

MEDIA RELEASE

# Clariant's MegaMax™ catalysts will power China's first biomass-to-green methanol project

- Clariant is collaborating in a China's biomass gasification-to-green methanol project, scheduled to start up in the first half of 2025
- Project will rely on Clariant's high-performance MegaMax methanol synthesis catalyst and will be China's first commercialized biomass gasification-to-green methanol plant
- The catalyst is perfectly suited for green methanol production due to its high activity and enhanced stability

MUNICH, NOVEMBER 27, 2024

Clariant, a sustainability-focused specialty chemical company, today announced that its MegaMax catalyst was selected for a China's biomass gasification-to-green methanol project. The plant will use a combination of farm waste and wind power to produce up to 250,000 tons per annum of green methanol in two phases by 2027. Construction of the first plant phase began in March 2024 and is expected to start producing green methanol in the first half of 2025 as China's first commercialized biomass gasification-to-green methanol plant.

Georg Anfang, Vice President Syngas and Fuels at Clariant Catalysts, commented, "We are very pleased to be part of this groundbreaking project. With over 50 years of expertise in methanol synthesis and a clear commitment to developing innovative catalysts for the energy transition, we are an ideal partner for this prestigious sustainability project. Green methanol will play a crucial role as renewable fuel as well as feedstock for green chemical production."

Clariant's MegaMax is an excellent solution for China's first biomass-to-methanol project, as it provides enhanced stability and tolerance to the fluctuation of the system required for green methanol production. It also offers outstanding activity – even at very low reactor temperatures and pressures. Thanks to the catalyst's enhanced selectivity, production yield is low in by-product formation, significantly improving the economics of green methanol synthesis.

Clariant will provide comprehensive technical service to ensure optimal catalyst performance through its Applied Catalyst Technology (ACT) team of highly qualified engineers and experts. Further support can be provided through the CLARITY™ digital service portal, which offers access to real-time plant data to enhance reliability, safety, and profitability.

Learn more about Clariant's MegaMax catalyst series for [methanol synthesis \(clariant.com\)](https://www.clariant.com/methanol-synthesis).



Clariant's MegaMax catalysts: Driving sustainable methanol production with superior stability and efficiency. © Clariant

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Clariant is a focused specialty chemical company led by the overarching purpose of “Greater chemistry – between people and planet.” By connecting customer focus, innovation, and people the company creates solutions to foster sustainability in different industries. On 31 December 2023, Clariant totaled a staff number of 10 481 and recorded sales of CHF 4.377 billion in the fiscal year for its continuing businesses. Since January 2023, the Group conducts its business through the three Business Units Care Chemicals, Catalysts, and Adsorbents & Additives. Clariant is based in Switzerland.

[www.clariant.com/catalysts](http://www.clariant.com/catalysts)

Building on a 165-year history, Clariant Catalysts is a global and independent manufacturer of energy-efficient catalyst technologies shaping a sustainable future for the chemical industry. We create greater chemistry – between people and planet – by helping to decarbonize our customers’ production processes and scaling up the transition toward zero-emission chemicals and fuels. Through our exceptional R&D and established expertise, our broad portfolio of catalysts and adsorbents provides innovative solutions that range from the oil and gas to the plastic sectors. With more than 2 000 employees at 31 locations, our high-performing teams collaborate with partners and customers across our global footprint.

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