



SPIRE-05-2015

MEMERE

Full Title: MEthane activation via integrated MEmbrane REactors

Aim:

The key objective of the MEMERE project is the design, scale-up and validation of a novel membrane reactor for the direct conversion of methane into C₂H₄ with integrated air separation.

Concept:

The focus of the project is on the air separation through novel MIEC membranes integrated within a reactor operated at high temperature for OCM allowing integration of different process steps in a single multifunctional unit and achieving much higher yields compared with conventional reactor.

Start date:

01/10/2015

End date:

30/09/2019