



Could we capture CO₂ on board?

NCE Maritime Cleantech, 21st of January 2020

We are young but experienced



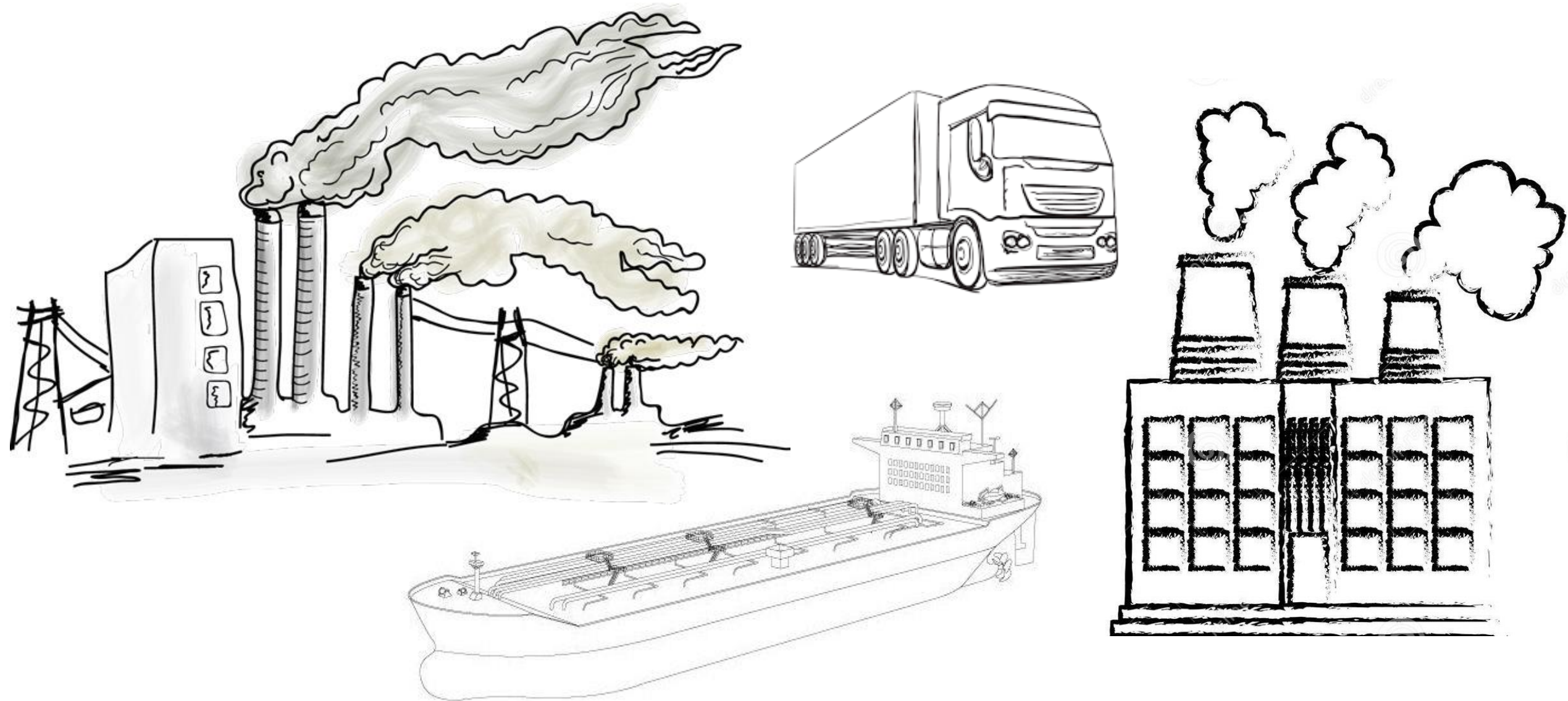
NOMINATED FOR THE TOP6 - GREEN AWARDS 2019
 To include every possible aspect of GREEN tech we opened the categories and gave them a new perspective.



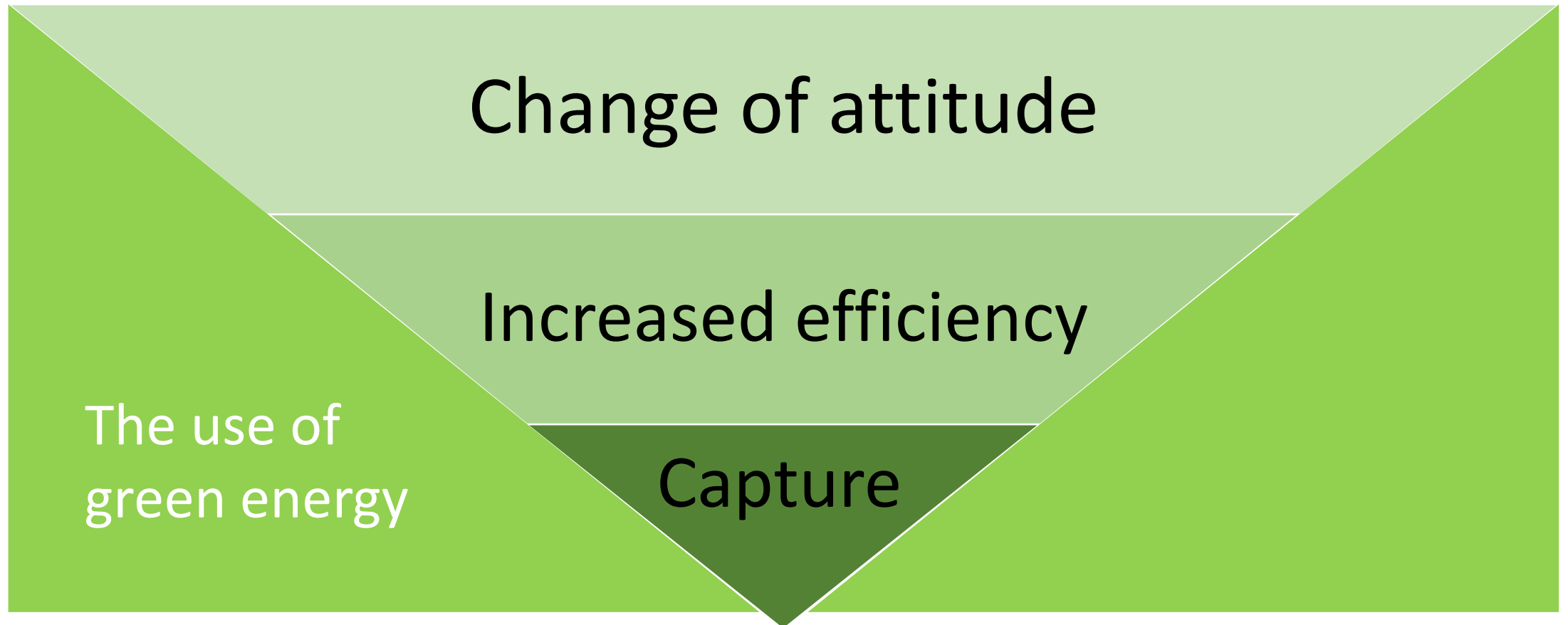
OGCI @OGCInews · 18 m
 Pitch #5: Compact Carbon Capture aims to commercialize the rotating 3C technology, which introduces high G-forces to CO2 capture. Developed with partners, this increases capture speed, allowing for a 90% ↓ in the size of the absorption & desorption columns
[#CCUSDay2019](#) [#CCUS](#)



Man made emissions sums up to 36 bill tonne CO₂/year



How do we reduce CO₂ emissions?



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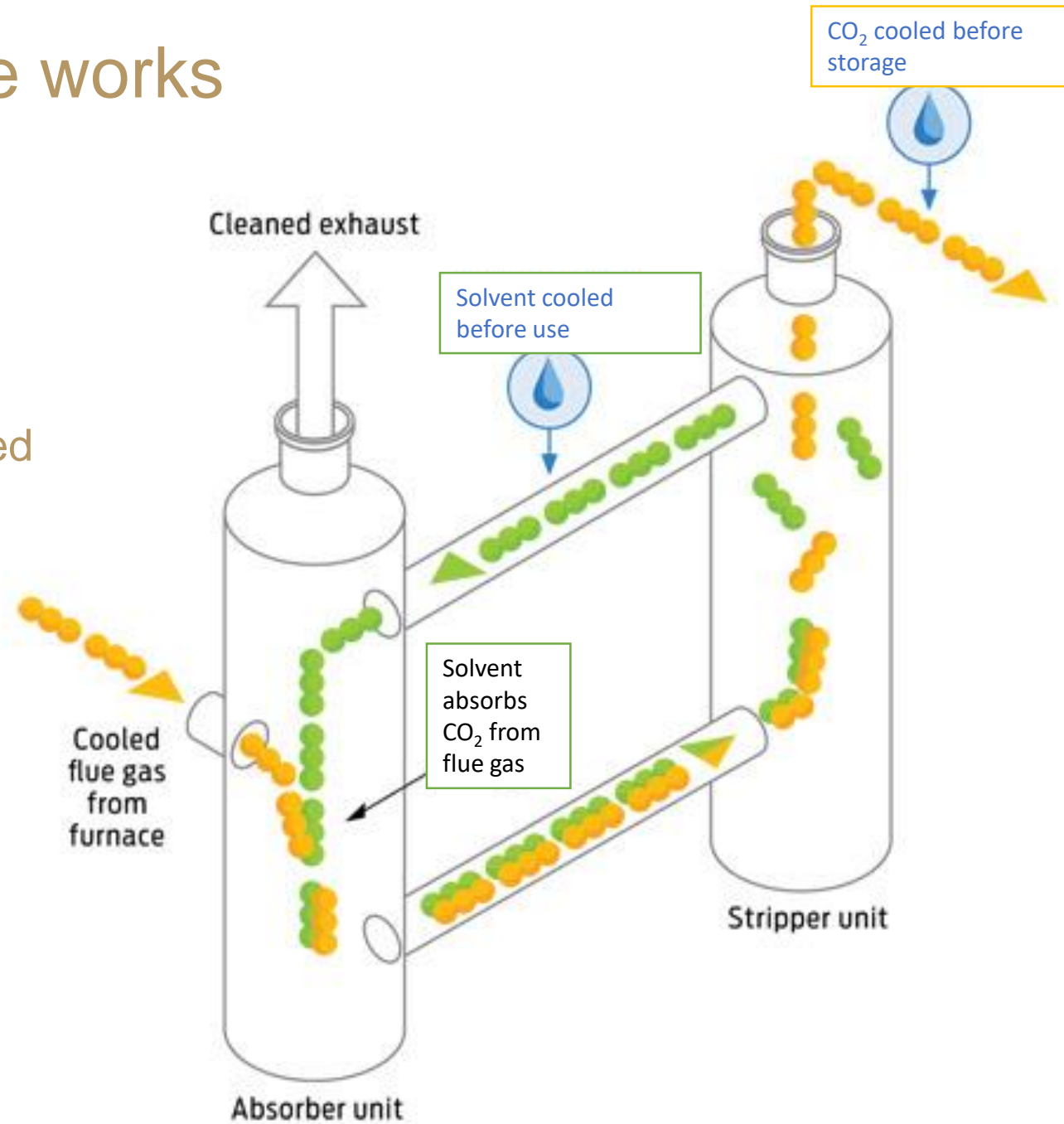


850

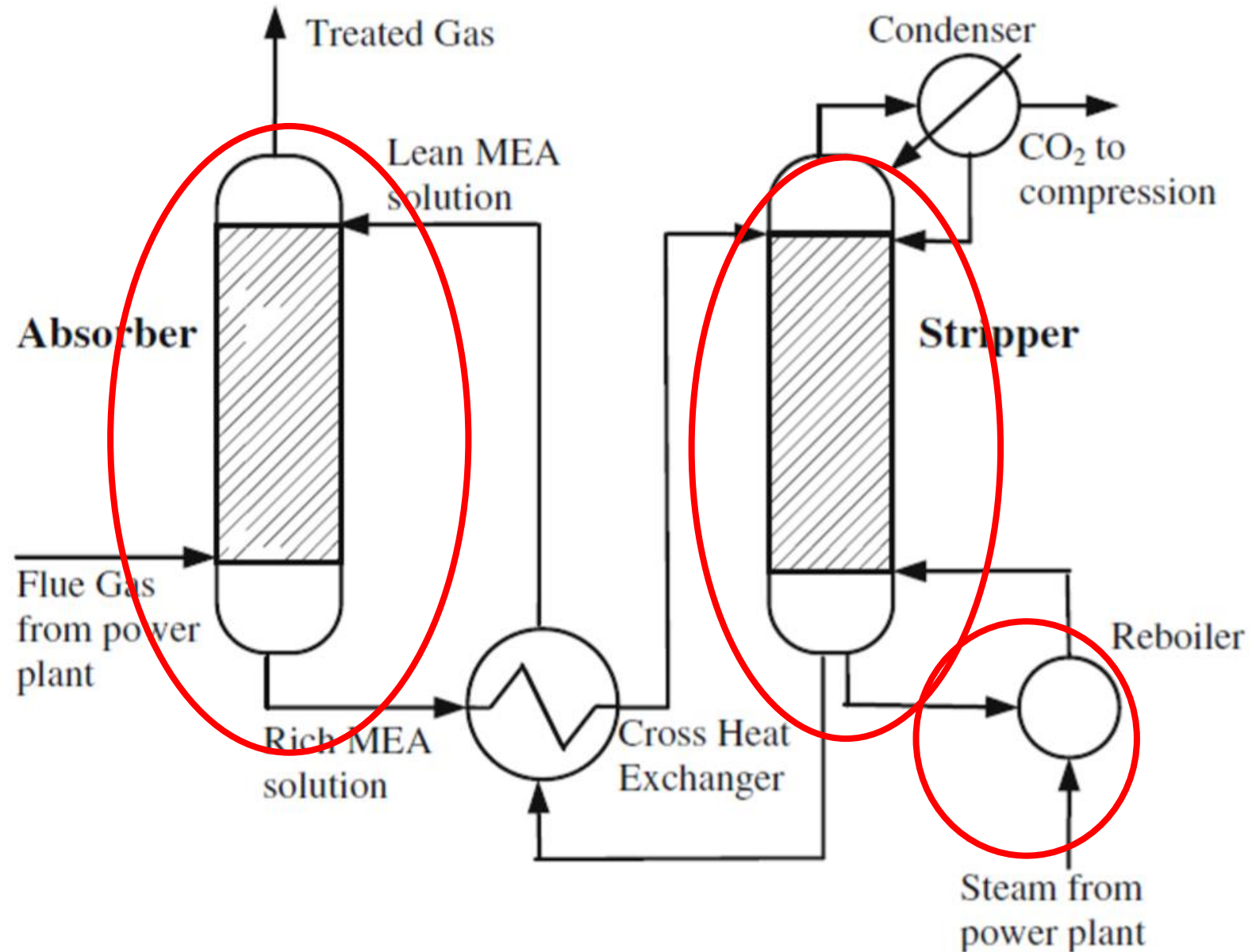
How CO₂ capture works

Capture by chemical solvent

Loop process – solvent reused



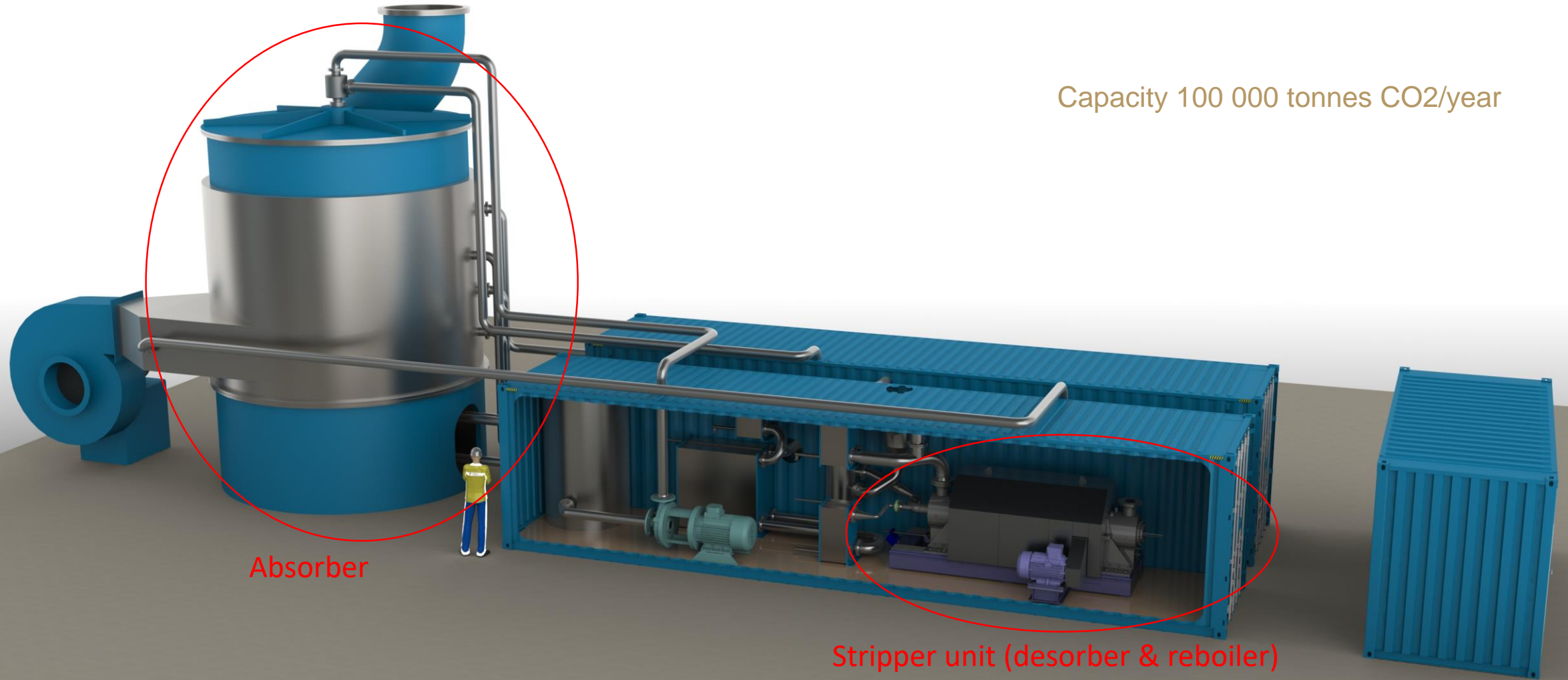
How 3C capture works – radical change in main units





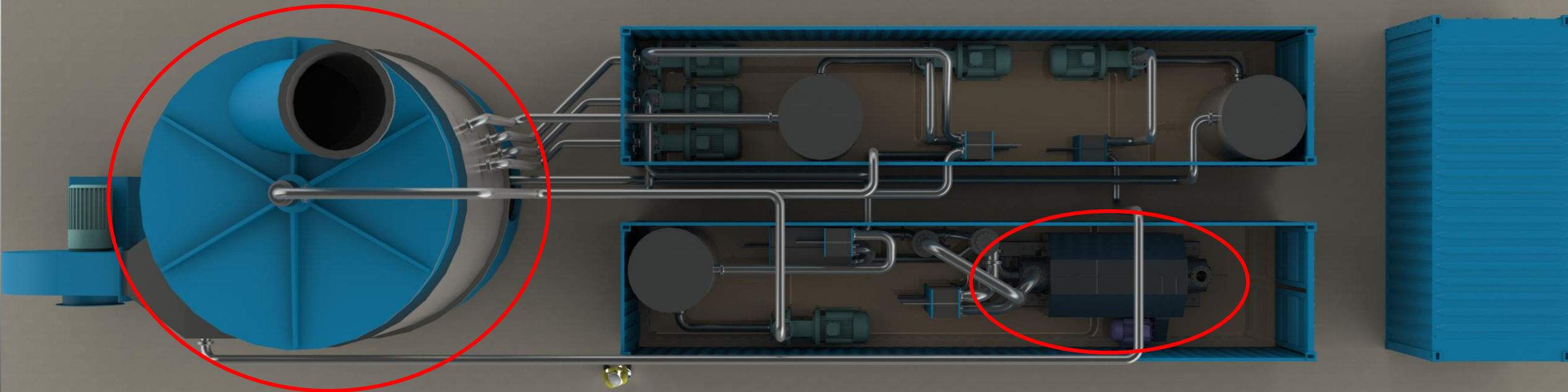
A model of 3C in industrial scale

Capacity 100 000 tonnes CO₂/year

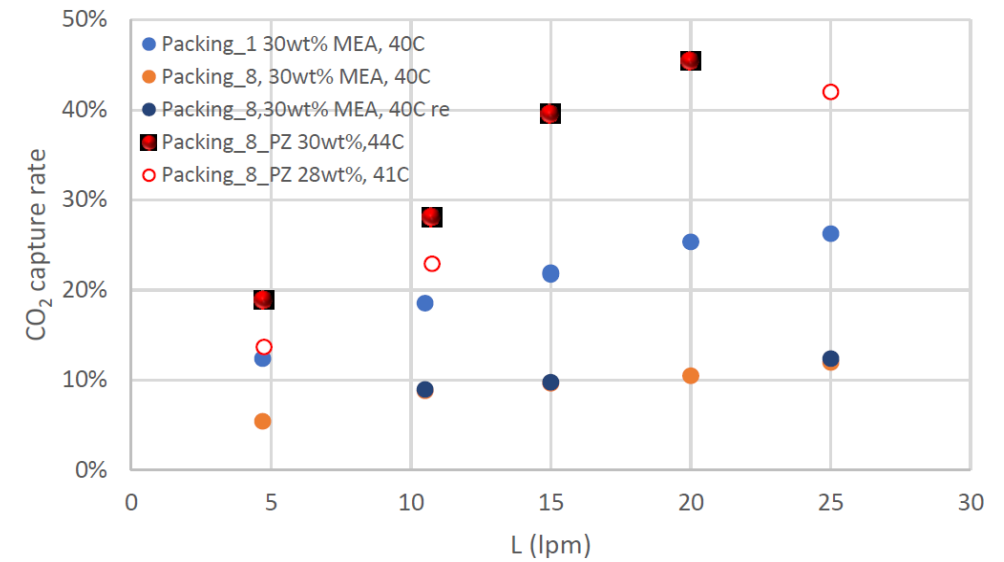


Compact capture for offshore installations

- Capacity and size to treat the off gas from offshore 25MW gas turbine
- Main units Dimensions:
 - Absorber 5 m diameter and 8 m total height, weight estimate 105 tons
 - Stripper unit 2x2x4 m, weight estimate 10 tons



The technology is extensively tested in lab



The patented RPB absorber lab test rig at USN/SINTEF testlab in Porsgrunn, Norway

The Currently tested pilot is indicating maritime sizes



What about fitting them on ships?

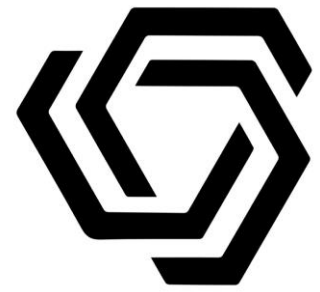


Entering the market through experienced flue gas treatment companies

Planned for a feasibility study in 2020

Potential demo in 2022

Potential market readiness in 2023



COMPACT CARBON
CAPTURE

*Catching
for
the future...*

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