



Hydrogen Europe and DVGW launch pyrolysis report

During the European Hydrogen Week, Hydrogen Europe published its latest report entitled **Pyrolysis: Potential and possible applications of a climate friendly hydrogen production**, in collaboration with the German Technical and Scientific Association for Gas and Water (DVGW).

The report provides a comprehensive overview on pyrolysis, from the discussion of the basic concept to the advantages over conventional methods of hydrogen production. Filled with contributions and interviews from European experts, entrepreneurs and innovators from the market, the report is a thoroughly collaborative product. Professionals from across the value chain share their perspectives on the needs of the hydrogen market in the context of decarbonising Europe and how pyrolysis – and other thermochemical conversion processes, such as thermolysis combined with gasification – contribute to this.

The European Commission highlighted in the REPowerEU Communication the need for the European Union to become energy independent from Russian fossil fuels. This joint Hydrogen Europe and DVGW publication builds upon it and highlights the potential of alternative, yet currently mostly overlooked, energy sources such waste, wastewater, sewage sludge, biomass and green gases that are underutilised but available today. The report, which also includes life cycle emissions calculations showing that hydrogen from pyrolysis is clean and can even be carbon negative, argues for a technology-neutral approach to hydrogen, which will provide airtime to lesser-known production methods such as pyrolysis a chance and enables their development and contribution to the energy transition.

Stephen Jackson, Chief Technology & Market Officer at Hydrogen Europe, said: *“We are extremely proud of the work put into this report covering a fascinating and until now undervalued portion of the hydrogen value chain. Turquoise hydrogen made from pyrolysis is an efficient, clean – potentially even carbon negative - and cost-effective production method that, if properly deployed, will play an important role in growing the hydrogen market and achieving our energy-transition goals.”*

„In the next two decades we must replace fossil through climate friendly molecules. To do that we must use all options.“ added Prof. Dr Gerald Linke, Chairman of the Board of DVGW.