

LAUNCH

Project no 299662, ACT – Accelerating CCUS technology

The overall objective of LAUNCH is to accelerate the development and qualification of novel capture solvents by establishing a fast-track, cost-effective de-risking mechanism to predict and control degradation.

Universities and research centres

TNO innovation for life

SINTEF

The University Of Sheffield

NTNU

Los Alamos NATIONAL LABORATORY EST. 1943

THE UNIVERSITY of EDINBURGH

TEXAS The University of Texas at Austin

Technology providers

DOOSAN

biobe

End users/test sites

RWE

AVR.

Advisory Board Members

INTERNATIONAL CCS KNOWLEDGE CENTRE

中英 (广东) CCUS 中心 UK-China (Guangdong) CCUS Centre

MITSUBISHI HEAVY INDUSTRIES

Twence

BASF

ION ENGINEERING

SHELL

TOTAL

Carbon Clean Solutions

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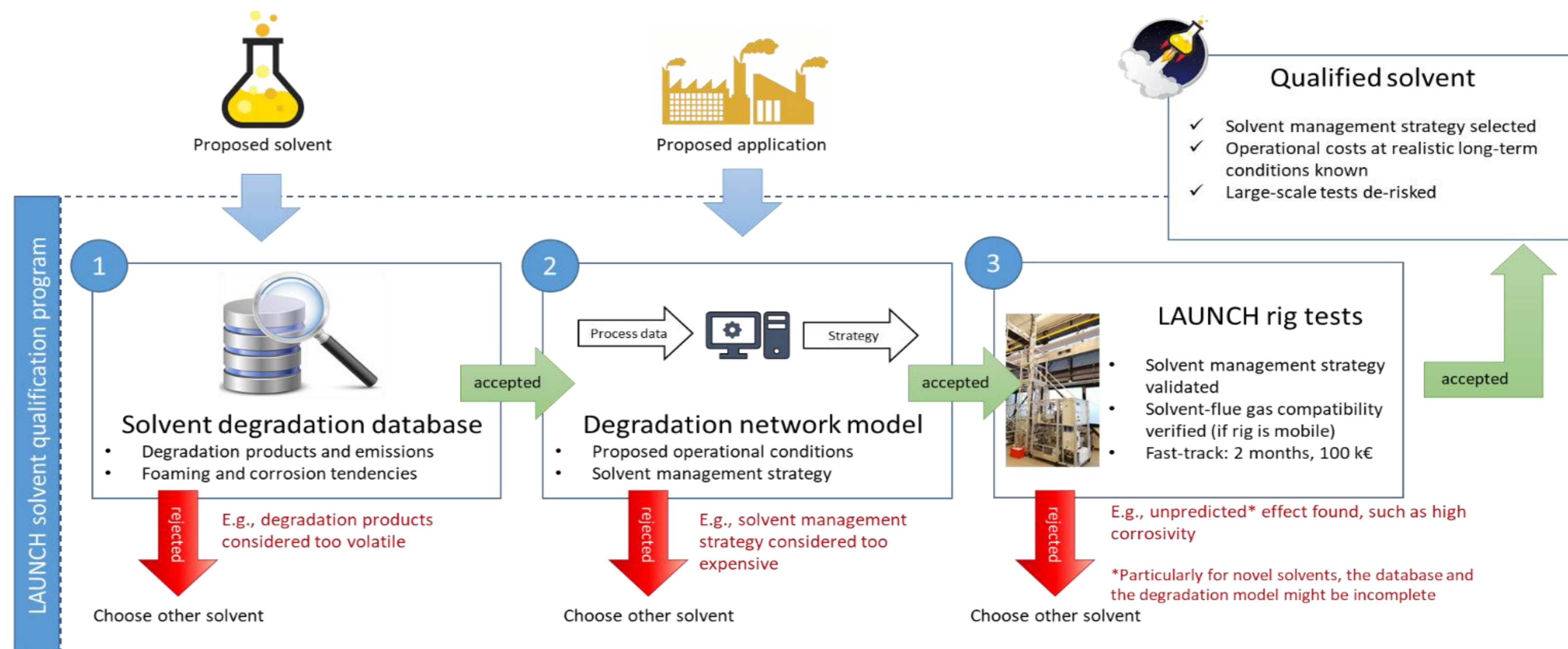
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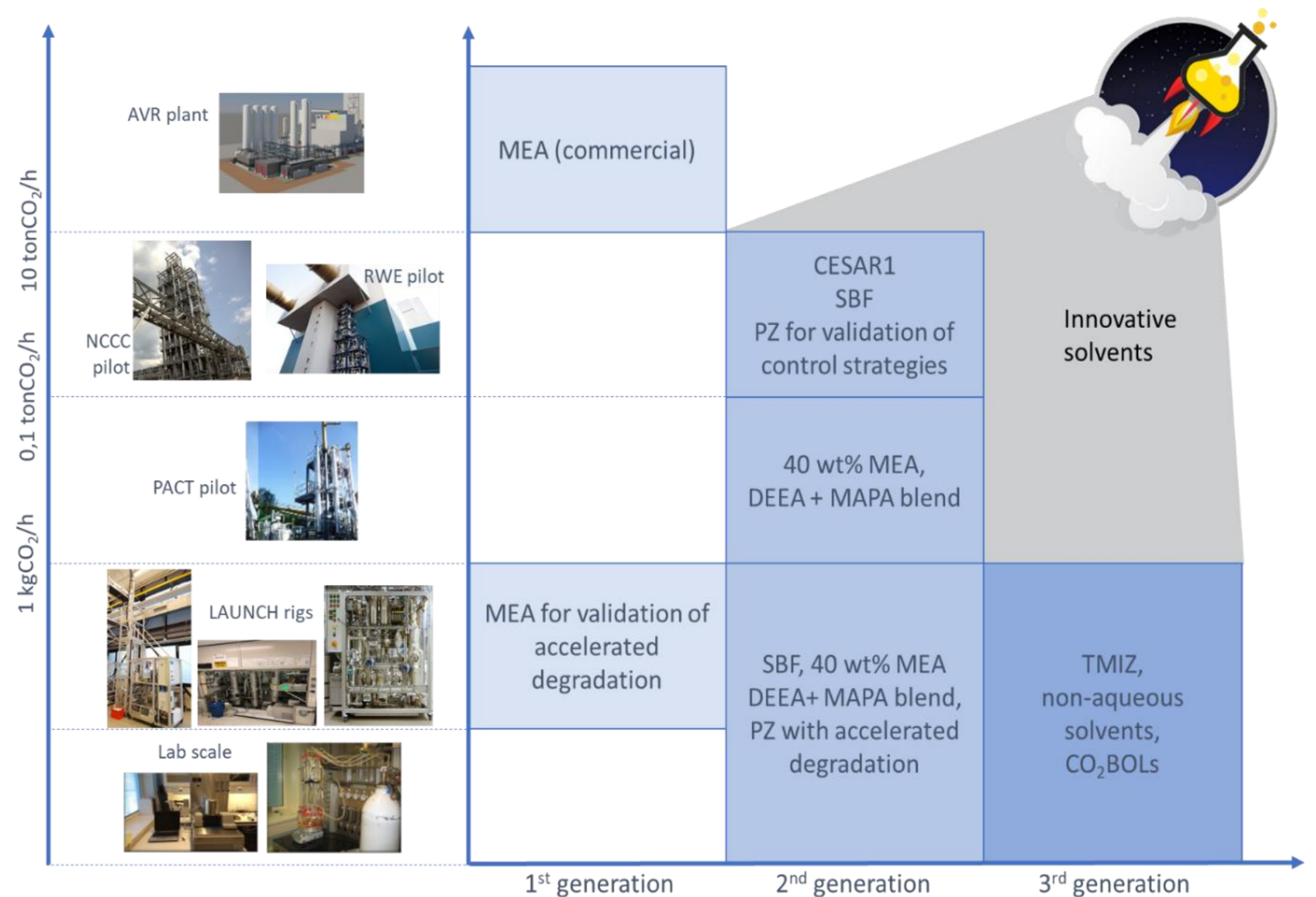
Accelerating CCS Technologies

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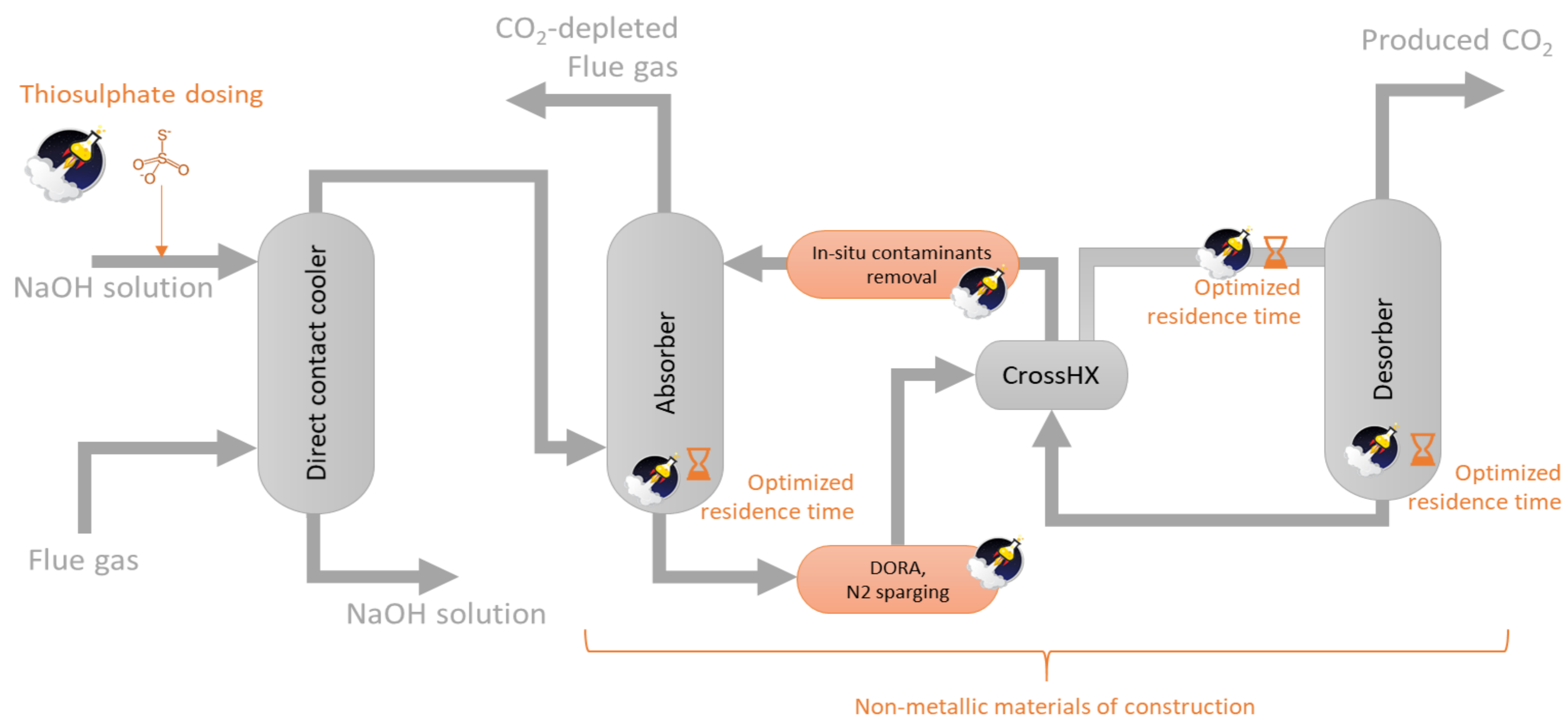
Within LAUNCH, we will develop, validate and demonstrate the LAUNCH solvent qualification program, making use of multiple scales test facilities: lab experiments, LAUNCH rigs (up to 1 kgCO₂/h), 3 pilot facilities (up to 0,4 tonCO₂/h) and a commercial plant (0,4 tonCO₂/h). Solvents of 1st, 2nd and 3rd generation are included in the test program, representing multiple chemistries.



The LAUNCH Qualification program



Solvents tested in LAUNCH



Schematic representation of technologies developed within LAUNCH