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At GreenX Technology Ltd, we have developed a **patent-pending, chromium-free catalyst technology** (UK Patent Application Number GB2504372.0) to advance the water-gas shift (WGS) reaction, a crucial step in hydrogen production.

Unlike conventional chromium-based catalysts, our formulation is **non-toxic and environmentally friendly**, making it safer for both operators and end-use applications. The catalyst delivers excellent performance across a wide temperature range (200–500 °C), covering both low-temperature and high-temperature WGS conditions. In testing, it maintained strong catalytic activity and even improved over time, with CO conversion approaching the equilibrium limit after 24 hours of continuous operation.

This innovation provides a safe, reliable solution for industries seeking efficient WGS catalysts to accelerate the transition toward clean hydrogen, sustainable fuels, and zero-carbon energy.

If you are interested in this technology or potential collaboration opportunities, please contact us at GreenX Technology Ltd.

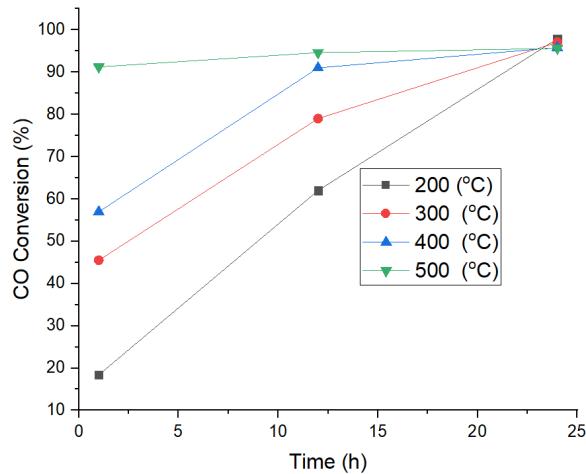


Figure. Catalytic performance of the WGS catalyst tested at 200 °C, 300 °C, 400 °C, and 500 °C, with each temperature maintained for 24 hours