



Refineries and Hydrogen

Oil and gas, refining and chemical sectors



Recent announcement regarding REFHYNE and Shell's Wesseling refinery in Germany

The Clean Refinery Hydrogen for Europe (REFHYNE) project has successfully concluded at Wesseling, Germany, to celebrate and learn from the development and operation of this 10MW PEM electrolyser.



This groundbreaking initiative was the largest operational PEM plant demonstrated the viability and potential of green hydrogen production in a refinery at an industrial scale. It is an opportunity to show prospective customers our electrolyzers operating in an active refinery setting.

The achievement, which saw much of the work take place during the global pandemic, highlight the dedication of all partners involved

Shell, SINTEF, Sphera and ERM. Data gathered from REFHYNE proves ITM's market-leading stack performance and operational flexibility.



The electrolyzers will continue to provide Shell's refinery with green hydrogen long into the future. The demonstration project has been supported with €10 million from the Clean Hydrogen Partnership

In my region, the North West, Steam Methane Reforming 'Blue' Hydrogen technologies are being incorporated into one of the UK's largest refineries at Stanlow.



Charley Rattan Associates
Wind and hydrogen consultancy and training

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