

**From Ambition to Infrastructure: The Industrial Imperative for Hydrogen and Syngas**

Dr. Timm Kehler, Bengt Bergt

Die Gas- und Wasserstoffwirtschaft e.V.

**Abstract**

Europe's energy and climate ambitions are clear – but ambition alone will not build infrastructure, secure competitiveness, or safeguard industrial value chains. Hydrogen and syngas are not niche topics for future scenarios; they are critical elements in a robust industrial policy for the present. While electrification plays a vital role in the energy transition, it cannot decarbonise all sectors. Molecules are indispensable where electrons reach their limits – in high-temperature processes, chemical feedstocks, and energy-dense applications. This keynote will explore the strategic role of gaseous molecules in preserving Europe's industrial core and closing the gap between political vision and infrastructure reality.