

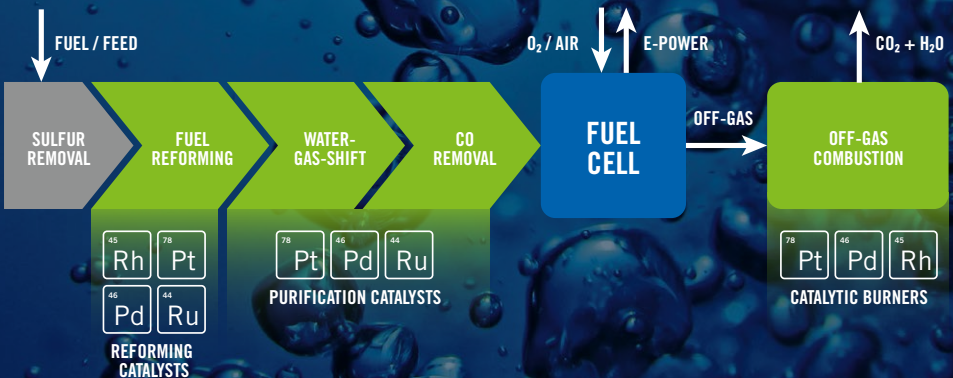
CATALYTIC SOLUTIONS TO BOOST THE FUEL CELL OPERATION

Hydrogen-based technologies for power generation, such as fuel cells, are expected to play a major role in the transition towards a more sustainable and circular economy.

Heraeus Precious Metals and Hulteberg Chemistry & Engineering are jointly developing in a strategic partnership a variety of catalysts that are required for the operation of fuel cells.

The portfolio consists of catalysts for the

- ▶ (pre-)reforming of hydrocarbons
- ▶ generation of syngas (H_2/CO) via catalytic partial oxidation (CPOX)
- ▶ purification of syngas via water-gas-shift (WGS)
- ▶ preferential oxidation (PROX) and selective methanation reactions to yield pure hydrogen (H_2)
- ▶ tail-gas combustion



Depending on operating conditions, base metal catalyst solutions are available to complement the precious metals catalyst offering.

Interested in learning more? Visit our website herae.us/balance-of-plant or contact us directly: chemicals@heraeus.com

