CONCEPT STUDIES

HYBRID EXPLORER 90M CONCEPT

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UNIVERSITY OF WALES TRINITY SAINT DAVID

Project Rationale

My aim for this project is to create a yacht for high latitude exploration that can help allow scientific research in these distant places. This will enable owner and guests to travel to far corners of the globe in extreme luxury while enjoying activities from heli-skiing to diving and submarine use.

The boat will be a 90m explorer with an interior for owners and guests to enjoy similar to a luxury hotel. It will have a main scientific area like a bond villain lair with drone workshops and science labs so scientists can carry out research on board.

The hybrid yacht will reduce emissions therefore reducing environmental degradation in finely balanced ecosystems. The research that will be carried will help to give back to the areas this yacht visits and try to improve the environment in protected areas.

To ensure this boat is capable of high latitude exploration it will be based on an Oceanco hull that is certified for ice. This will allow me to base my design on a pre-existing successful hull design.

MOOD BOARD

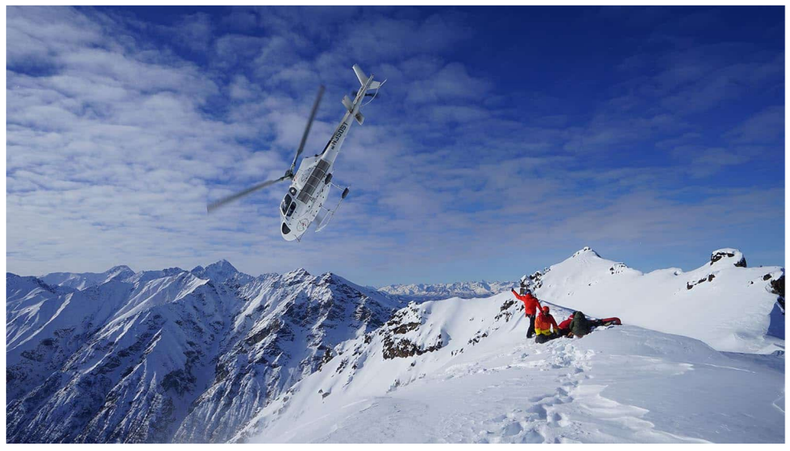






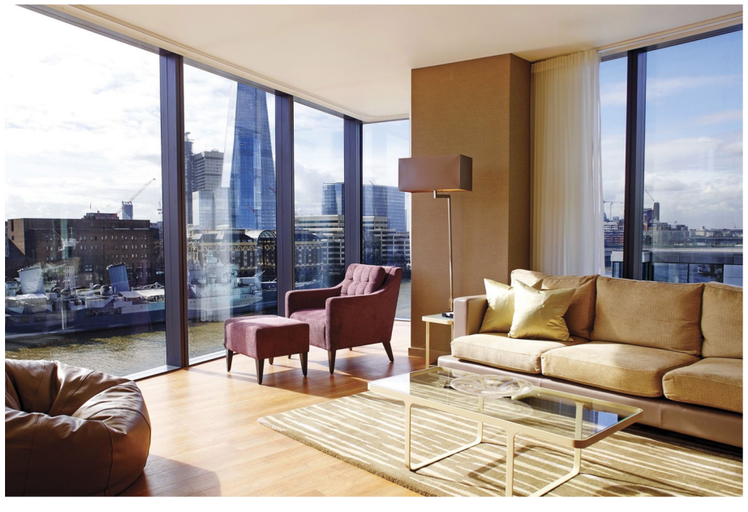


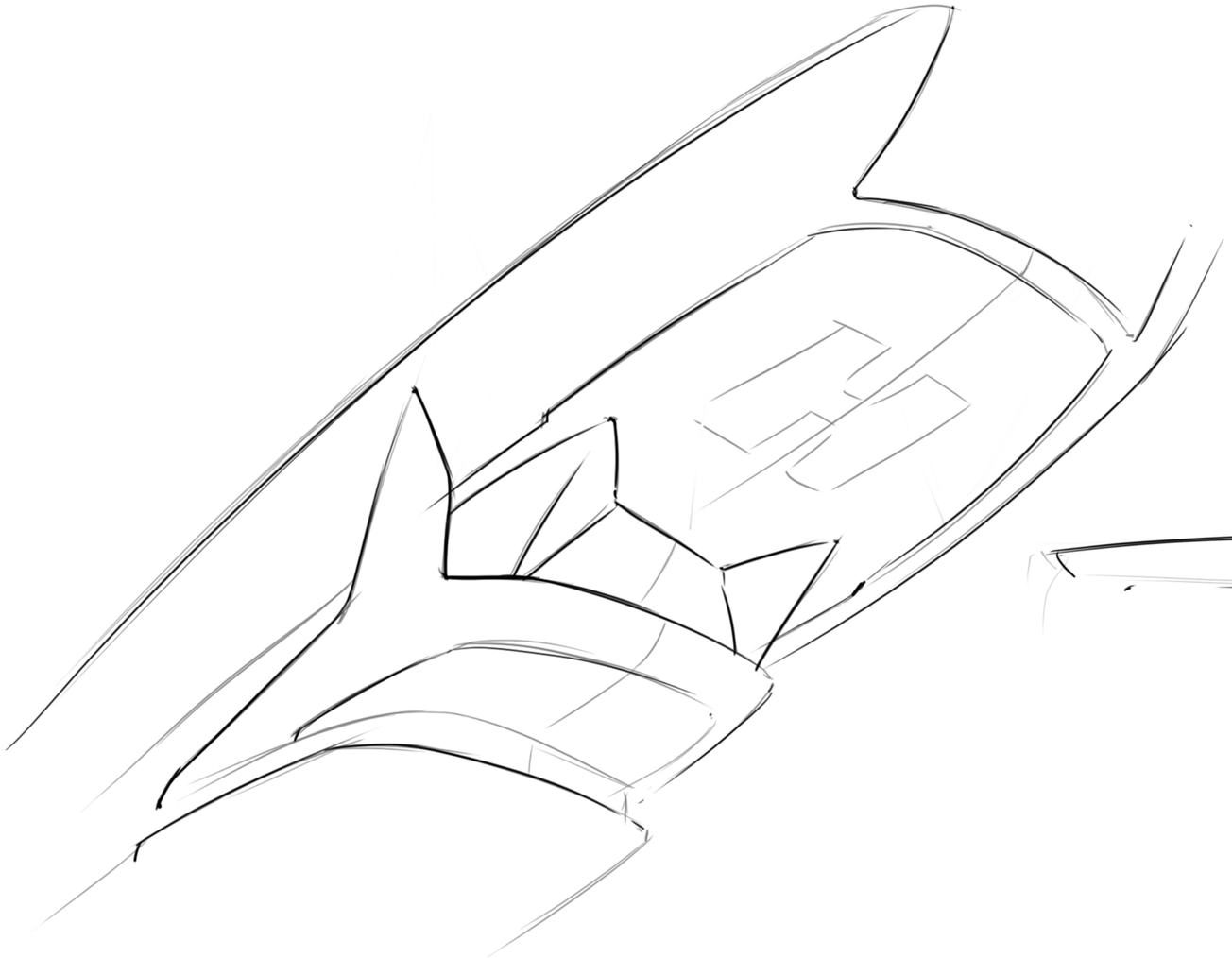


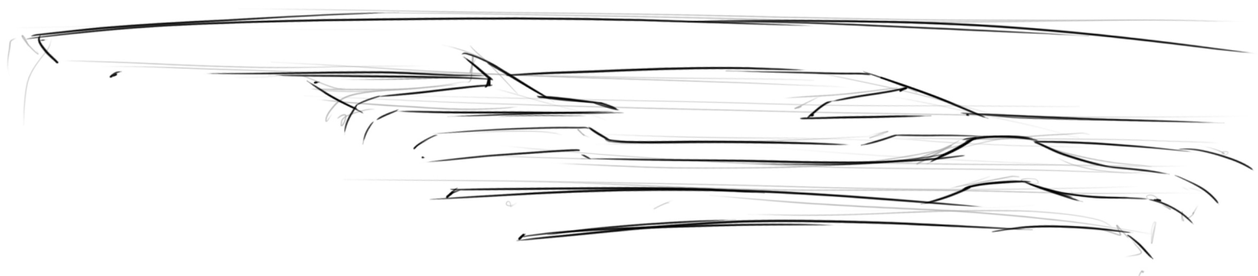


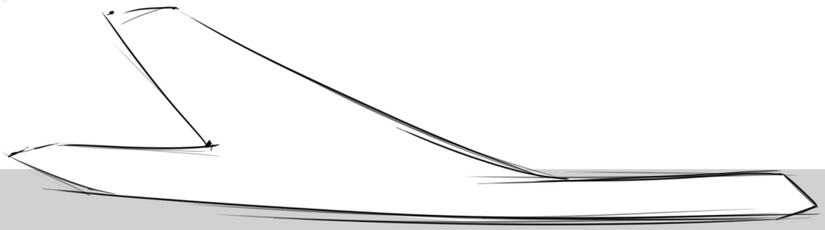


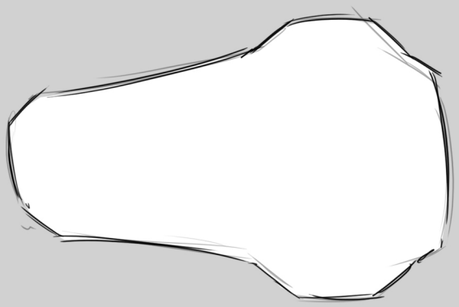


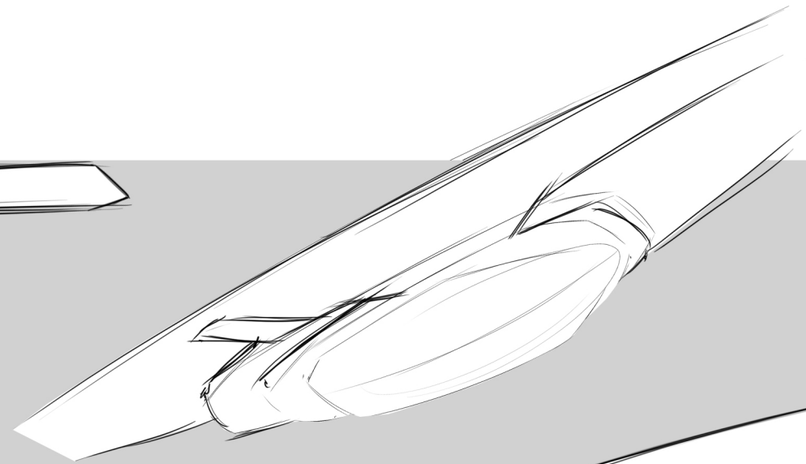


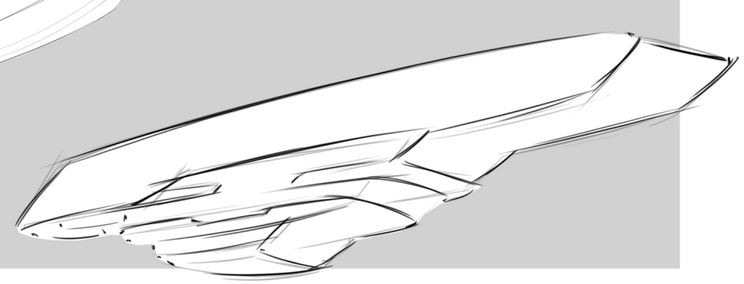


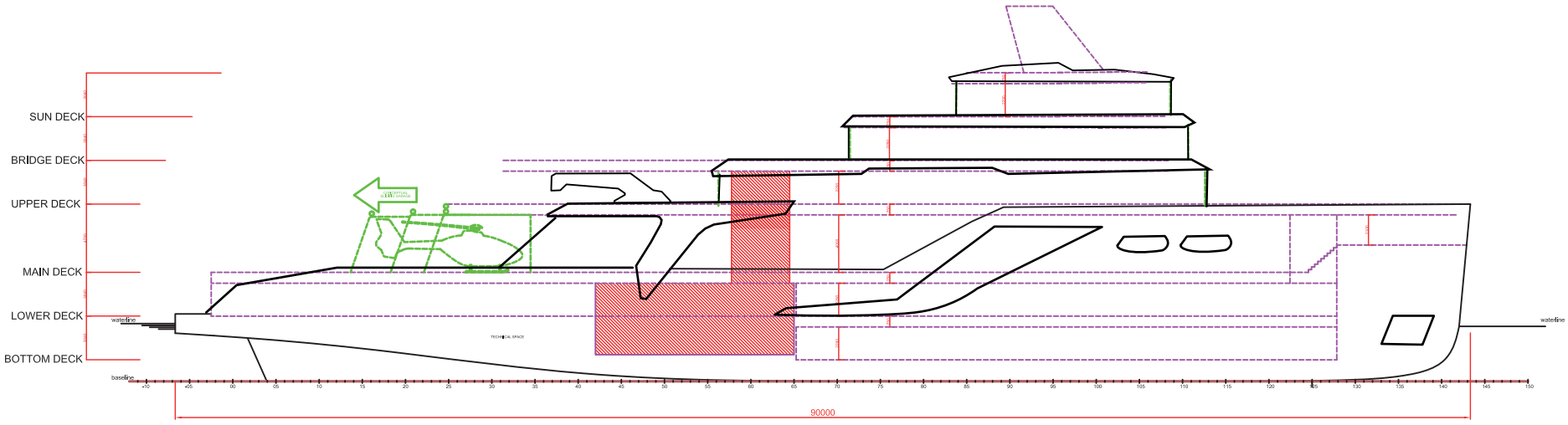


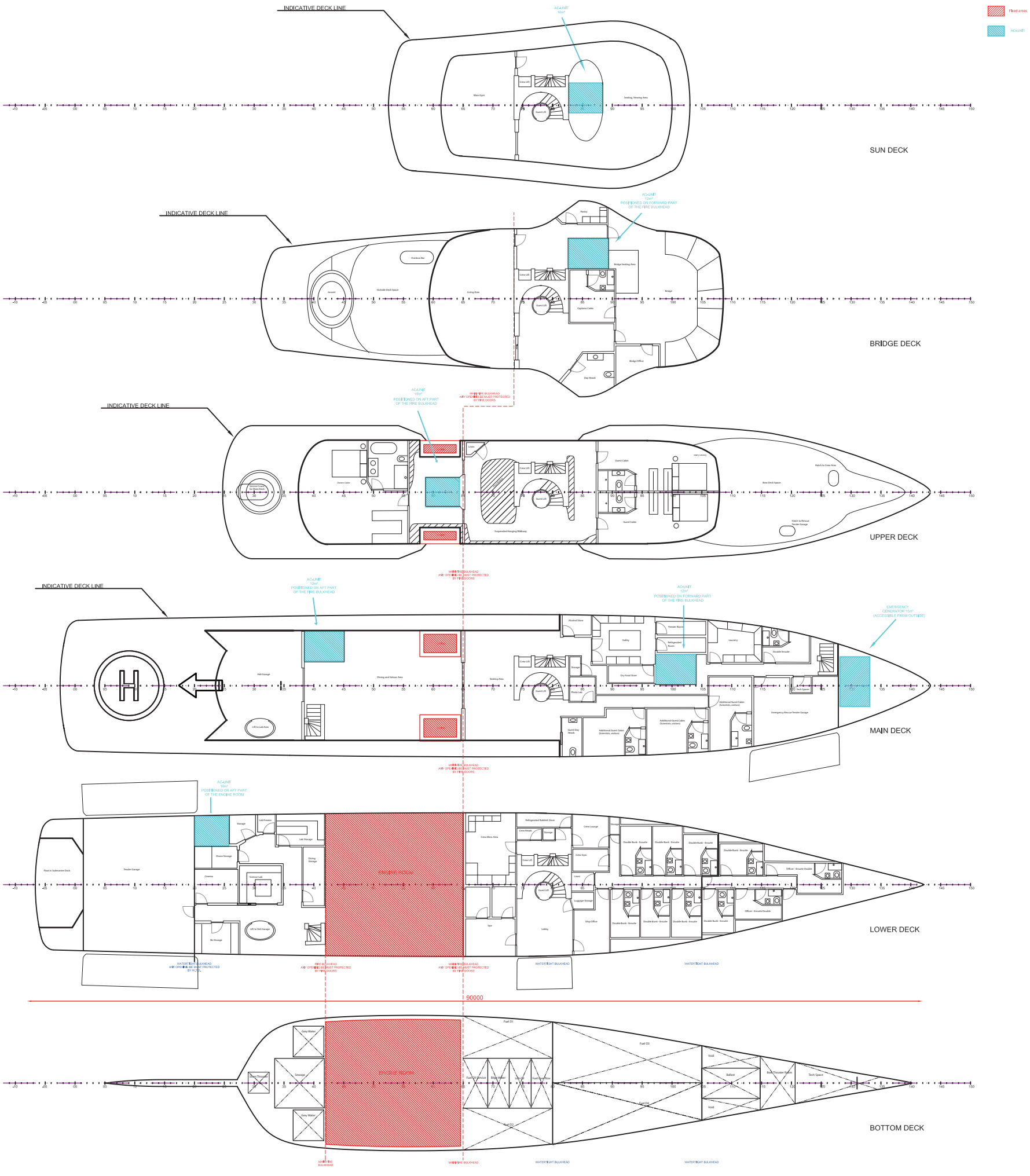




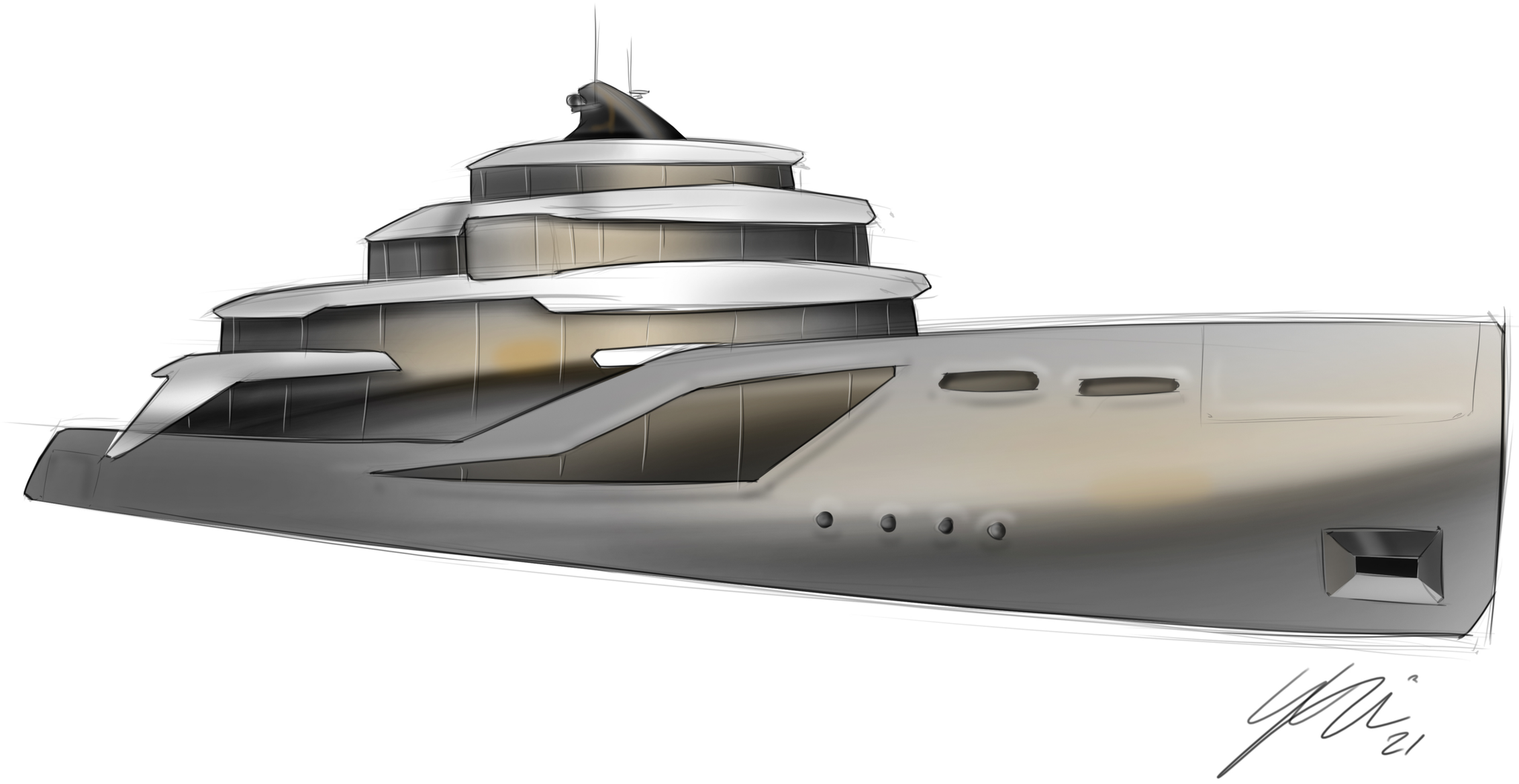





SUN DECK
BRIDGE DECK
UPPER DECK
MAIN DECK
LOWER DECK
BOTTOM DECK
waterline
baseline
TECHNICAL SPACE
90000


INDICATIVE DECK LINE
AC-UNIT
12m²
POSITIONED ON FORWARD PART
OF THE FIRE BULKHEAD
Fixed areas
AC-UNIT
SUN DECK
Outdoor Bar
Outside Deck Space
Living Area
Crew Lift
Guard Lift
Captains Cabin
Bridge Seating Area
Bridge
Bridge Office
Day Heads
BRIDGE DECK
AC-UNIT
10m²
POSITIONED ON AFT PART
OF THE FIRE BULKHEAD
MAIN FIRE BULKHEAD
ANY OPENING MUST PROTECTED
BY FIRE DOORS
Owners Cabin
Owners Ensuite Cabin
Owners Dressing Cabin
Crew Lift
Guard Lift
Suspended/Hanging Walkway
Guest Cabin
Bow Deck Space
Hatch to Crew Area
Hatch to Rescue Tender Garage
UPPER DECK
Heli Garage
Dining and Saloon Area
Seating Area
Alcohol Store
Gallery
Pantry
Refrigerated Room
Freezer Room
Laundry
Double Ensuite
Dry Food Store
Photo Lab
Storage
Crew Lift
Guard Lift
Lift to Lab Area
Additional Guest Cabin
(Extendable, ensuite)
Guest Day Heads
Emergency Rescue Tender Garage
EMERGENCY
GENERATOR 15m²
(ACCESSIBLE FROM OUTSIDE)
MAIN DECK
AC-UNIT
15m²
POSITIONED ON AFT PART
OF THE ENGINE ROOM
Float in Submarine Dock
Tender Garage
Storage
Lab Freezer
Lab Storage
Drone Storage
Cinema
Science Lab
Diving Storage
Lift to Heli Garage
Ski Storage
Engine Room
Crew Mess Area
Refrigerated Rubbish Store
Crew Mess
Crew Lounge
Crew Gym
Linen
Luggage Storage
Spa
Lobby
Ship Office
Double Bunk - Ensuite
Officer - Ensuite Double
WATERTIGHT BULKHEAD
ANY OPENING MUST PROTECTED
BY FLOOR
FIRE BULKHEAD
ANY OPENING MUST PROTECTED
BY FIRE DOORS
MAIN FIRE
BULKHEAD
LOWER DECK
90000
Grey Water
Sewage
Void
Fuel Oil Service
Fresh Water
Lube Oil
Fuel Oil Service
Ballast
Bow Thruster Room
Tech Space
BOTTOM DECK



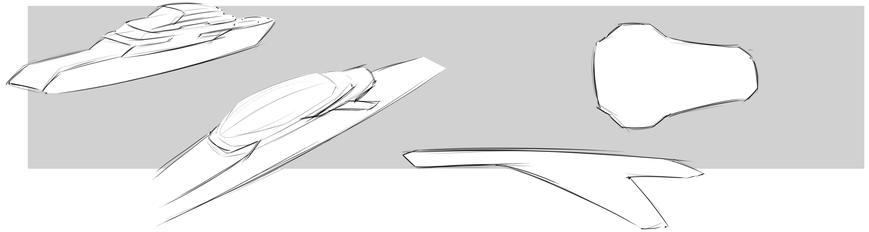




HYBRID EXPLORER 90M CONCEPT

WILL PICKANCE





THIS YACHT IS DESIGNED TO EXPLORE THE HIGH LATITUDES IN EXTREME LUXURY, ALLOWING GUESTS AND OWNER TO ENJOY UNTOUCHED LANDSCAPES. AT THE SAME TIME ON BOARD LABS ALLOW SCIENTIFIC RESEARCH TO OCCUR MAKING IT MORE ACCESSIBLE, THEREFORE GIVING BACK TO THE ENVIRNOMENT.
GUESTS WILL ALSO BE ABLE TO ENJOY A VAST VARIETY OF ACTIVITIES FOR HELI-SKIING TO DIVING AND PLAYING ON TENDERS.







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