



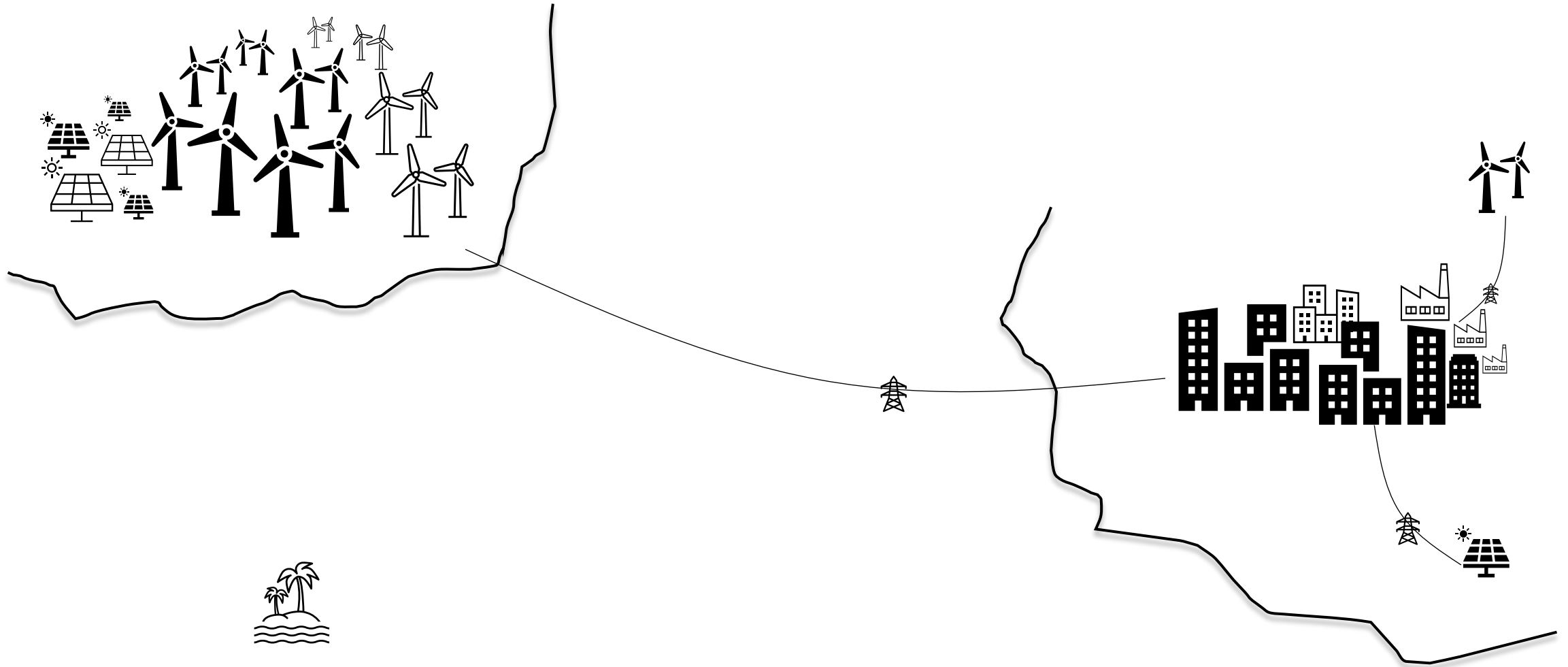
H₂ SITE

Membrane reactors for H₂ generation

On-site hydrogen
solutions

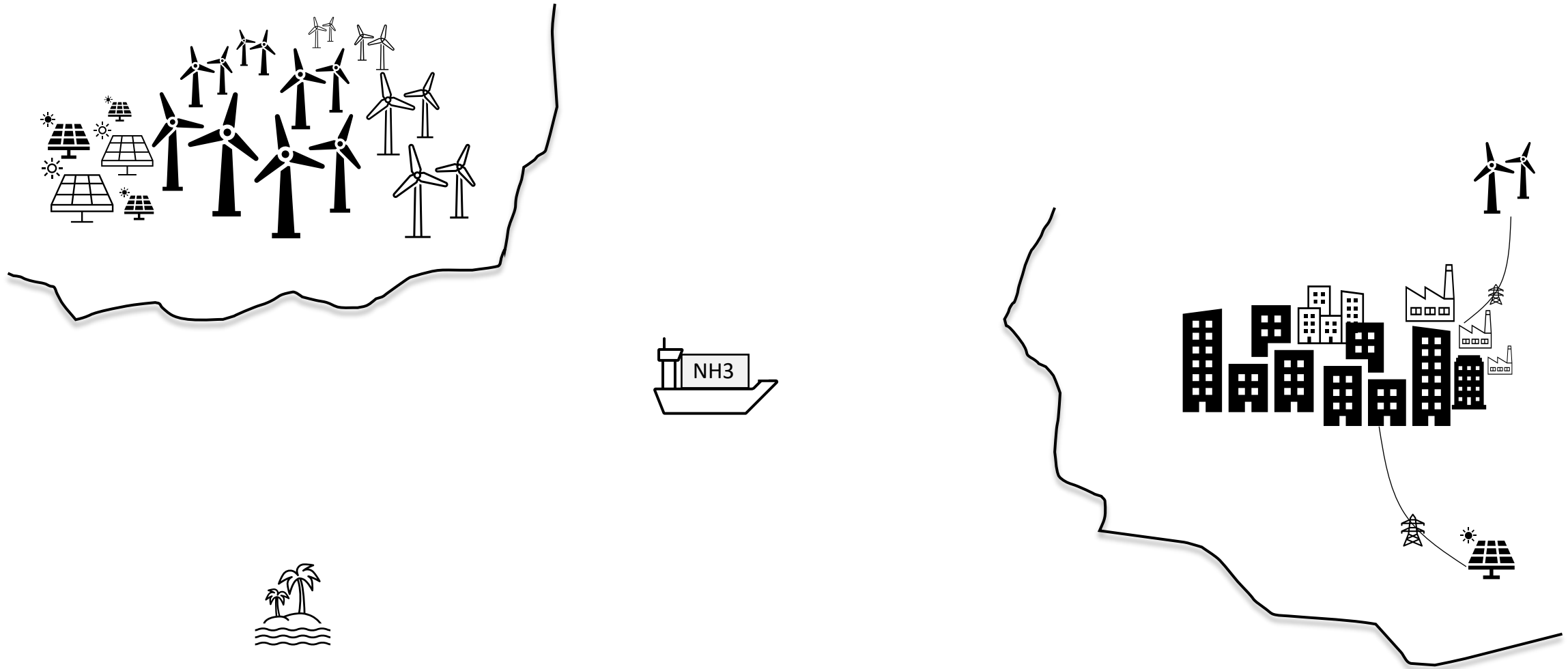
MOTIVATION

Why ammonia cracking?



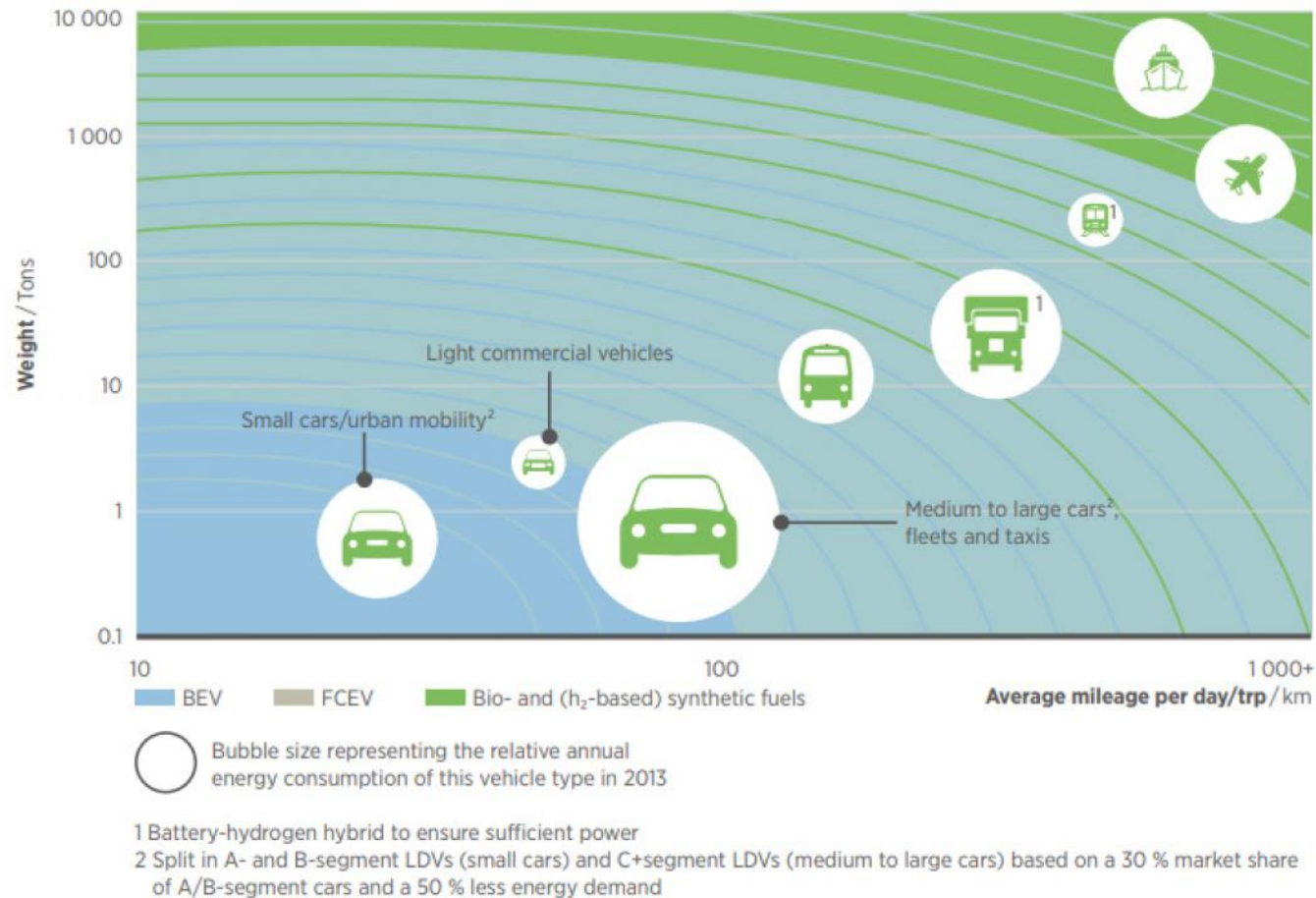
MOTIVATION

Why ammonia cracking?



MOTIVATION

Why ammonia cracking?



Source: Ammonia to Green Hydrogen Project. Feasibility Study, UK's Department for Business, Energy and Industrial Strategy (BEIS).



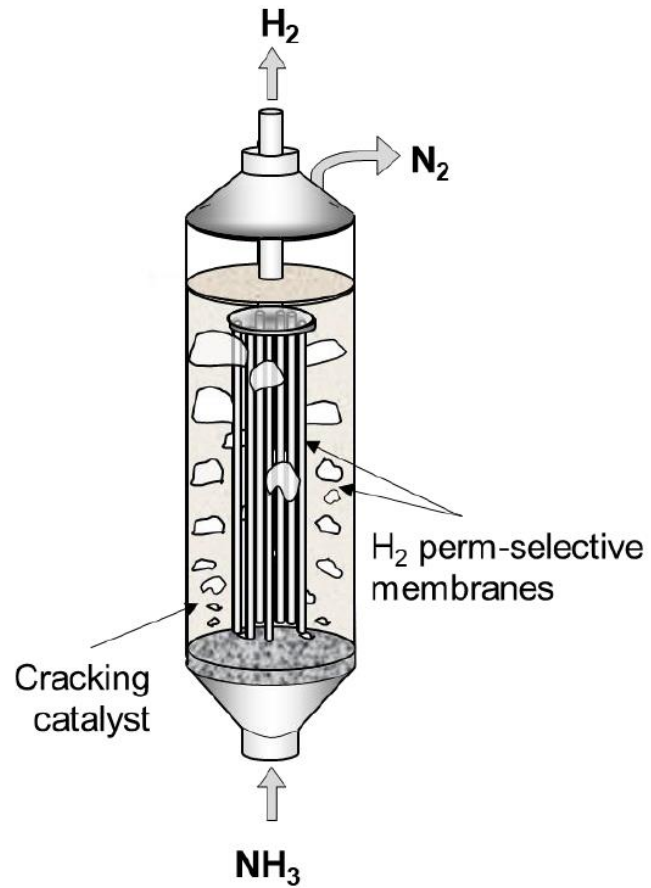
2019 – lab scale testing
NH3
TRL 5
[paper](#)

2022 – medium
NH3, DME, formic acid
TRL 9



2020-2021 – small
NH3
TRL 8
no paper published yet





MARKET OUTLOOK

Looking for Partners to develop new POC

SHORT TERM

MID TERM

LONG TERM

POCs

Full Size

1st Of A Kind

POC

LARGE

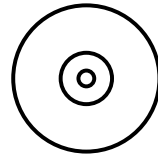
Inland MOB

Marine MOB

POWER

97.5%

H2 recovery



Compact &
containerized solution



Fuel Cell purity
hydrogen suitable
for MOB
applications per
ISO 14687



Short term goal:
up to 4ton/day
(larger units will
follow)



H2 SITE

Membrane reactors for H2 generation

**THANK YOU FOR YOUR
ATTENTION**

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