

Hydrogen generation

Hulteberg C&E has over the years been involved in research, development and demonstration of hydrogen generation. A number of catalysts have been developed and are part of the HUCAT family.

Saturation of hydrocarbons

Saturation of alkenes and alkynes
Low temperature
High temperature tolerance

Pre-reforming

Converts long-chain hydrocarbons to methane
High activity

Catalytic partial oxidation

High temperature stable support material
Tailored active phase depending on application

Steam reforming

Converts both methane and heavier compounds
Multiple potential materials depending on feedstock and operating window.

Water-gas shift

Medium temperature shift
Metal & ceramic support

Preferential oxidation

Preferential oxidation of CO
Remarkable selectivity
Low reverse water-gas shift activity

Tail-gas combustion

Efficient heat recovery
Conversion of lean mixtures to carbon dioxide and water