

## Design and development of furans bio-based new materials

First FDCA metric ton contract in China

**Our Mission:**  
Develop Bio-based New Material,  
Contribute to the Carbon Peak and  
Carbon Neutrality Targets

**Our Vision:**  
Biomass Change Lives

**Our Core-Value:**  
Intergrowth and Common Prosperity

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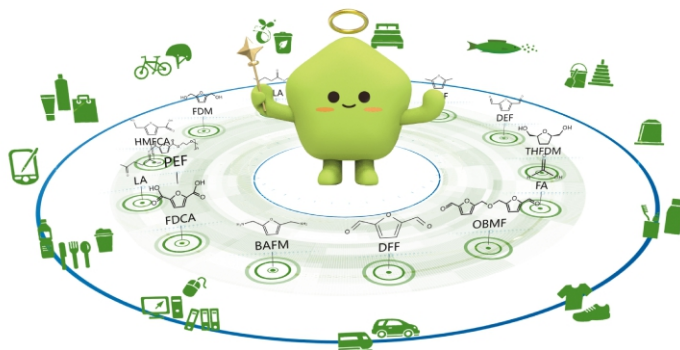
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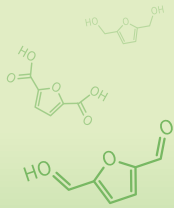
## About Us

Zhongke Guosheng (Hangzhou) Technology Co., Ltd (hereinafter referred to as GS Biotech), was founded in July 2021, is a high-tech enterprise specialized in the design and development of furans bio-based materials. Core team members graduated from the Dalian Institute of Chemical Physics, Chinese Academy of Sciences, who have nearly 20 years of research foundation and industrialization experience in the field of biomass catalytic conversion and furan-based material design and development. GS Biotech technology takes the leading position globally.

GS Biotech has successfully pioneered the HMF continuous production process globally. By implementing the unique process package of specific catalysts and solvent system, GS Biotech has achieved high-efficiency and low-cost transformation of HMF, and solved the bottleneck hurdle of HMF downstream applications, promoting the large-scale production of downstream derivatives such as FDCA, THFDM and OBMF.

GS Biotech plans to integration of AI technology and automated high-throughput synthesis technology, accelerating the development and application of HMF and downstream derivatives. GS Biotech strives to contribute to the Carbon Peak and Carbon Neutrality targets based on biotech, fulfilling it's corporate vision of Biomass change lives.





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## Pioneered the HMF continuous production process globally

## Successfully achieved FDCA hundred metric ton mass production

GS Biotech has got through the whole product chain from HMF monomers to downstream derivatives. We have built up a bio-based new material industrialization platform, with an annual production capacity of 500-1,000 tons of HMF, 100 tons of FDCA and more than 10 tons of PEF, fulfilling the whole product processing chain from bio-based raw material to HMF, FDCA and PEF, etc.

