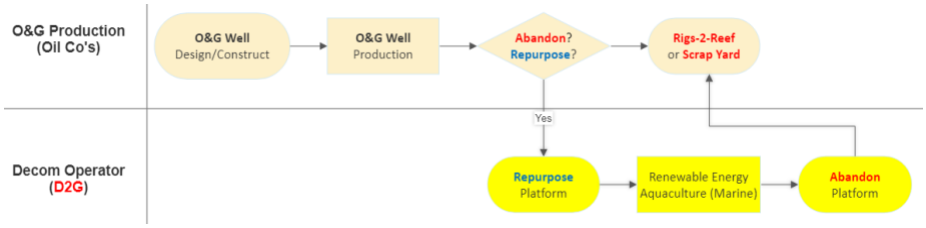
TA-6619 REG: Marine Aquaculture, Reefs, Renewable Energy, and Ecotourism for Ecosystem Services

Context

| Decommissioning platforms is new to Asia ($100 bn cost) | 1000's of platforms
| ASEAN members: limited Decom experience | Inconsistent regulations | Cautious
| High regulatory uncertainty creates excess cost (re: Oil Co's) resulting in stalemate

Solution

| As an SPV , D2G: "Decom Operator" to operationalize Blue Economy opportunities
| D2G: a new class of supplier to manage offshore late-life assets & Decom processes
| D2G assists ASEAN members & Oil Co's to harmonize regs; deliver MARES solutions



Technology

| Oil Companies reduce: *cost, complexity, managerial efforts* to run late-life assets
| D2G: negotiate & offload *late-life assets* | D2G: Repurpose | Rigs-2-Reef *Retire*
| D2G: to "cookie-cutter" activity across concessions & ASEAN borders for *efficiency*

Business Model

| Leverage Blue Finance to repurpose late-life assets | Earn income (Fish, RE)
| Rigs-2-Reef reduces Decom cost by 15% -25% | D2G and Oil Co's share $$ savings

PROJECT SUMMARY

PROJECT NAME:

Proposal to recycle "used" O&G platforms for: Aquaculture Fish Farms and Renewable Energy

CAPITAL COST:

Initial budget at $15 million:
Due Diligence ($1M *now sought*)
FEED ($4M) | Pilot ($10M)

DEVELOPER:

Decom-2-Green PLC

PROJECT HOST:

TBA

GEOGRAPHICAL LOCATION:

Gulf of Thailand (*scaled globally*)

TYPE OF PROJECT:

Repurpose energy infrastructure for Aquaculture operations, offshore RE development, and other MARES operations

PROJECT TIMELINE:

2023-2025

Financing

| A Pilot Test proves concept | Three phases: Pre-FEED (4 mo.), FEED (6 mo.) and Field Trial (18 mo.) | Cost: US$10m-$15m

Results

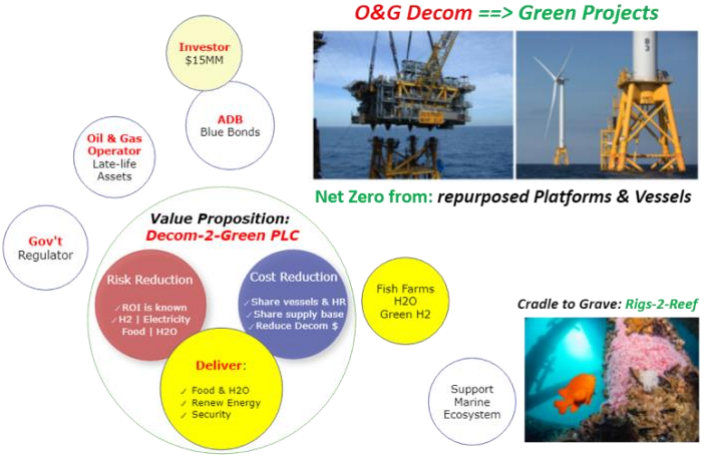
| Converting Scrap ⇒ Gold | D2G is a *one-stop shop* to repurpose late-life assets (MARES style) and terminate as Rigs-2-Reef

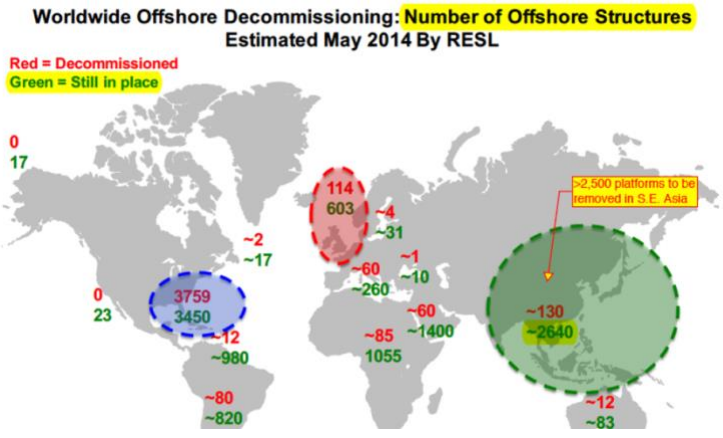
Lessons Learned

| Every nation has its own *unique* (Decom) Regs | Little harmonization | Oil Companies frustrated by *high* Decom $$$ costs

Developer

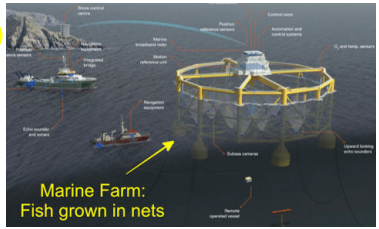
| D2G have assembled a group of qualified contractors to develop/operate: Wind & Fish Farms, Rigs-2-Reef, CCUS, and more





Repurpose Decommissioned Platforms
- recycle for use with Renewables?

More Details?
Click any photo!



Wind Turbine | H2
OSS | CCUS

Marine Farms

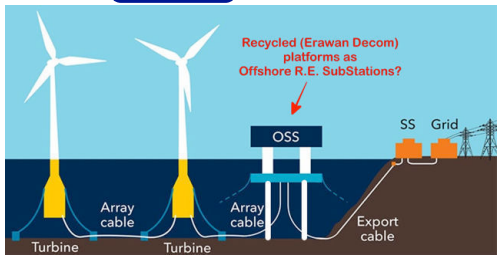
Green House

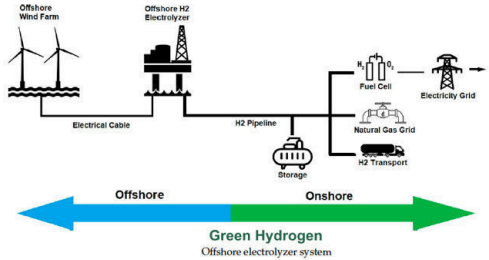
Marine | Hydroponic Farm
Offshore Dockyards

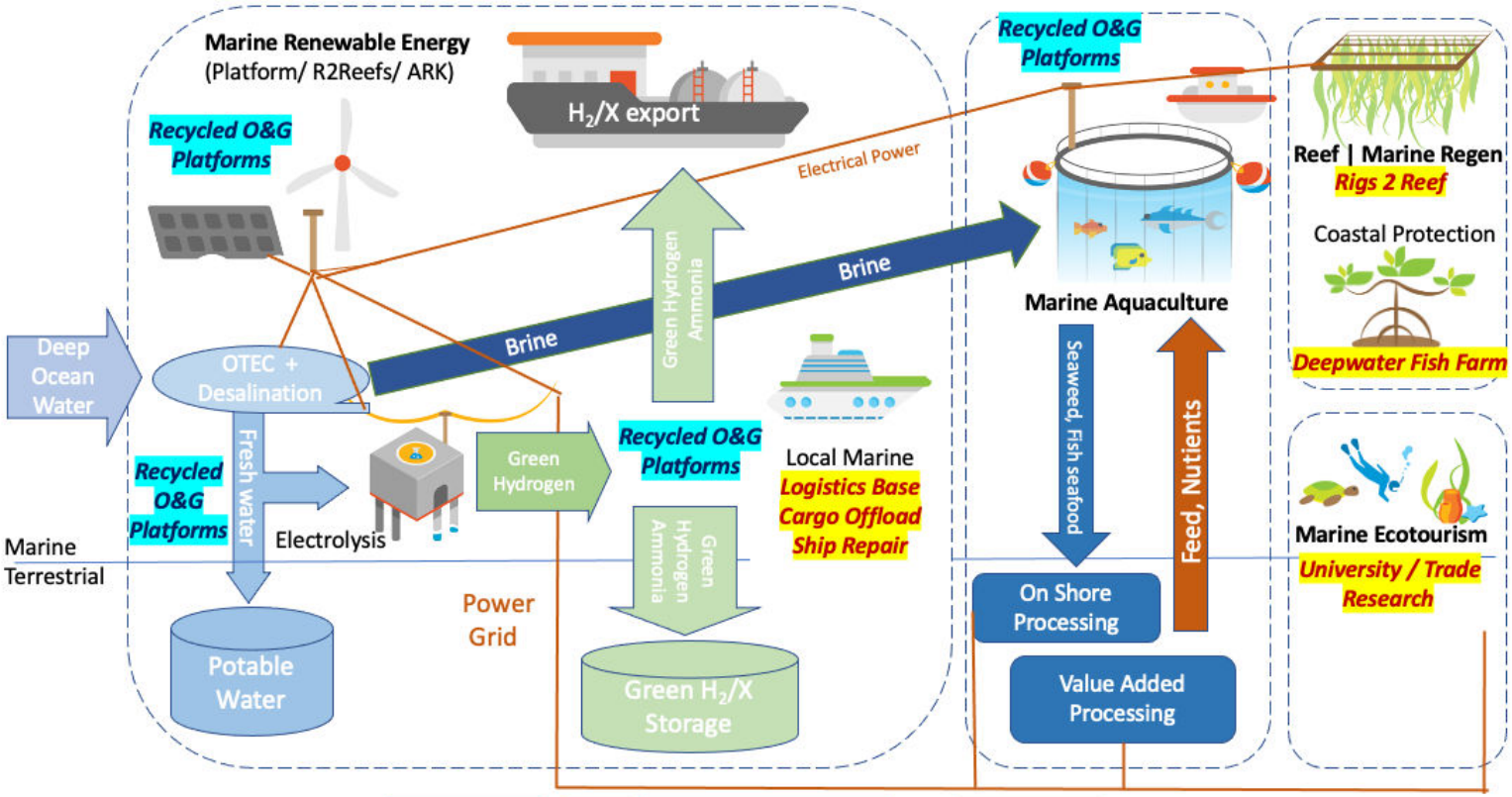
Wind Turbine

Electric Transformer

Hydrogen H2







TA6619 MAREs- Marine Aquaculture, Reefs, Renewable Energy, and Ecotourism for Ecosystem Services

Financial *pro forma*

No	Item	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
	Marine Renewable Energy											
	Capital Cost 1 (VAWT to power Fish Farm)		$ (500,000)	$ (200,000)	$ (250,000)	$ (250,000)	$ (300,000)	$ (300,000)	$ (350,000)	$ (350,000)	$ (400,000)	$ (400,000)
	Capital Cost 2 (HAWT for Green H2 TBA)											
	Revenue 1 - VAWT (internal use: Fish Farm)											
	Revenue 2 - HAWT (TBA)											
	Balance (Revenue - Cost)		$ (500,000)	$ (200,000)	$ (250,000)	$ (250,000)	$ (300,000)	$ (300,000)	$ (350,000)	$ (350,000)	$ (400,000)	$ (400,000)
	Marine Aquaculture											
	Capital Cost (Pre-FEED | FEED engineering)	$ (5,140,000)										
	Capital Cost (Pilot - repurpose platform)		$ (7,000,000)	$ (1,500,000)	$ (1,650,000)	$ (1,815,000)	$ (1,996,500)	$ (2,196,150)	$ (2,415,765)	$ (2,657,342)	$ (2,923,076)	$ (3,215,383)
	Capital Cost (Fish Pens - installed)		$ (1,500,000)	$ (2,700,000)	$ (2,000,000)							
	Capital Cost (Fish Feed per year)		$ (3,504,000)	$(11,442,750)	$(15,412,125)	$(16,953,338)	$(18,648,671)	$ (20,513,538)	$(22,564,892)	$ (24,821,381)	$ (27,303,520)	$(30,033,872)
	Fish Pen - Capacity (m3)		12,800	29,000	14,500							
	Fish Pen - Total Capacity Available (m3)		12,800	41,800	56,300	56,300	56,300	56,300	56,300	56,300	56,300	56,300
	Fish Kg - Gross Weight (for processing)		384,000	1,254,000	1,689,000	1,689,000	1,689,000	1,689,000	1,689,000	1,689,000	1,689,000	1,689,000
	Revenue 1 - Fish (Sea Bass) @ 50% Capacity		$ 2,112,000	$ 7,586,700	$ 10,218,450	$ 11,240,295	$ 12,364,325	$ 13,600,757	$ 14,960,833	$ 16,456,916	$ 18,102,608	$ 19,912,868
	Revenue 2 - Fish (Seriola) @ 50% Capacity		$ 3,072,000	$ 11,035,200	$ 14,863,200	$ 16,349,520	$ 17,984,472	$ 19,782,919	$ 21,761,211	$ 23,937,332	$ 26,331,065	$ 28,964,172
	Balance (Revenue - Cost)	$ (5,140,000)	$ (6,820,000)	$ 2,979,150	$ 6,019,525	$ 8,821,478	$ 9,703,625	$ 10,673,988	$ 11,741,387	$ 12,915,525	$ 14,207,078	$ 15,627,786
	Total Capital Cost	$ (5,140,000)	$ (12,504,000)	$(15,842,750)	$(19,312,125)	$(19,018,338)	$(20,945,171)	$ (23,009,688)	$(25,330,657)	$ (27,828,723)	$ (30,626,595)	$(33,649,255)
	Total Free Cashflow	$ (5,140,000)	$ (7,320,000)	$ 2,779,150	$ 5,769,525	$ 8,571,478	$ 9,403,625	$ 10,373,988	$ 11,391,387	$ 12,565,525	$ 13,807,078	$ 15,227,786
	IRR - 15%	45%										
	NPV - 15%	$21,330,275										

Note: Costs are indicative and subject to change.
Note: Business Model focus is initially on raising and selling fish (e.g., Sea Bass, Seriola); R.E. expansion is considered if ROI is positive.
Note: Assuming the (platform) late-life assets are transferred to D2G at no charge (e.g., donated by the Oil Co.).
Note: Fish Feed costs may be reduced by growing and harvesting seaweed.