THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION HORIZON 2020

YARA

SINTEF

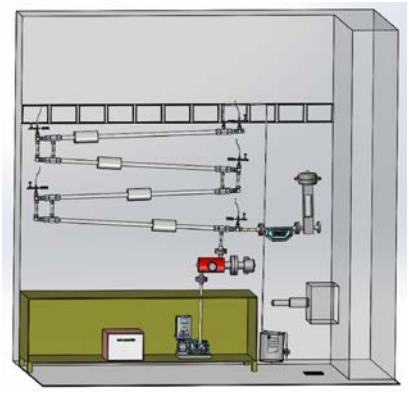
SPIRE
Sustainable Process Industry through Resource and Energy Efficiency

20 Sept / 9 AM

Skjærgården Hotel, Porsgrunn, Norway

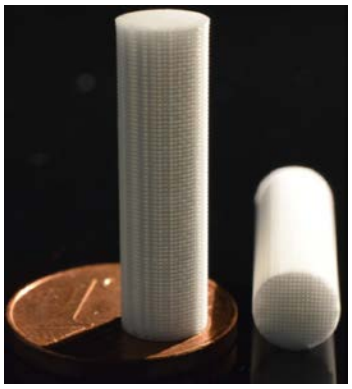
PRINT CR3DIT

DISSEMINATION DAY: DEMO OF FIRST 3D PRINTED CATALYSTS



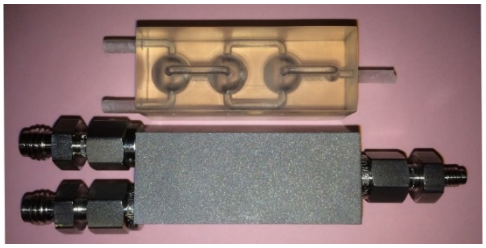
Visit to demonstrator unit at Herøya park

You will see the demonstrator with 7.5m of 3D printed catalyst. First attempt to catallytically convert NO to NO_2 for nitric acid production.



Results from two other applications using 3D printed catalysts

You will see results from two other hydrogenation applications that were tested in the project for which demonstrators were also built.



3D printing for the chemical industry

Based on our results, we will give an overview of the advantages and opportunities that 3D printing can bring to the chemical industry.

ARKEMA · Johnson Matthey · Linde · PRODINTEC · CANOE · ACM · SICAT · BIOSYNTHIS · amtech high throughput technology · U.PORTO

PRINTCR3DIT: PROCESS INTENSIFICATION THROUGH ADAPTABLE CATALYTIC REACTORS MADE BY 3D PRINTING

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Date: 20th September 2018		
Location:	***Location: Skjærgården Hotel. Stathelleveien 35, 3970 Langesund, Norway***	
Time	**Topic**	**Responsible**
9:00-9:15	General overview of PRINTCR3DIT project	Carlos Grande (SINTEF)
9:15-9:45	Presentation of SPIRE	Nicolas Segebarth (EU)
9:45 – 10:15	Demonstration of the performance of 3D printed hydrogenation catalysts in specialty monomers synthesis	Jean-Luc Dubois (Arkema)
10:15 – 10:45	3D printing applied in production of fine-chemicals used in cosmetics	Julien Magne (Biosynthis)
10:45 – 11:15	3D printing applied in nitric acid production used for manufacture of fertilizers	David Waller (Yara)
11:15 – 11:30	Extension of 3D printing concept to other industries	Carlos Grande (SINTEF)
11:30 – 11:45	Presentation of Yara	Yara
11:45 – 12:15	Lunch	
12:15 – 14:15	Visit to demonstrator in Herøya park	David Waller (Yara)
14:15 – 14:30	Return to meeting point and end of meeting	