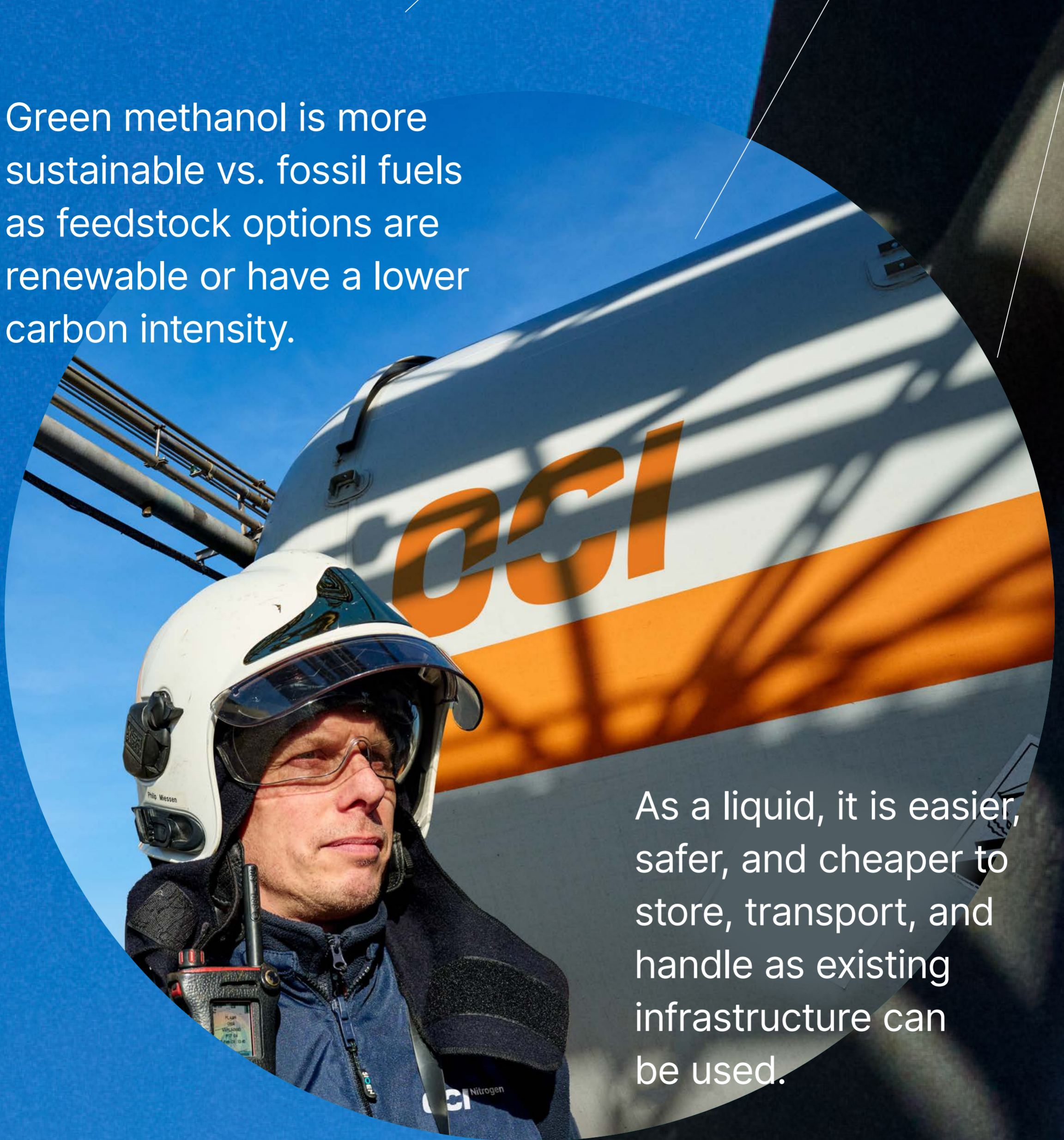
Green methanol can be used as a lower carbon liquid fuel for shipping, road vehicles and fuel cells.


It is a particularly important alternative to fossil fuels in sectors such as maritime which are harder to electrify.



Green methanol is more sustainable vs. fossil fuels as feedstock options are renewable or have a lower carbon intensity.

As a liquid, it is easier, safer, and cheaper to store, transport, and handle as existing infrastructure can be used.





Green methanol is a clean-burning fuel that has less and non-toxic emissions.

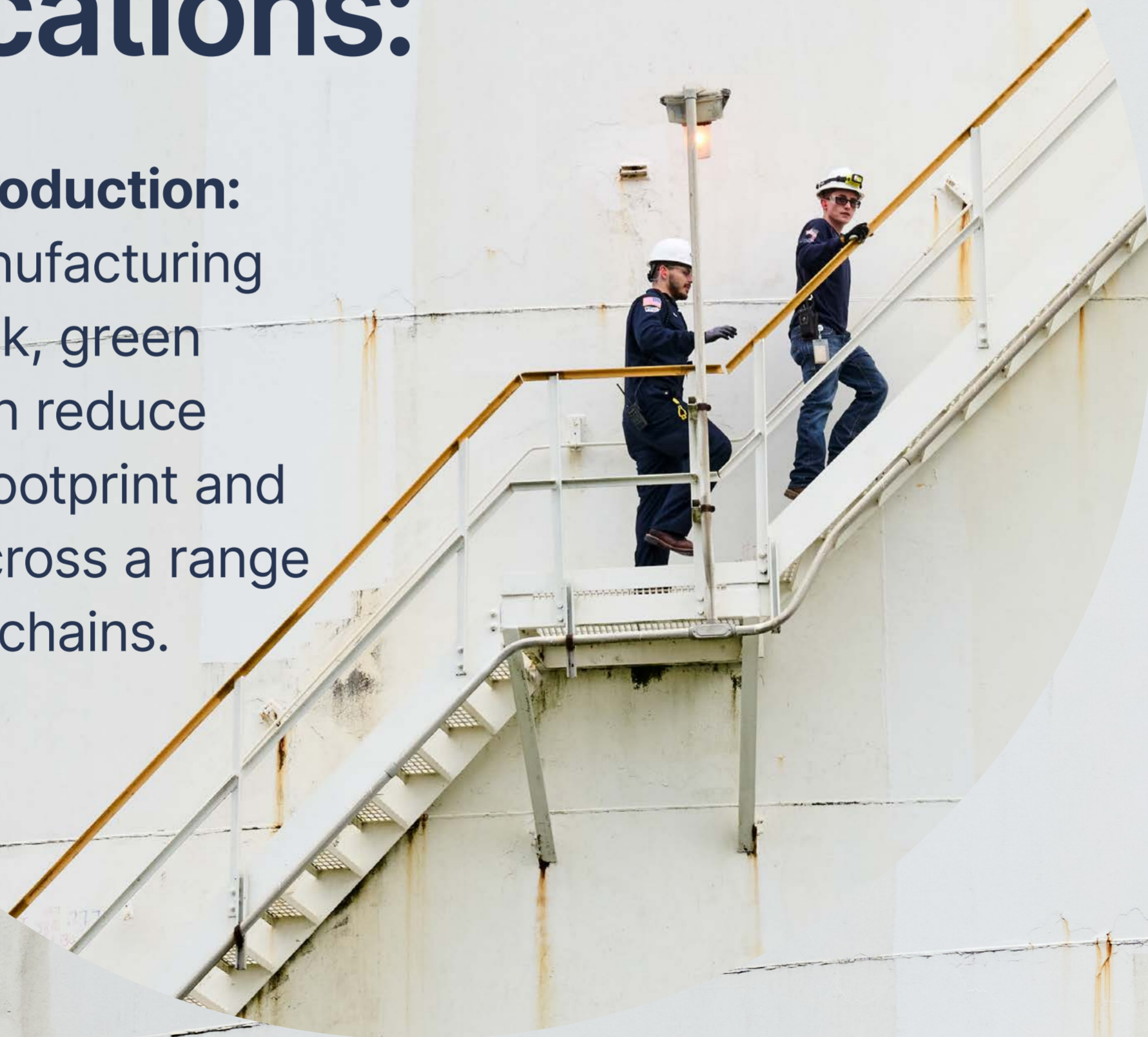
It's highly efficient with an energy density of 15.8 MJ/J (three times higher than compressed hydrogen)

Source: Inner City Fund

It's versatile for use in internal combustion engines or fuel cells.

# Other methanol applications:

**Chemical production:**  
a critical manufacturing  
building block, green  
methanol can reduce  
the carbon footprint and  
emissions across a range  
of key value chains.



## **Industrial feedstock:**

green methanol can help significantly reduce industrial emissions, particularly in the chemical sector which is the largest industrial energy consumer and the third largest industry subsector in terms of direct CO<sub>2</sub> emissions.

Source: IEA

## **Energy storage and hydrogen carrier:**

as a liquid fuel, methanol is a good hydrogen carrier and the use of green methanol unlocks a more sustainable hydrogen economy.





# How can we accelerate the transition?

To realize the potential of green methanol in the energy transition, there are still several things that need to be done including:

- Development of the necessary technology
- Investment in infrastructure
- Securing the product's economic viability through supply and demand.

**OCI Global is committed to being part of the solution, accelerating the transition to more sustainable fuels by investing in the production of more sustainable fuels and helping to support the new regulation and infrastructure needed.**