



SEAGENESIS

Seasteading from zero to one

Adam Dick

WHAT IS A SEASTEAD REALLY?

- A place to exist on the water
- Must have at least one productive element as opposed to a cruise ship which is merely consumptive
- Size doesn't really matter, it's the productivity that counts

How do we realistically get started?



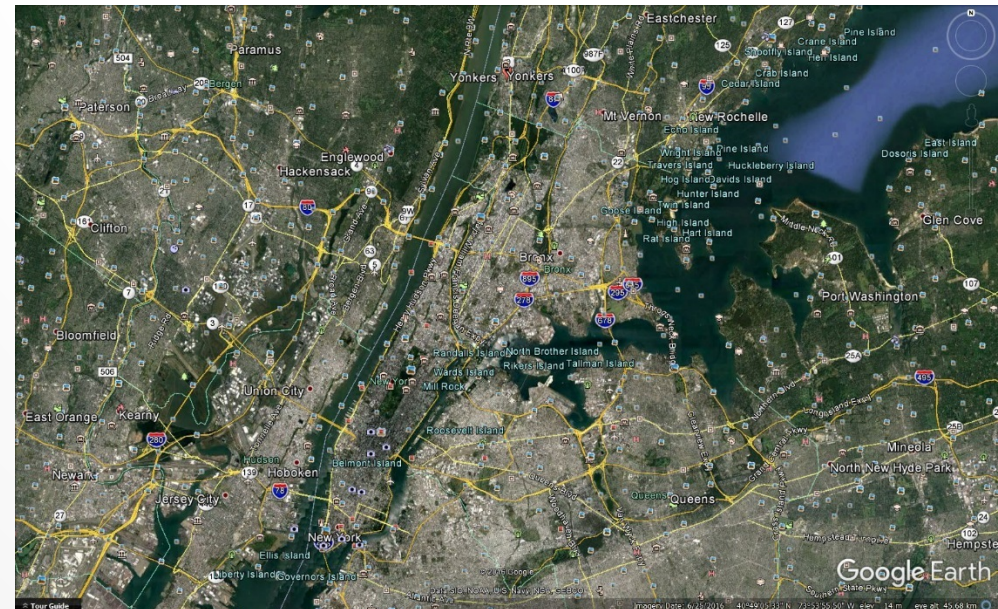
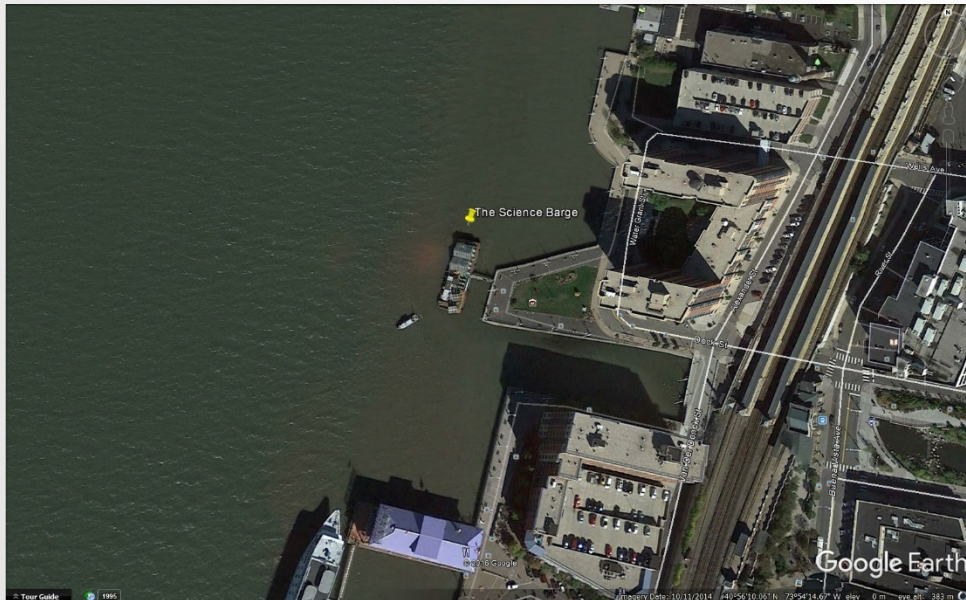
POLYSTYRENE LAYERED CORE
FIBERGLASS MESH
HYDRAULIC CEMENT
8 SQFT SURFACE AREA
100LB MASS
400LBS NET BUOYANCY

\$160 TOTAL COST

\$20 PER SQUARE FOOT

MAKE SOMETHING THAT FLOATS!

IT HELPS TO USE OFF THE SHELF PARTS!



The Science Barge, Yonkers NY

A SIMILAR CONCEPT IN MIAMI:



PUBLIC OUTREACH IS VERY HELPFUL!

OUTREACH ISN'T JUST FOR KIDS



A REALISTIC FIRST STEP

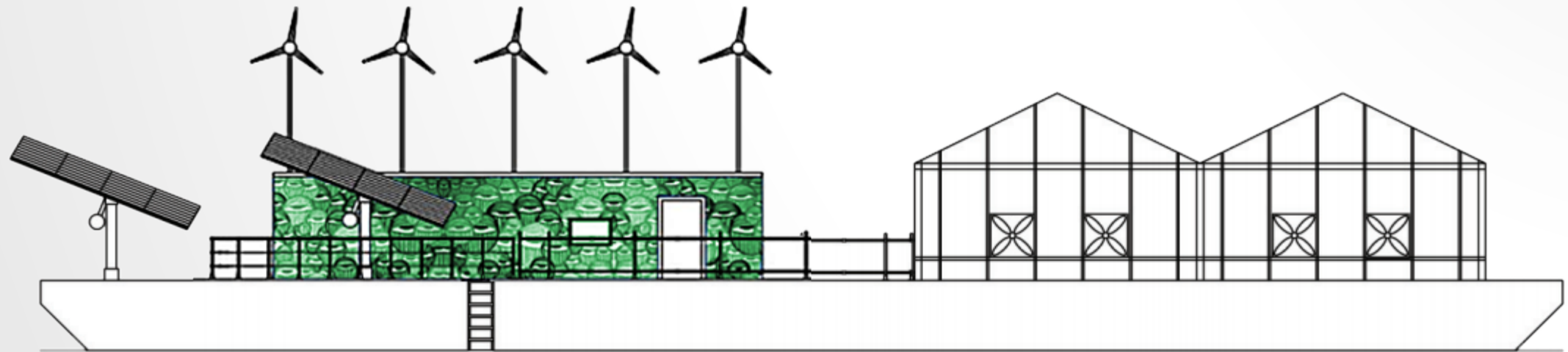


COMPONENTS:

RESEARCH SHIP

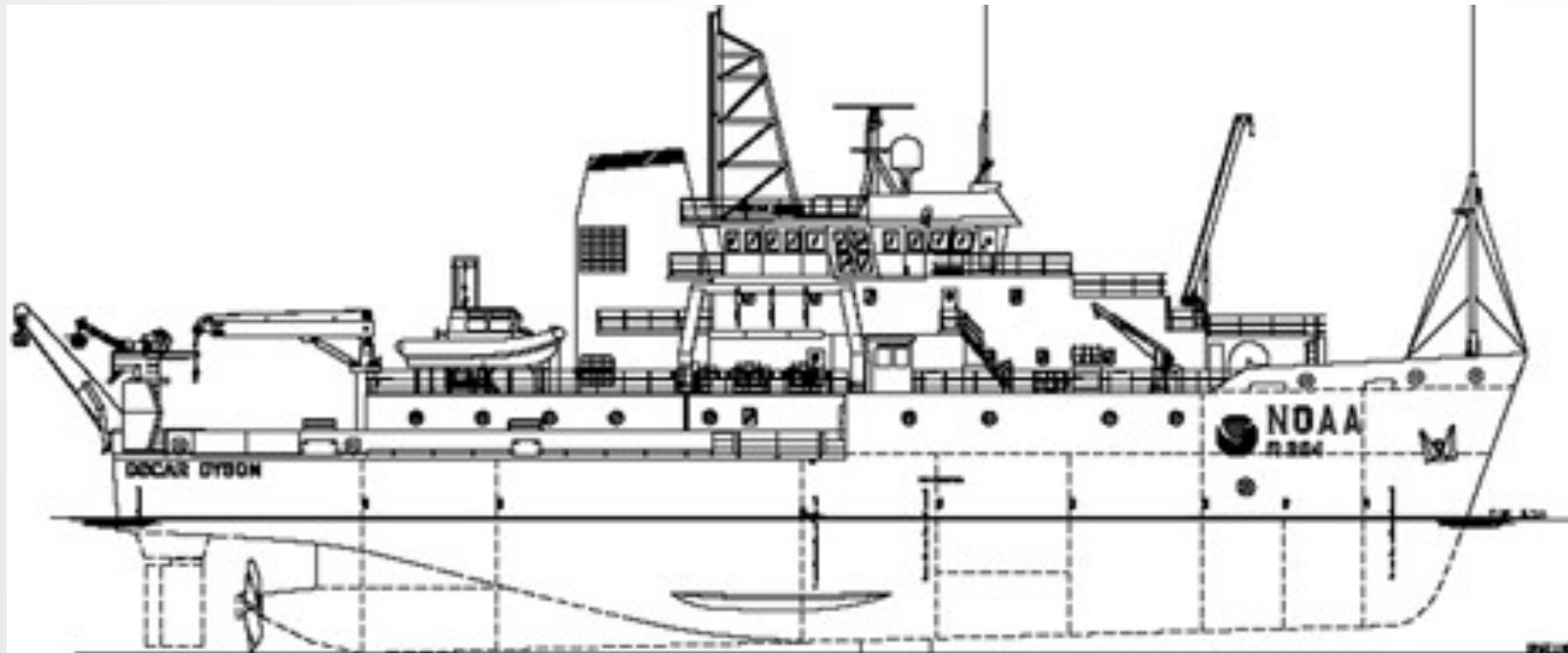
BARGE

BARGE HAS PRODUCTIVE ELEMENTS WHICH PROVIDE CLEAN ELECTRICITY FOR THE SHIP, SMALL AMOUNTS OF FOOD, AND PSYCHOLOGICALLY PLEASING OPEN GREEN SPACE

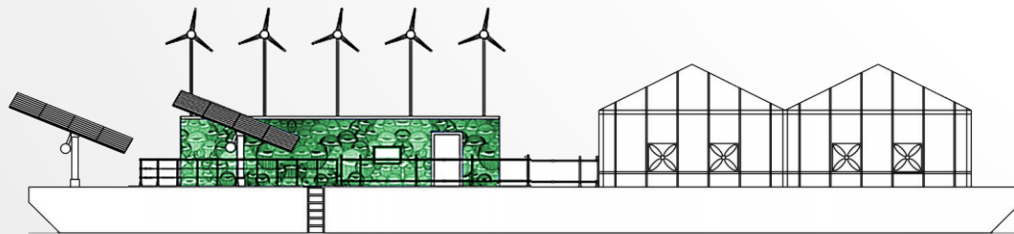
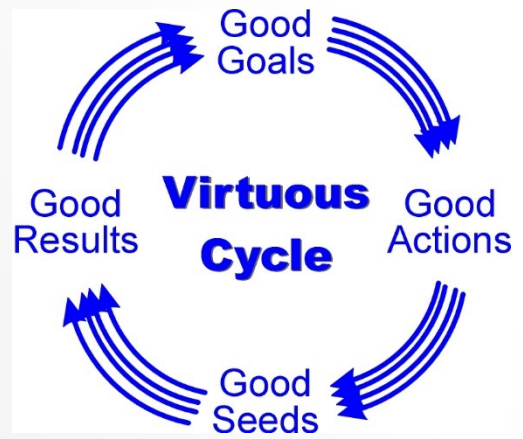
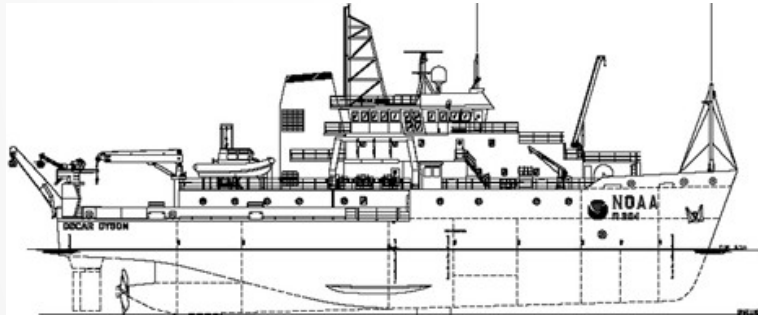


CAN ALSO ABSORB WASTEWATER AND FOOD WASTE FROM SHIP

SHIP PROVIDES ELEMENTS THE BARGE LACKS – READY MADE CREW QUARTERS, HOT SHOWERS, A MESS, A HEAD, STANDBY DIESEL POWER, BATTERY STORAGE, COMMUNICATIONS, AND MOBILITY



TOO EXPENSIVE AND REDUNDANT TO REPLICATE ON BARGE



BRASS TACKS

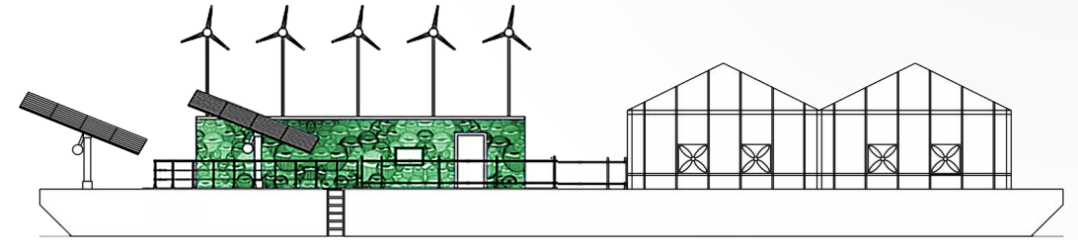


HOW MUCH IS THIS GOING TO COST?

EXAMPLE: 110' STEEL DECK BARGE – CLOSE TO MINIMUM USEFUL SIZE



ESTIMATE ANOTHER 500K TO OUTFIT:



- PV PANELS
- MICRO WIND TURBINES
- DECKHOUSE
- ANAEROBIC DIGESTER
- GARDENS/POSSIBLE GREENHOUSE
- SOIL BED WITH DRAINAGE

COST ALL IN WITH TAXES
~1.5 MILLION USD

Interested in this boat?

Send Email

Call Now

Description

View Full Specifications

Year: 2012

Length: 110'

Engine/Fuel Type: Single / Other

Located In: Freeport Harbor, Bahamas

Hull Material: Steel

YW#: 70231-2439562

Current Price: US\$ 910,000 Tax Not Paid

EXAMPLE: RESEARCH SHIP – CLOSE TO MINIMUM USEFUL SIZE



Steel motor yacht EX RESEARCH VESSEL "ALK", built by J.G. Hitzler - Germany, designed by G. Dietrich and W. During. This professional yacht, sea going long range sturdy vessel, is equipped for world cruising, expeditions or diving adventures. 7 cabins with 16 berths, Buderus heating, 40 hp bowthruster, watermakers, davits and electric windless, rebuilt for yachting purposes with new main engine and generator.



Interested in this boat?

[Send Email](#)

[Call Now](#)

Description

[View Full Specifications](#)

Year: 1965

Length: 98'

Engine/Fuel Type: Single / diesel

Located In: Med, France

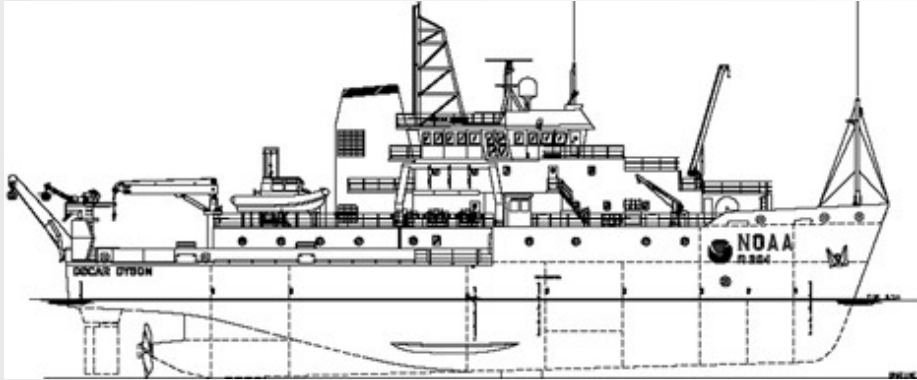
Hull Material: Steel

YW#: 1323-1848505

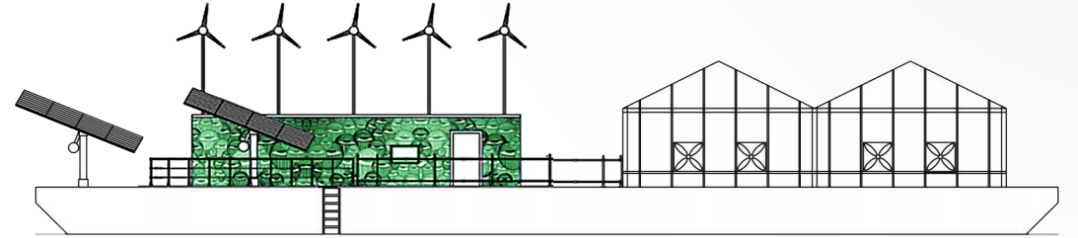
Current Price: EUR 950,000 (US\$ 1,008,710)

COST WITH RETROFITTING, TAXES, AND UPGRADES ~1.5 MILLION USD

TOTAL COST OF



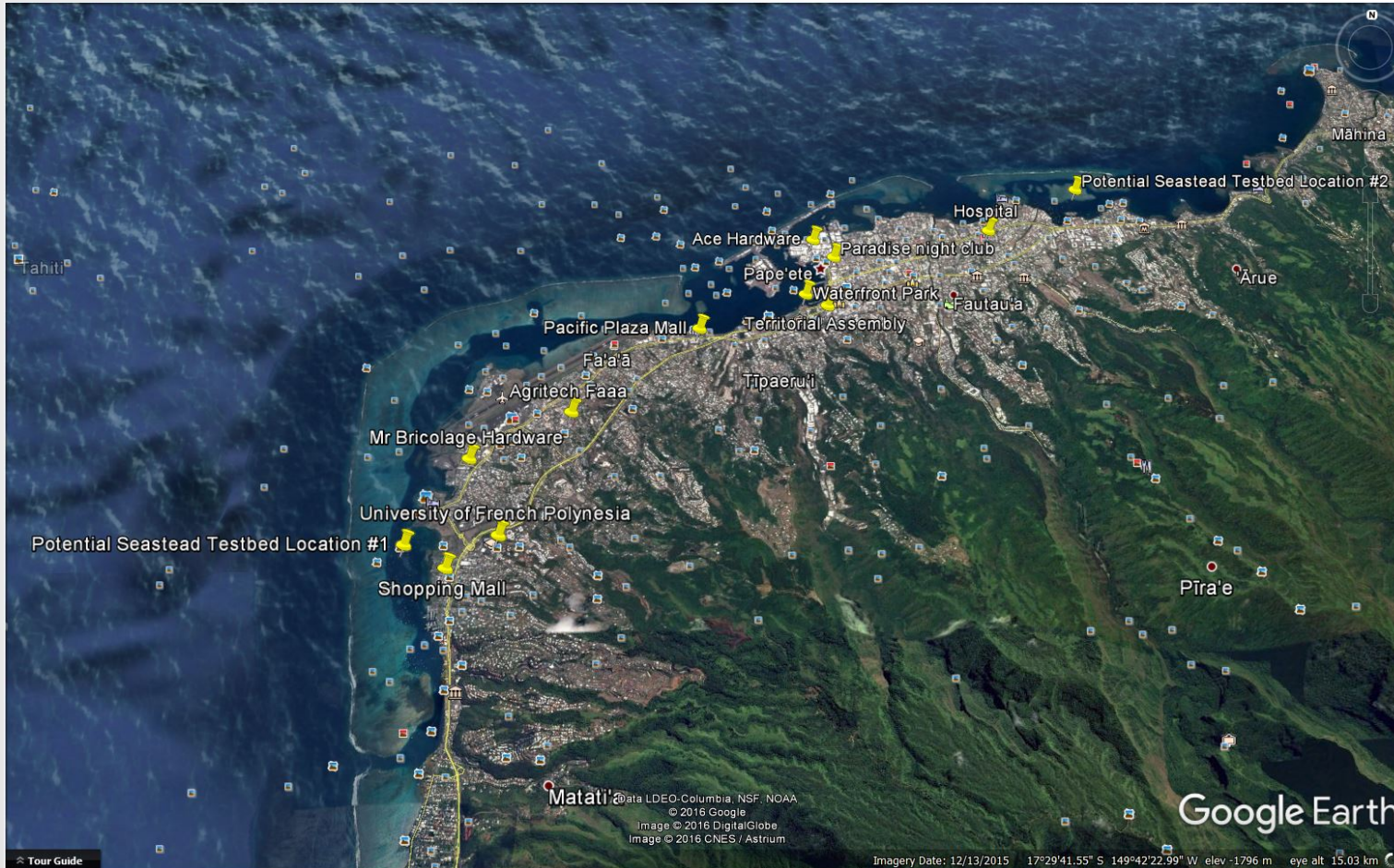
+



~ = 3 MILLION USD

THIS IS PROBABLY A PRETTY GOOD ESTIMATE OF THE ABSOLUTE MINIMUM COST REQUIRED TO MAKE SOMETHING LIKE A SEASTEAD THAT IS PHYSICALLY REAL

WHERE TO PUT IT?



PAPE'ETE OF COURSE!

CLOSE TO EVERYTHING

ENGINEERING MATERIALS CLOSE AT HAND

PEOPLE CAN SEE IT

CLOSE TO UNIVERSITY



COLLABORATION WITH UPF?

DATA SHOULD BE SHARED

A BODY OF PRACTICAL
KNOWLEDGE CREATED

THE VIEW FROM PAPE'ETE LOOKING TOWARDS MOOREA:



I'LL SEE YOU ON THE OTHER SIDE 😊

QUESTIONS?

