

MEDIA RELEASE

Clariant's MegaMax™ 900 catalyst: Powerful start at European Energy's e-methanol plant

- European Energy successfully started up their e-methanol plant in Kasso, Denmark, using Clariant's MegaMax 900 catalyst
- The Power-to-X plant is one of the world's first and currently largest commercial e-methanol production facility
- MegaMax 900 catalyst is perfectly suited for green methanol production due to its high activity and enhanced stability

MUNICH, APRIL 3, 2025

Clariant, a sustainability-focused specialty chemical company, today announced the successful startup of its MegaMax 900 methanol synthesis catalyst at European Energy's e-methanol plant. Located in Kasso, Denmark, the facility is one of the world's first and, up to now, largest commercial e-methanol plant, using biogenic CO₂ and green hydrogen to produce up to 42,000 tons of green methanol annually. Clariant's Applied Catalyst Technology (ACT) technical service team provided on-site support throughout the startup procedure, overseeing the catalyst loading, reduction, and startup. MegaMax 900 is operating with excellent activity and stability despite the challenging conditions of CO₂-to-methanol conversion.

Georg Anfang, Vice President Syngas and Fuels at Clariant Catalysts, commented, "We are excited about the successful startup of European Energy's pioneering e-methanol plant. The project is an important milestone in deploying and upscaling green methanol production and we are proud that our catalysts are already producing sustainable methanol at commercial scale. At Clariant, we are committed to catalyzing the energy transition – not only tomorrow but starting today."

Anders Brendstrup, Vice President at European Energy, added, "We are thrilled to have produced one of the world's first e-methanol at our Kasso facility. This is a pivotal moment on the journey that started four years ago. We thank Clariant not only for providing their high-performance methanol synthesis catalyst but especially for their comprehensive on-site support. We look forward to continuing this successful partnership in future projects."

European Energy was founded in 2004 with the goal of driving the green transition and developing sustainable, fossil-free energy solutions. The multinational company has major investments in solar and wind energy projects, as well as Power-to-X and carbon capture technologies.

Clariant's MegaMax 900 is an ideal solution for European Energy's Power-to-Methanol project, as it provides the enhanced stability required for green methanol production. The catalyst also offers outstanding activity – even at very low reactor temperatures and pressures. Moreover, MegaMax is very well suited for CO₂ to methanol process conditions delivering high conversion rates and long catalyst lifetime. The catalyst's superior selectivity also widely prevents the formation of by-products in the yield, which greatly improves the sustainability and economics of green methanol synthesis.

Learn more about Clariant's [MegaMax methanol catalyst series](#).



Clariant's MegaMax catalysts excel in green methanol production thanks to their exceptional activity and stability. © Clariant



European Energy's Power-to-Methanol plant in Kasso, Denmark. © European Energy

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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 2024, Clariant totaled a staff number of 10 465 and recorded sales of CHF 4.152 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

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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