

Current: Traditional Catalytic Converters



Future: Catalytic Hollow Fibre-Based Converters

Novel catalytic hollow fibre-based catalytic converter, designed following a bottom-up approach: i) catalyst tailoring, ii) single unit, iii) bundle of units.

Cross-section view



The Solution

Compared to the traditional catalytic converter, catalytic hollow fibre-based converters have: i) a longer **lifetime**, ii) greater **design flexibility**, iii) enhanced **mass transfer** behaviour and iv) are **cheaper**.