FEADSHIP

Superyacht Sustainability

Giedo Loeff | 25 April 2019 | DUAL ports

START
PRESENTATION

FEADSHIP

We design, engineer, build, service and refit unique yachts of the finest quality and take pride in providing our clients with an amazing experience during the build and at sea

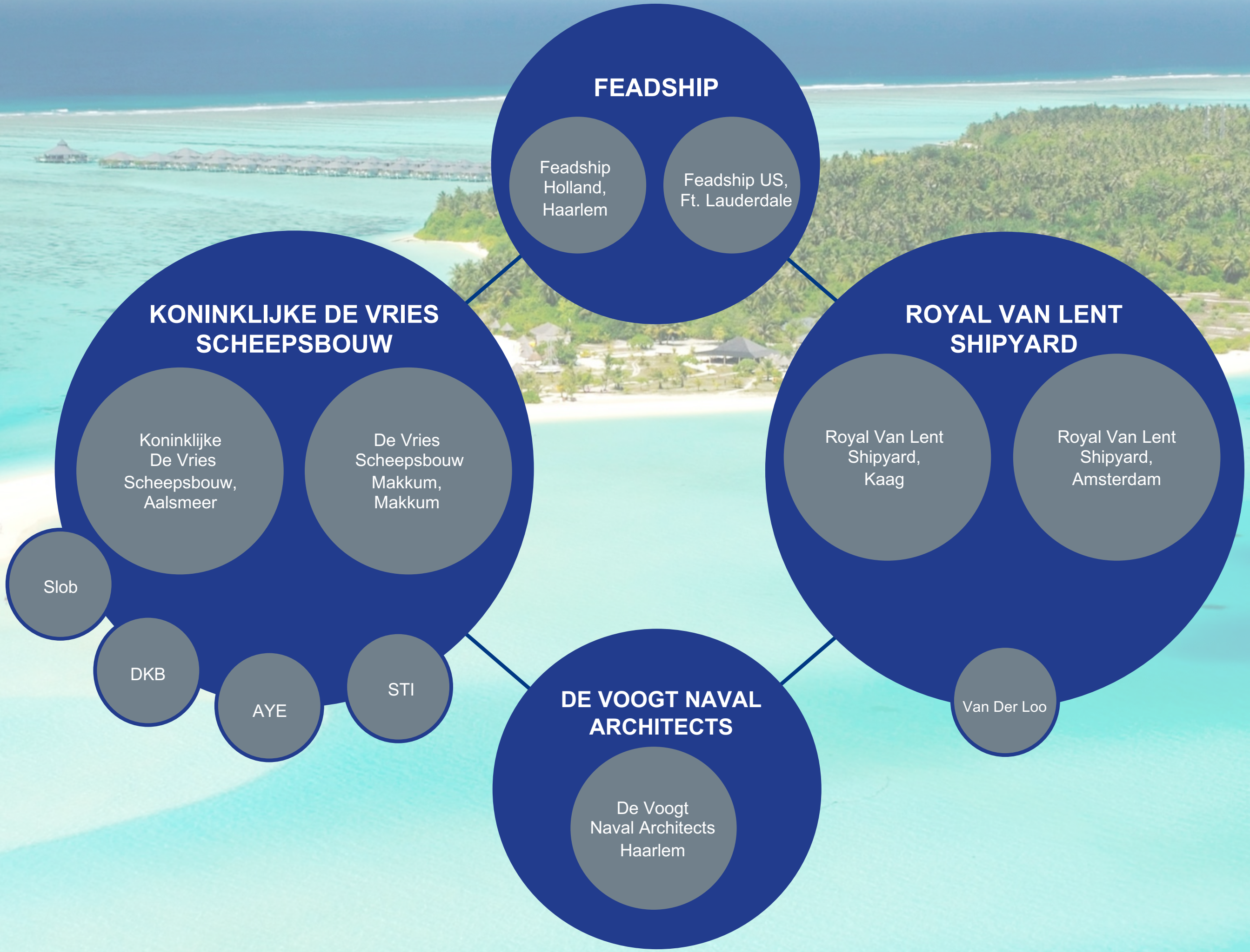
De Vries - Aalsmeer

De Vries - Makkum

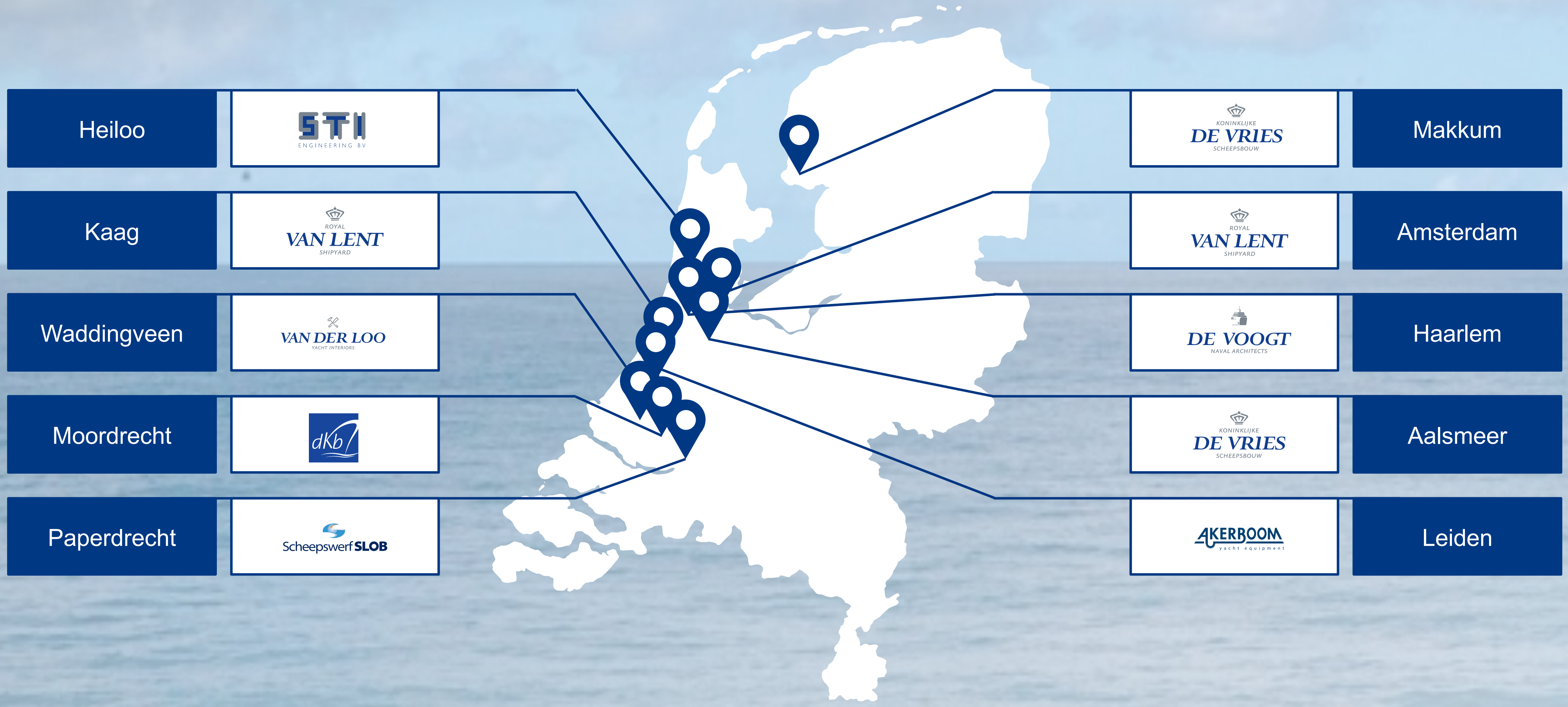
Van Lent - Kaag

Van Lent - Amsterdam

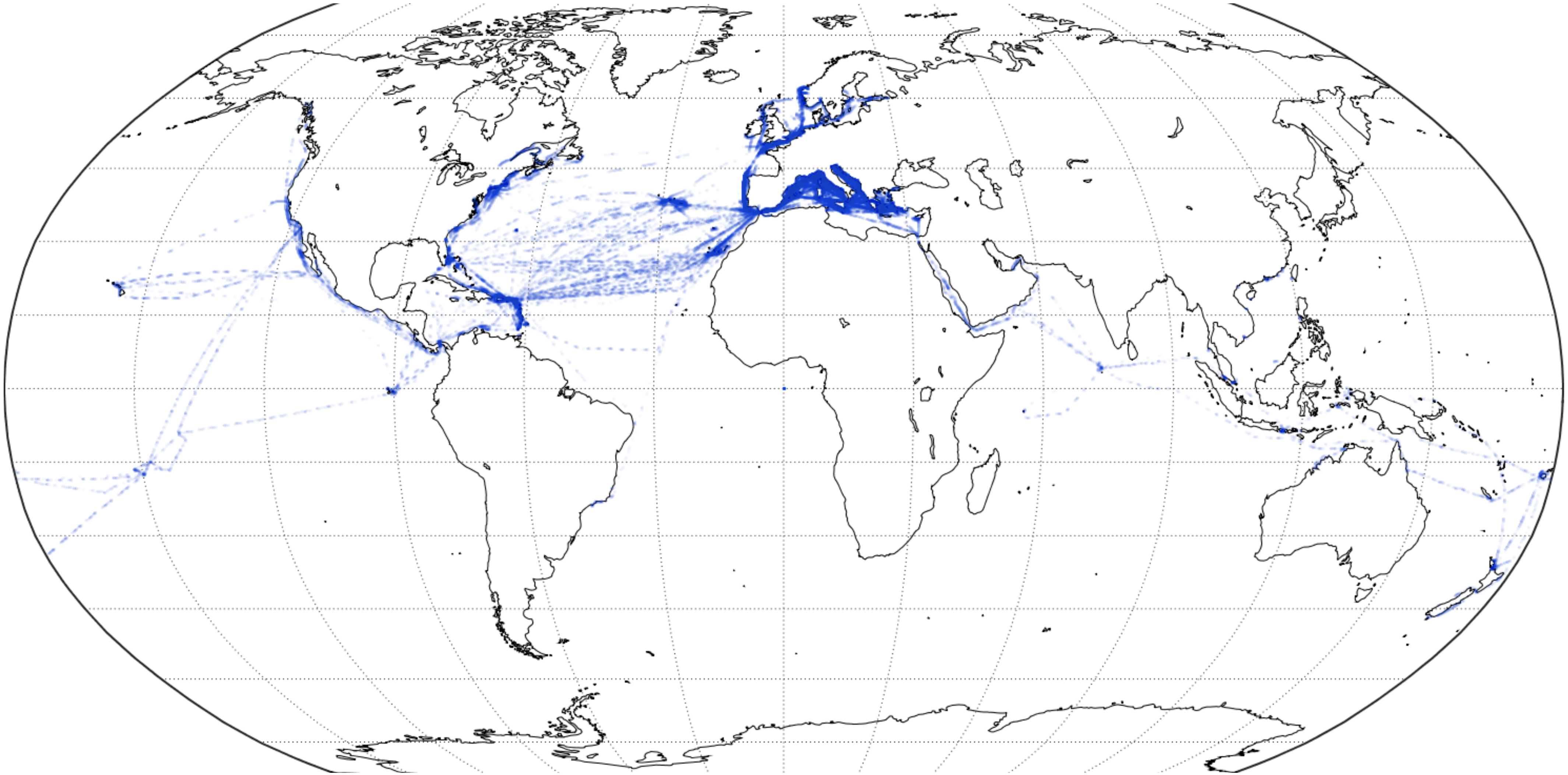
FEADSHIP ORGANISATION



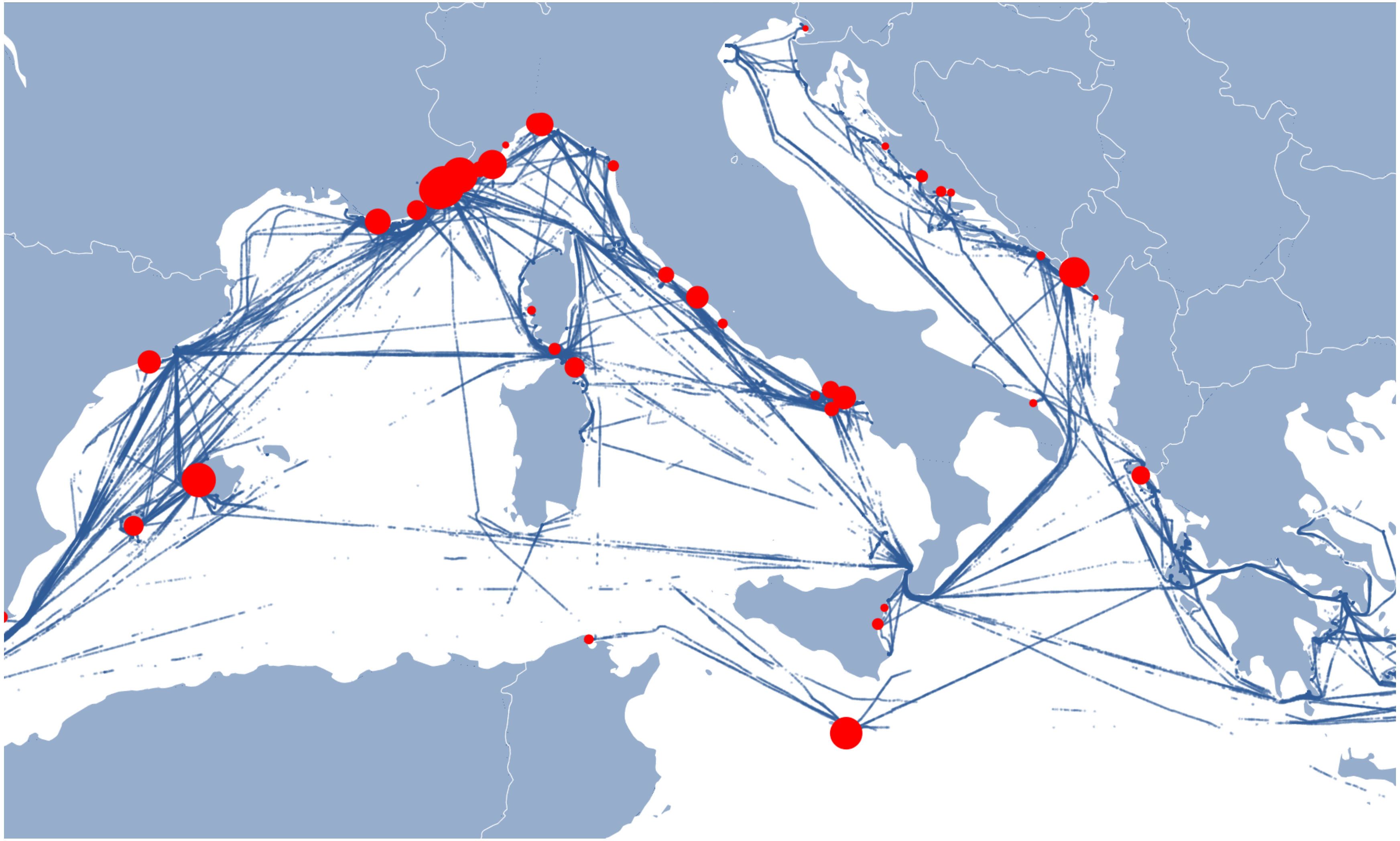
FEADSHIP GROUP



SUPERYACHT OPERATIONS



SUPERYACHT OPERATIONS



SUPERYACHT SUSTAINABILITY

SUPERYACHT SUSTAINABILITY

WHY?

FEADSHIP STRATEGY

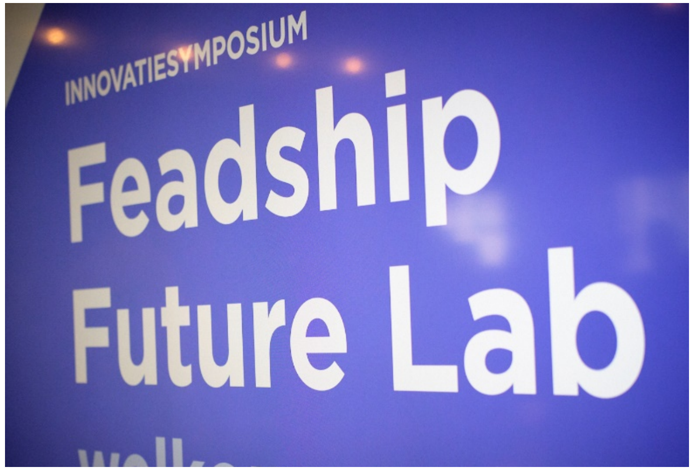
Collective vision

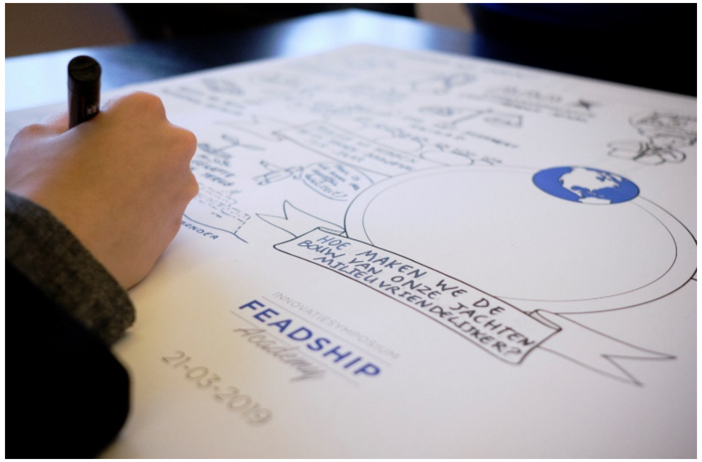
Ideation

Goal definition

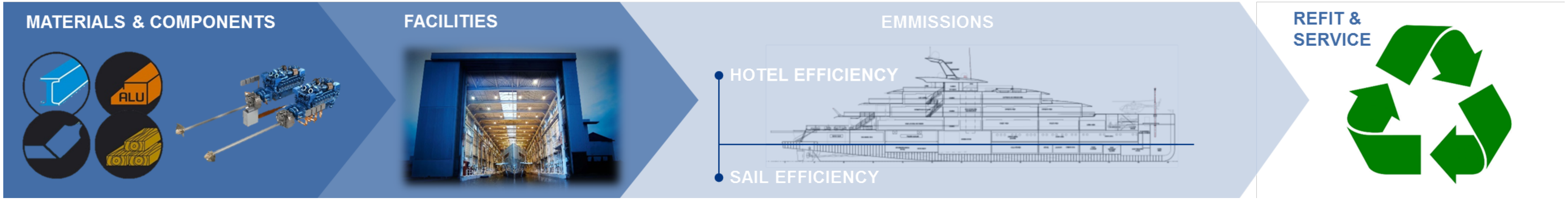
Identification of pathways

Collaboration





FEADSHIP STRATEGY



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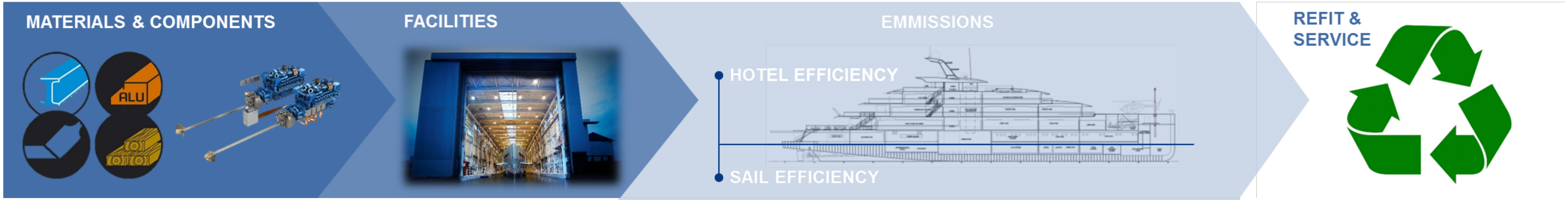


Efficiency > adequate proportioning, use and system innovations

Energy carriers > well-to-tank evaluation, hybrids, design integration, infrastructure and availability

Emissions > GHG, particles, waste, anti-fouling and noise

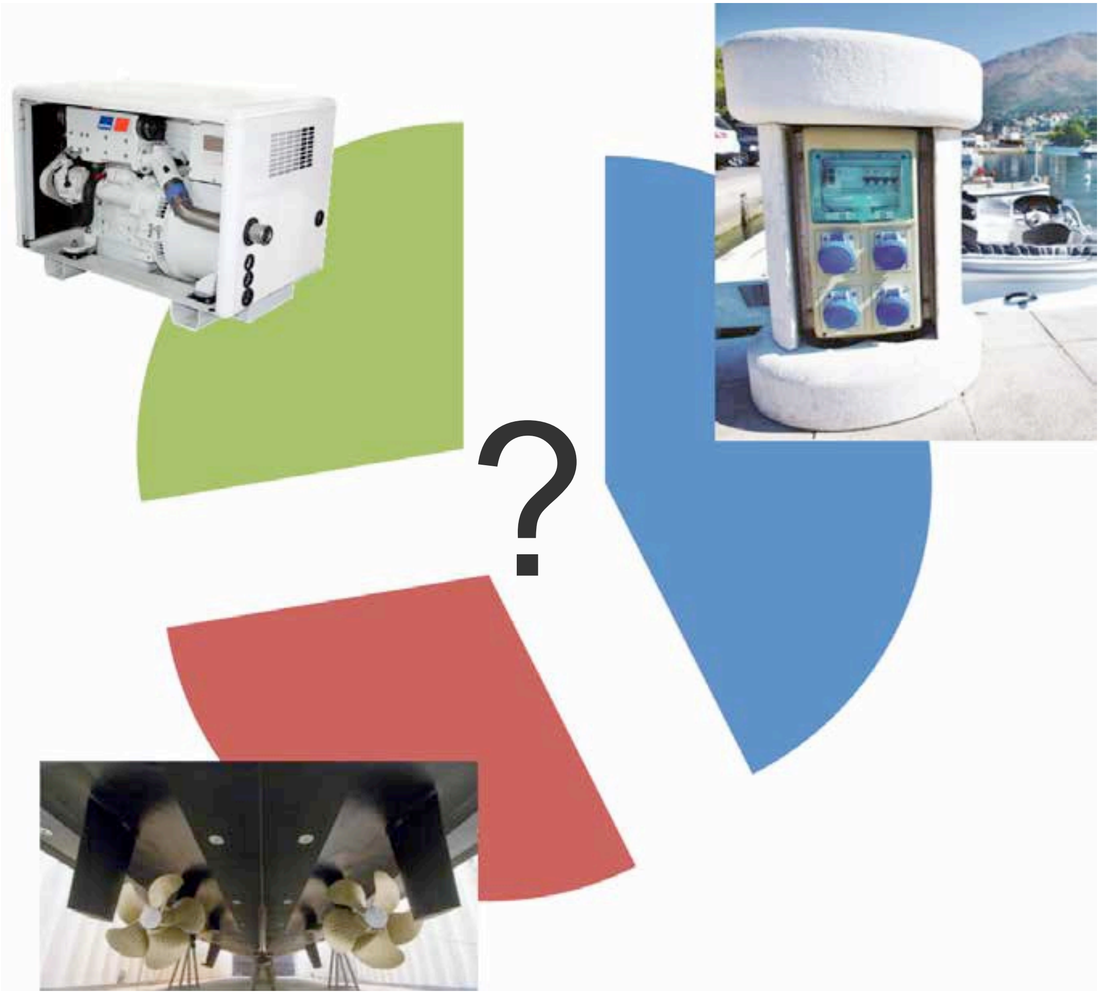
Materials > sustainable materials, LSA

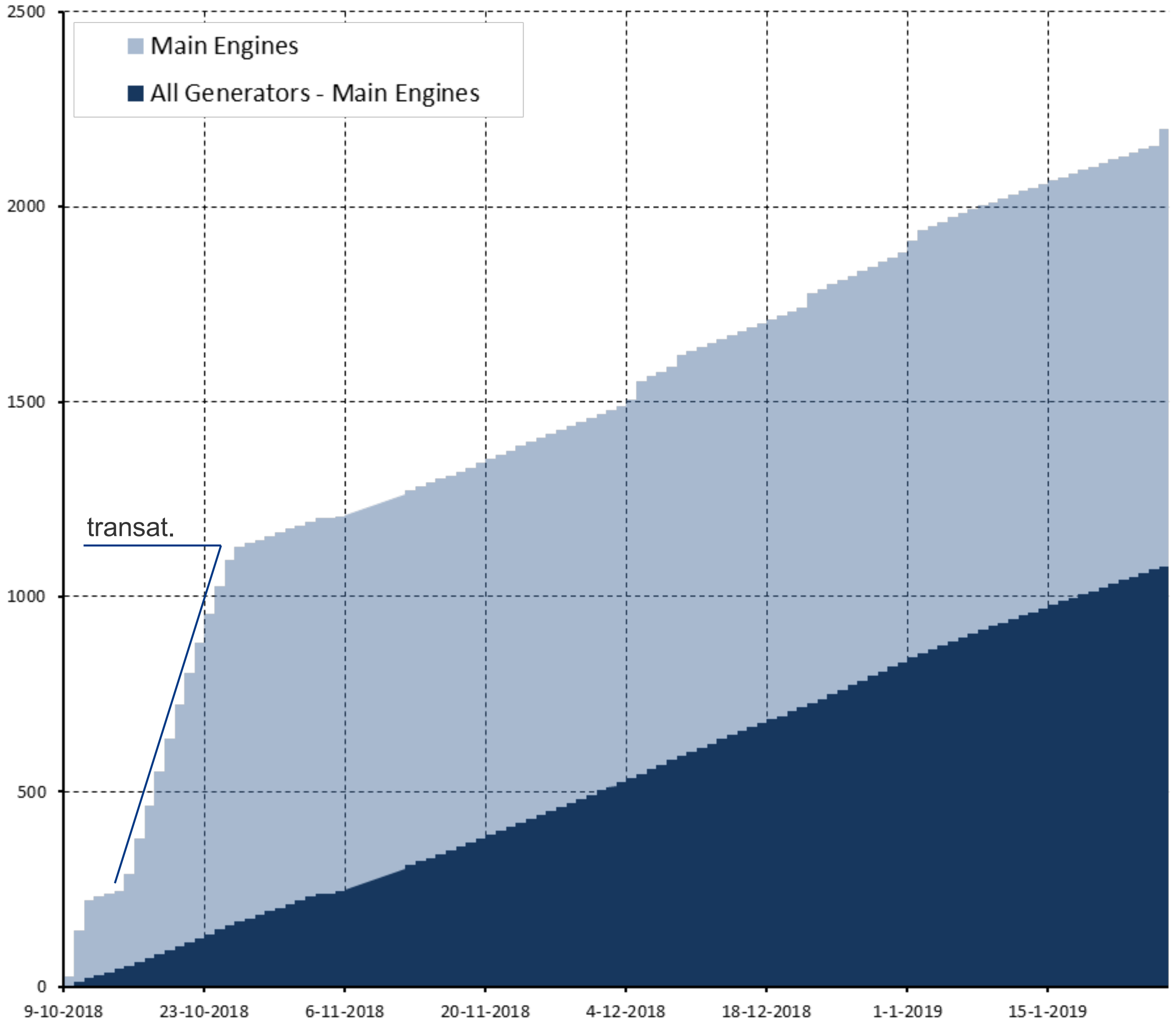
Harvesting > wind, waves and the sun

Regeneration > regeneration of waste or emissions



PROPORTIONING





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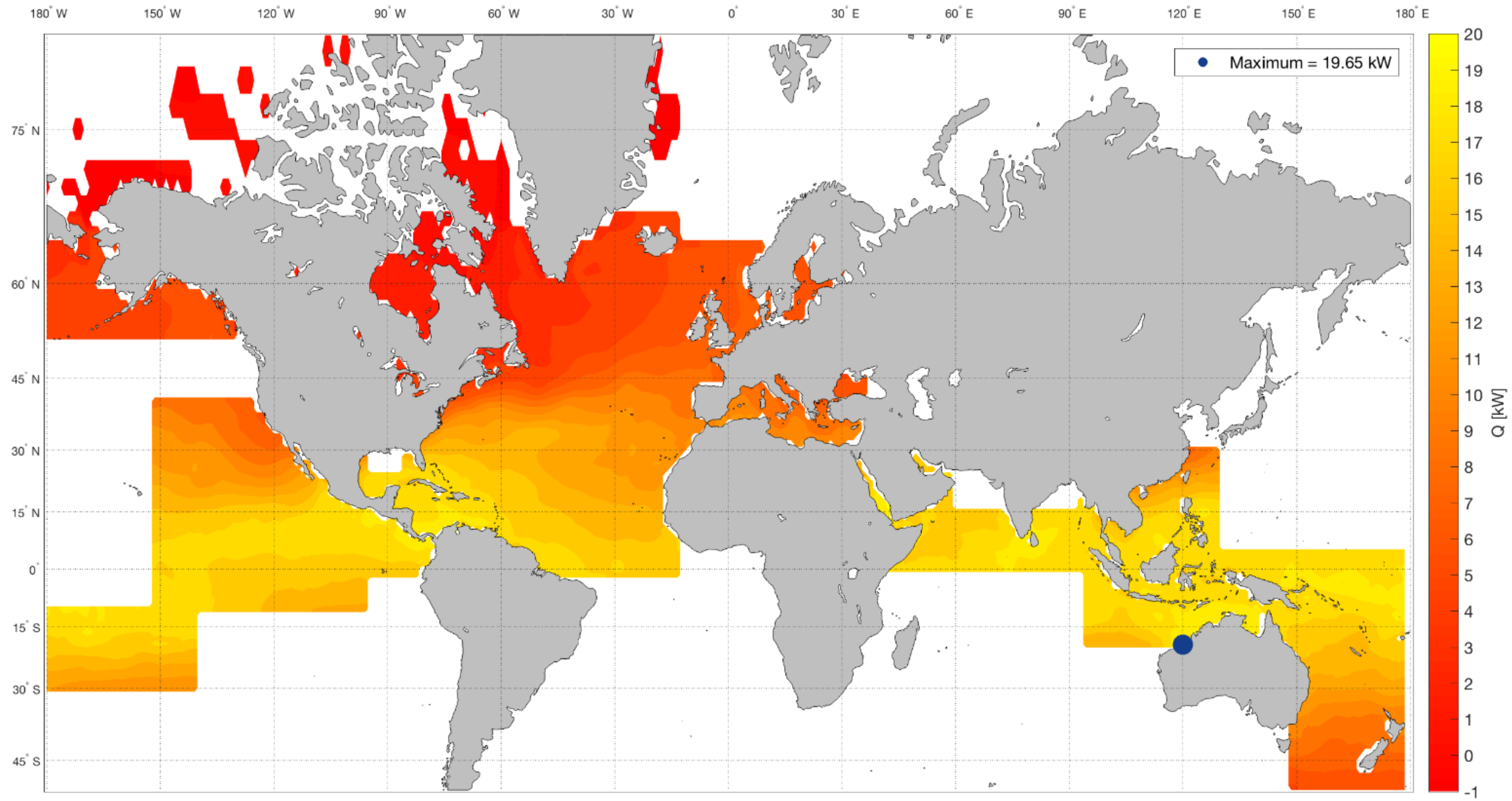

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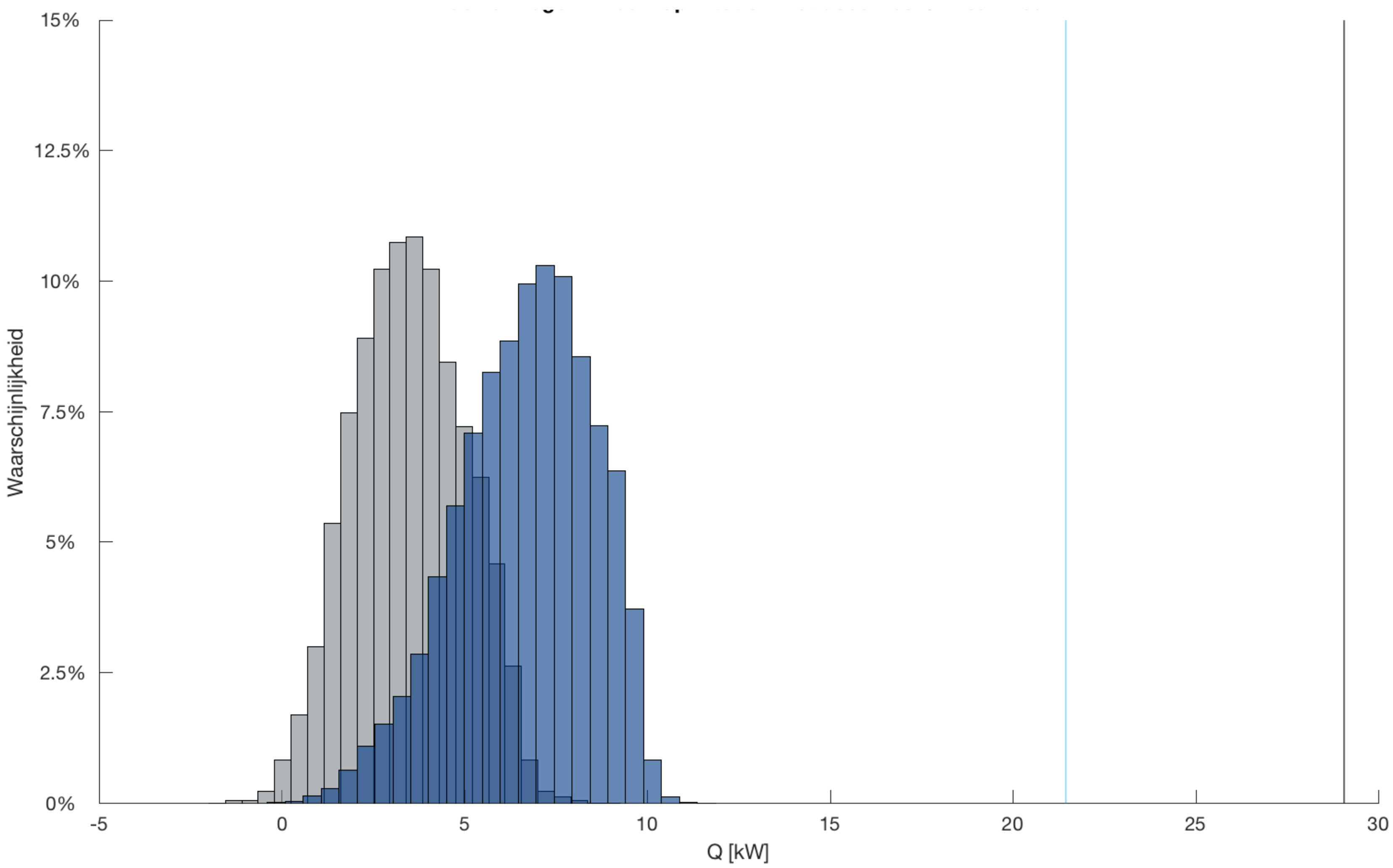
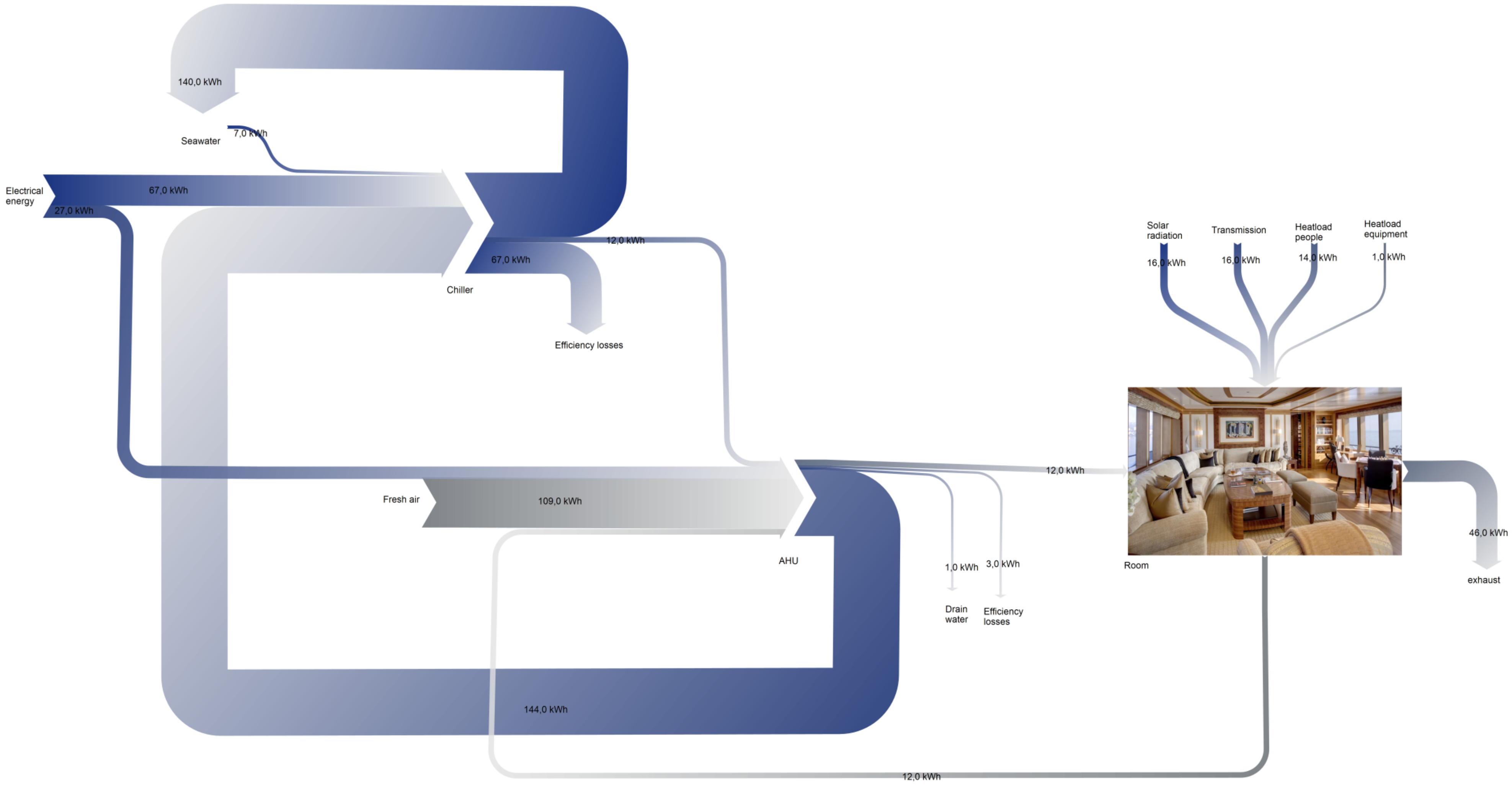
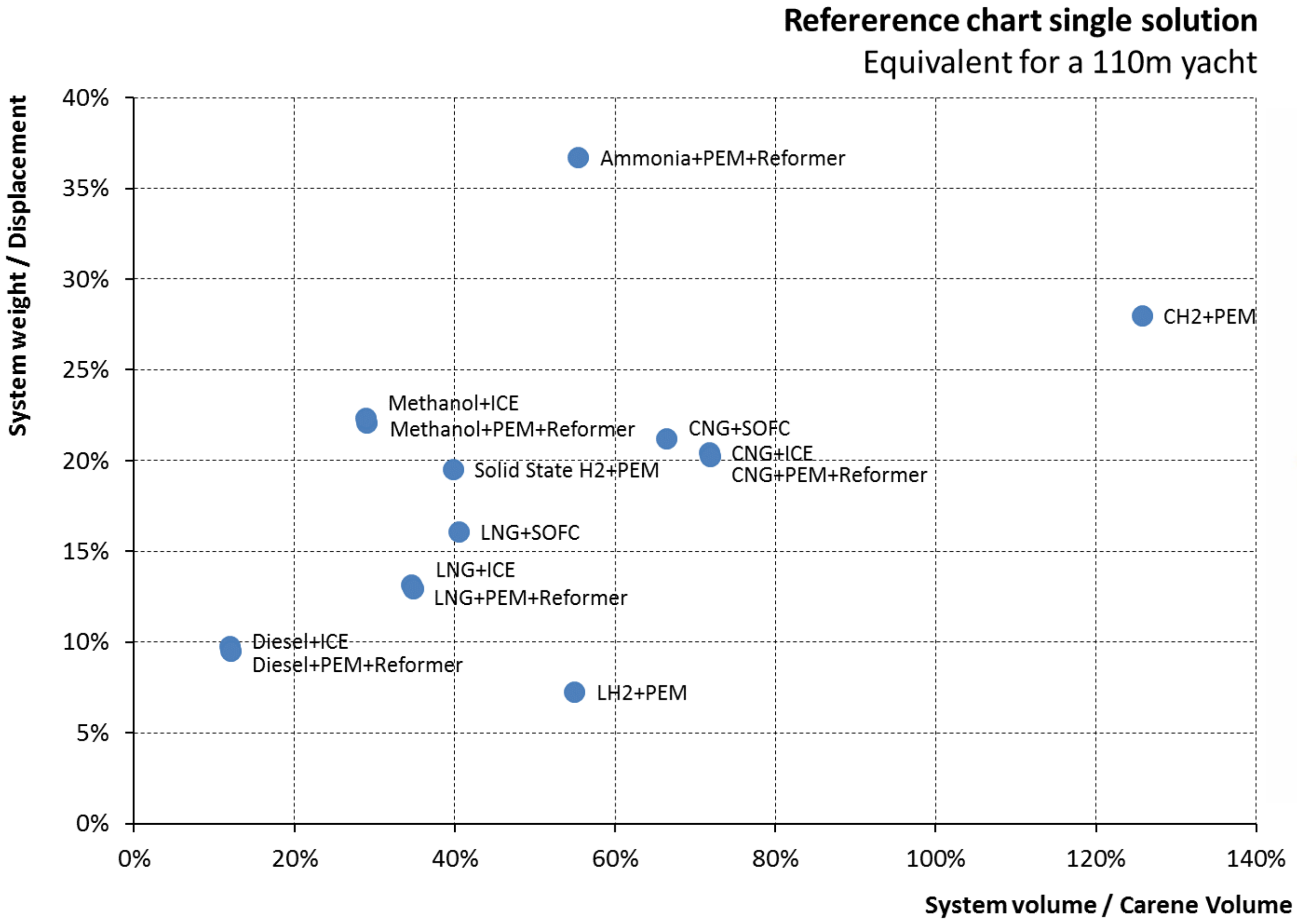
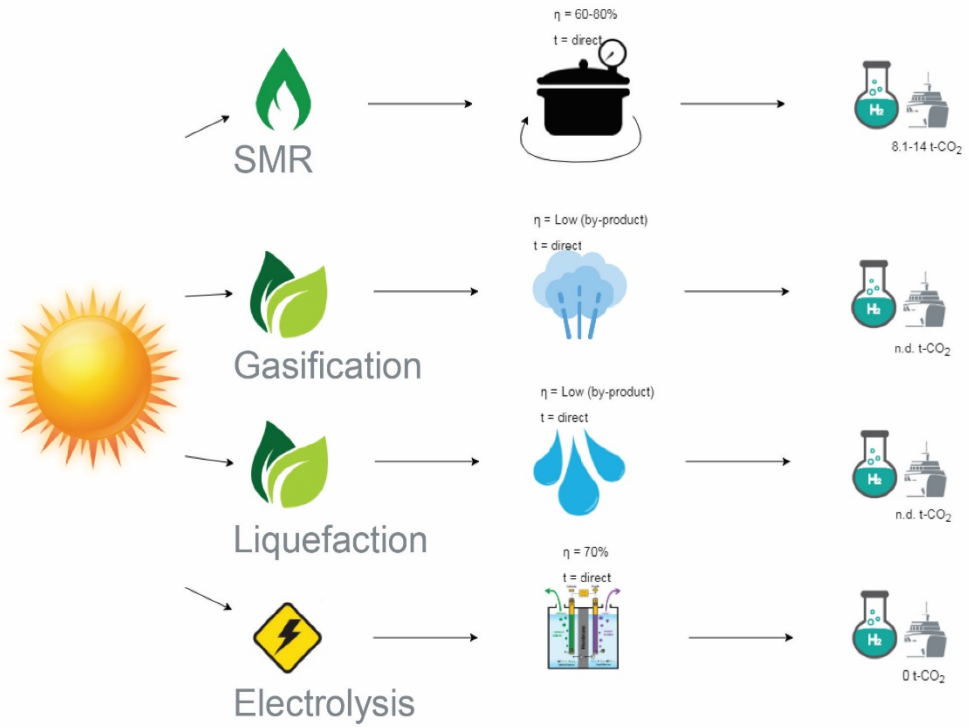


EFFICIENCY SCOPING

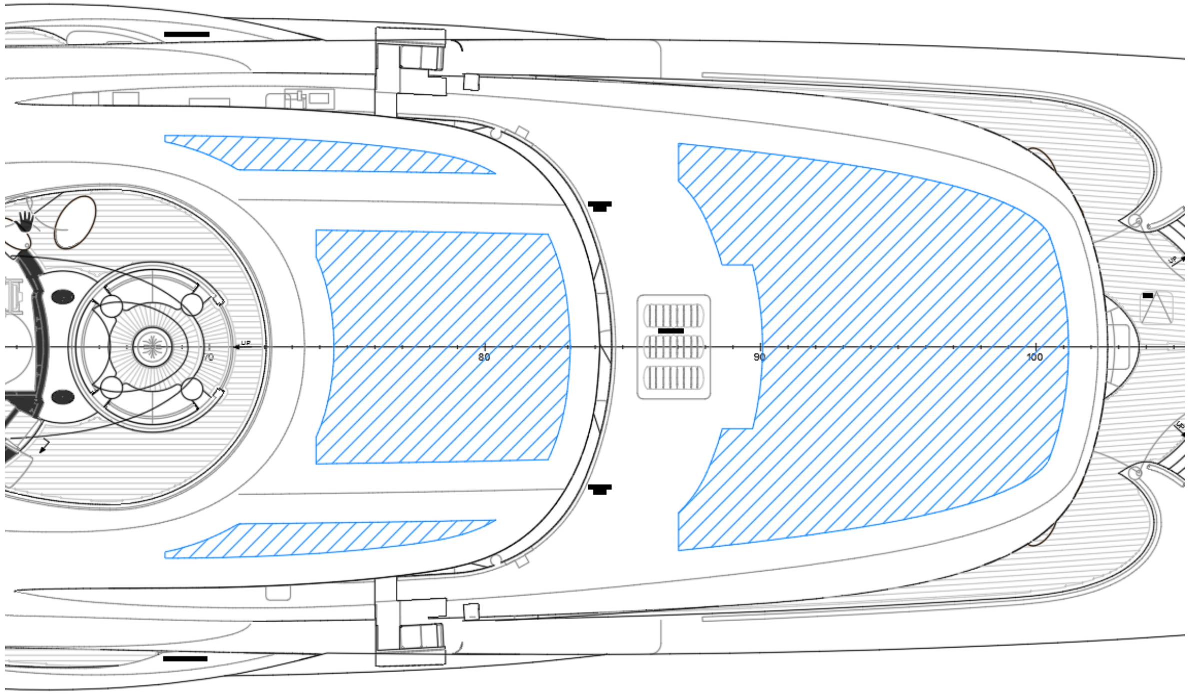


ENERGY CARRIER SCOPING EXERCISES



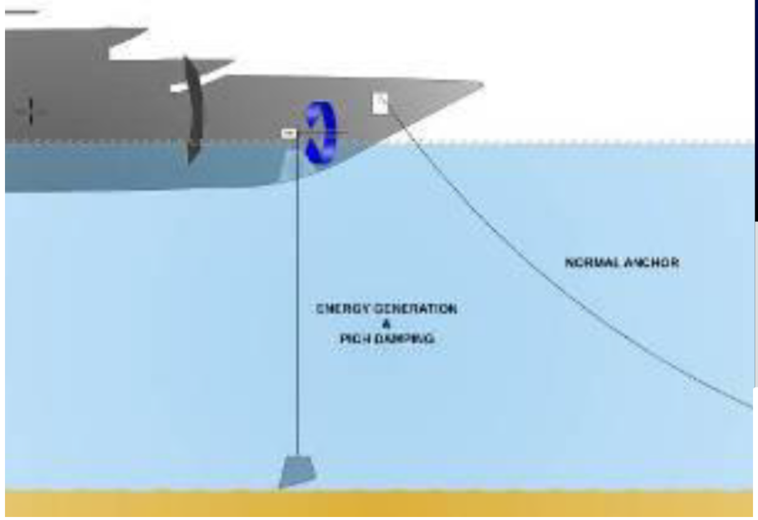


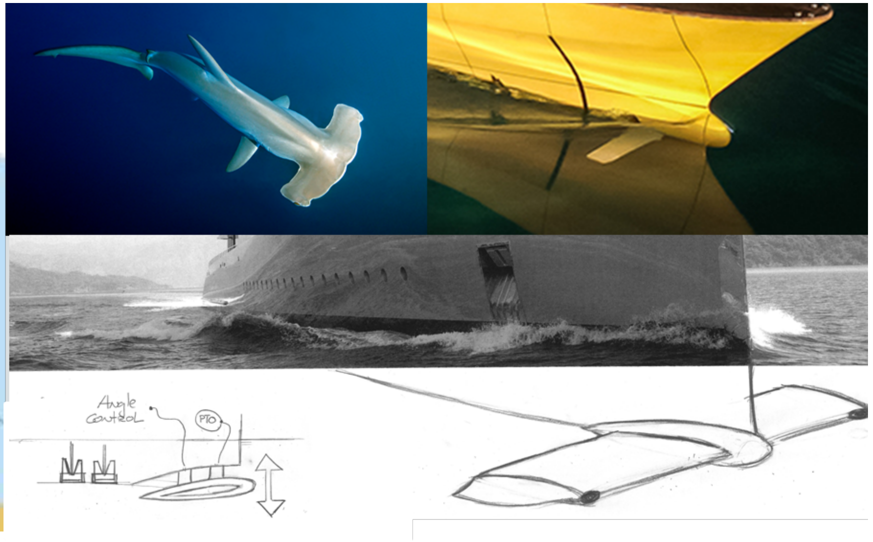
HARVESTING

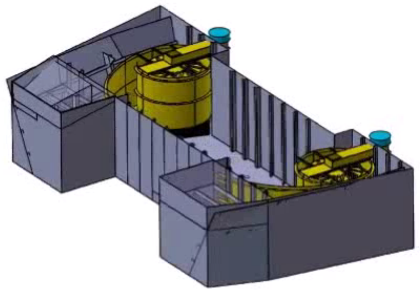


Thin film PV integration in superstructure fairing and decking
Up to 100 MWh/y in case study (only 3-5% of annual energy use)
More viable with higher PV system capacity and higher ship efficiency

HARVESTING

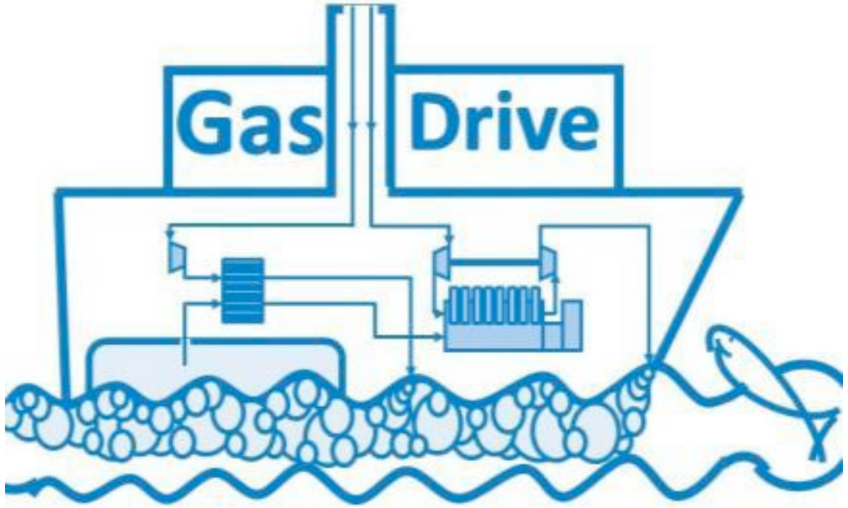

NORMAL ANCHOR
ENERGY GENERATION
&
PICH DAMPING


Angle Control
PTO



COLLABORATION

GREEN MARITIME METHANOL



DISRUPTIVE THOUGHTS

FEADSHIP
ROYAL DUTCH SHIPYARDS