

Yacht Support Vessel Build Options



SHADOW  CAT



Naval Architect: Incat Crowther
Exterior Designer: Shadow Cat
Interior Designer: Richard Halberg / Shadow Cat
Shipyard: Astilleros Armon
Project Management: YCTS

Length Overall: 66.20 m
Length Waterline: 64.80 m
Beam: 14.00 m
Draft Hull: 2.3 m
Depth: 5.45 m
Special Personnel: 20
Deck Area: 659 sqm
Fuel: 160 000 litres
Fresh Water: 20 000 litres
Grey Water: 16 750 litres
Black Water: 3 200 litres

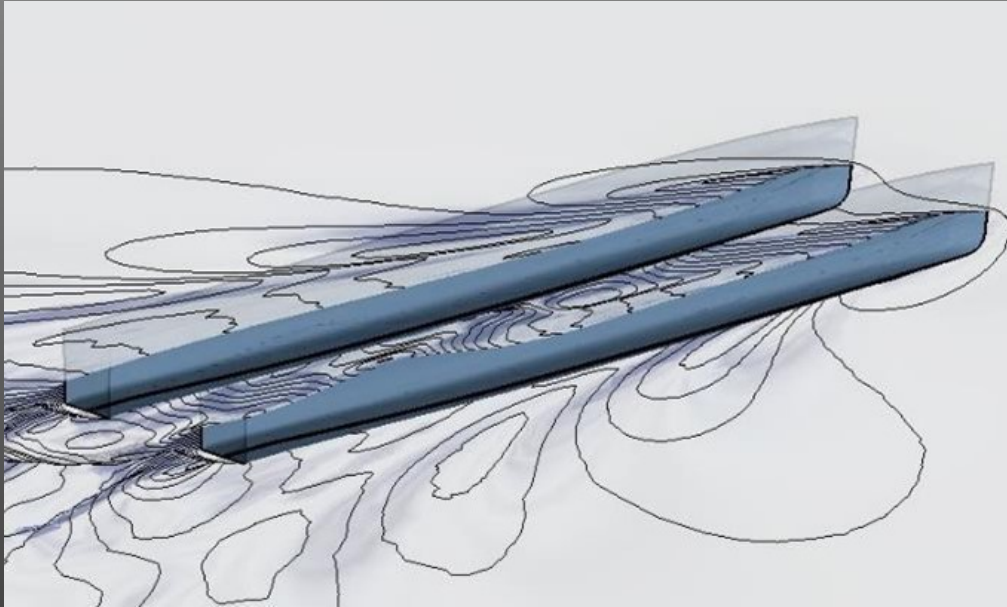
Service Speed: 21 knots
Maximum Speed: 22.5 knots
Range: 5 500 nm @ 14 knots
Main Engines: 2 x MTU 16V 4000 M73L SCR
Installed Power: 2 x 2 880 kW at 2,050 rpm
Propulsion: 2 x Servogear controllible pitch propeller
Generators: 2 x CAT C9.3
Construction Material: Marine Grade Aluminium



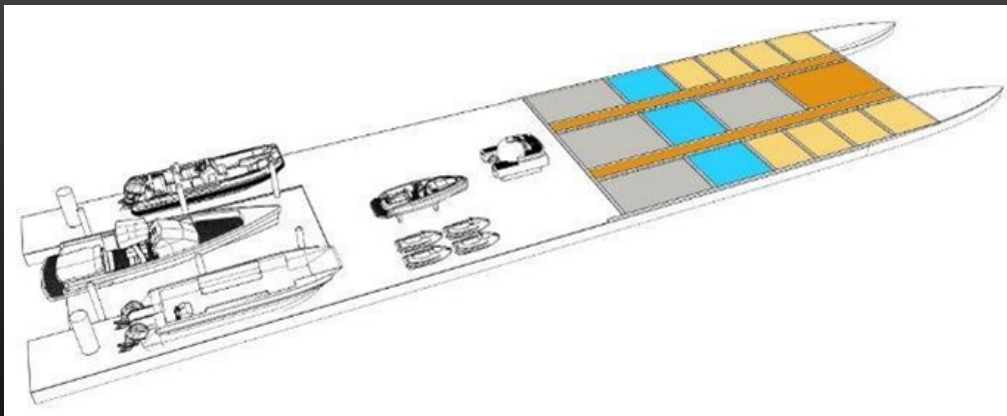
2019 SHADOW CAT SUPPORT VESSEL BUILD

Catamaran Features

A basic layout for a 74m x 16m size platform is capable to offer the following particulars and features:



Render of Computer Fluids Dynamics (CFD) analysis



Main Deck concept arrangement

- Gross tonnage approx 1800GT
- Speed = 22knt (max) , 18knt (cruise)
- 2 Main Engines
- Draft = 3.5m to propeller tip
- Range = 5500nm at 14knt or 4000nm at 16knt with approximately 200,000L of fuel
- Accommodation \leq 28 (18 Crew and 10 Staff)
- Huge external deck area up to 700m²
- Deck Cranes up to 11t @ 6m
- Heli Deck D value = 16m (max take off weight 7t)
- Tenders up to 17 meters long

Shadow Vessel Flexibility

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Plentiful storage plus Lift Platform for quick deployment



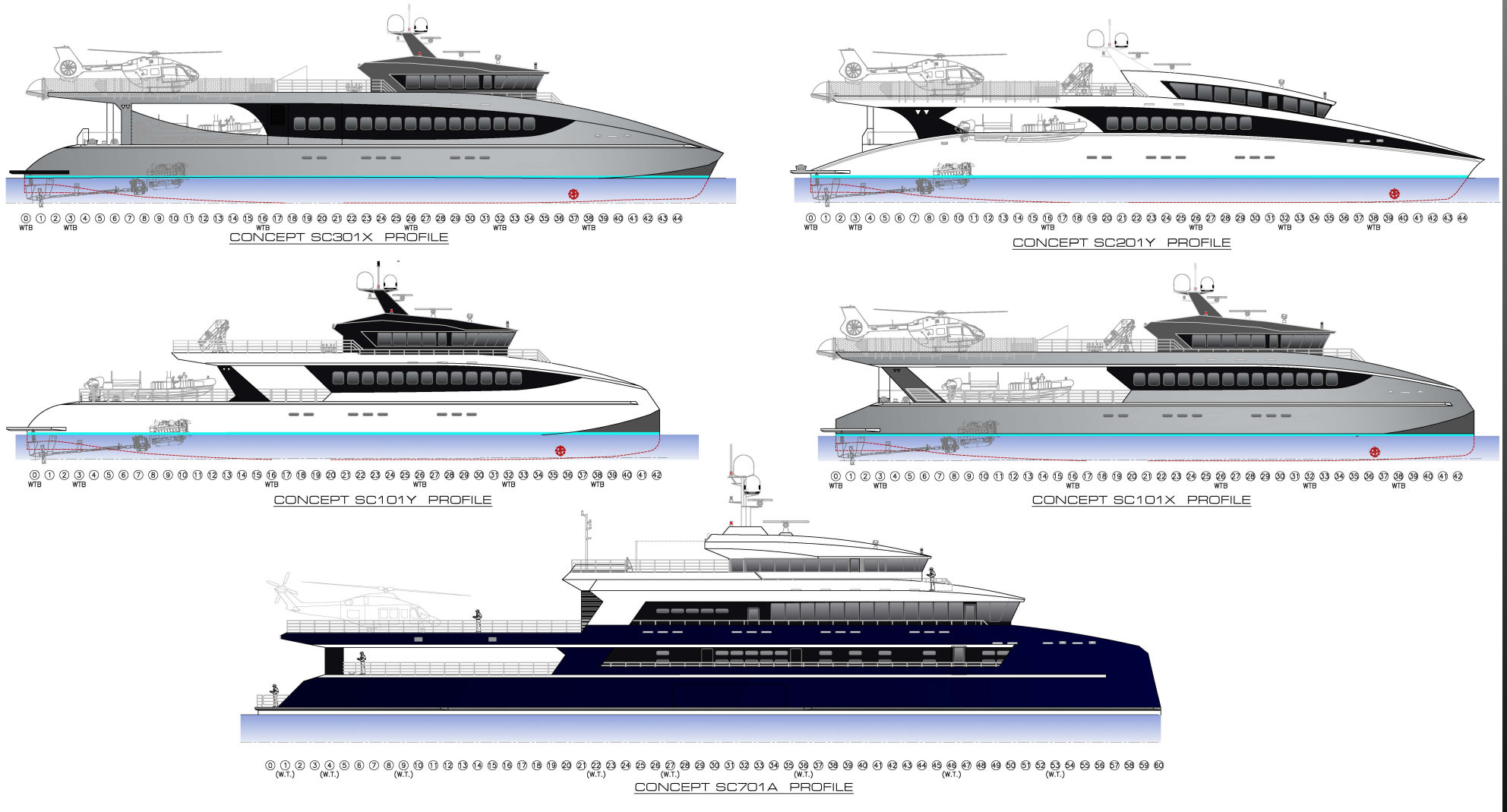
Deck space for multiple vessel types with Heli Pad

The flexibility and unparalleled storage capability allows for a variety of support possibilities:

- Sport fishing gear storage and vessels
- Scuba diving equipment and decompression
- Submersibles
- Safe Helicopter operations, hangar and support
- Pilot cabin space
- Tenders and water sport vessels
- ATV's, motorbikes, and car/truck transport
- Owner lounge and beach areas
- Owner, Staff and VIP suites
- Spa and wellness facilities
- Cigar room
- Gaming space
- Basketball, Volleyball, and Pickleball courts
- Urban farm for self-sustaining fresh produce
- Gym facilities
- Shop space for repairs
- Sonar lab for underwater exploration
- Hiking, Rock climbing gear storage
- Surfboards, windsurfing equipment storage

Exterior Styling

Customised by Exterior Designer to Owner's preference

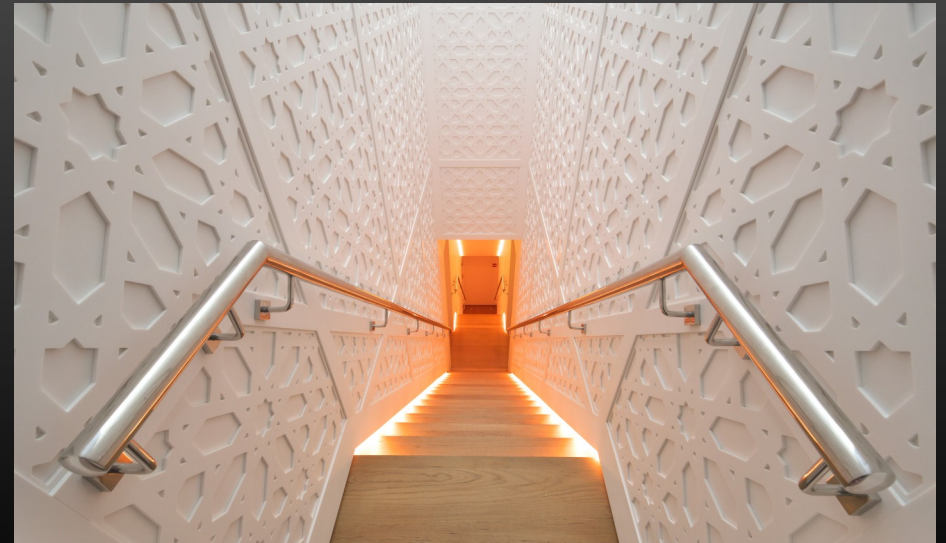


Interior Design

Customised by ShadowCat or owner's choice of Interior Designer to a high level Commercial Standard



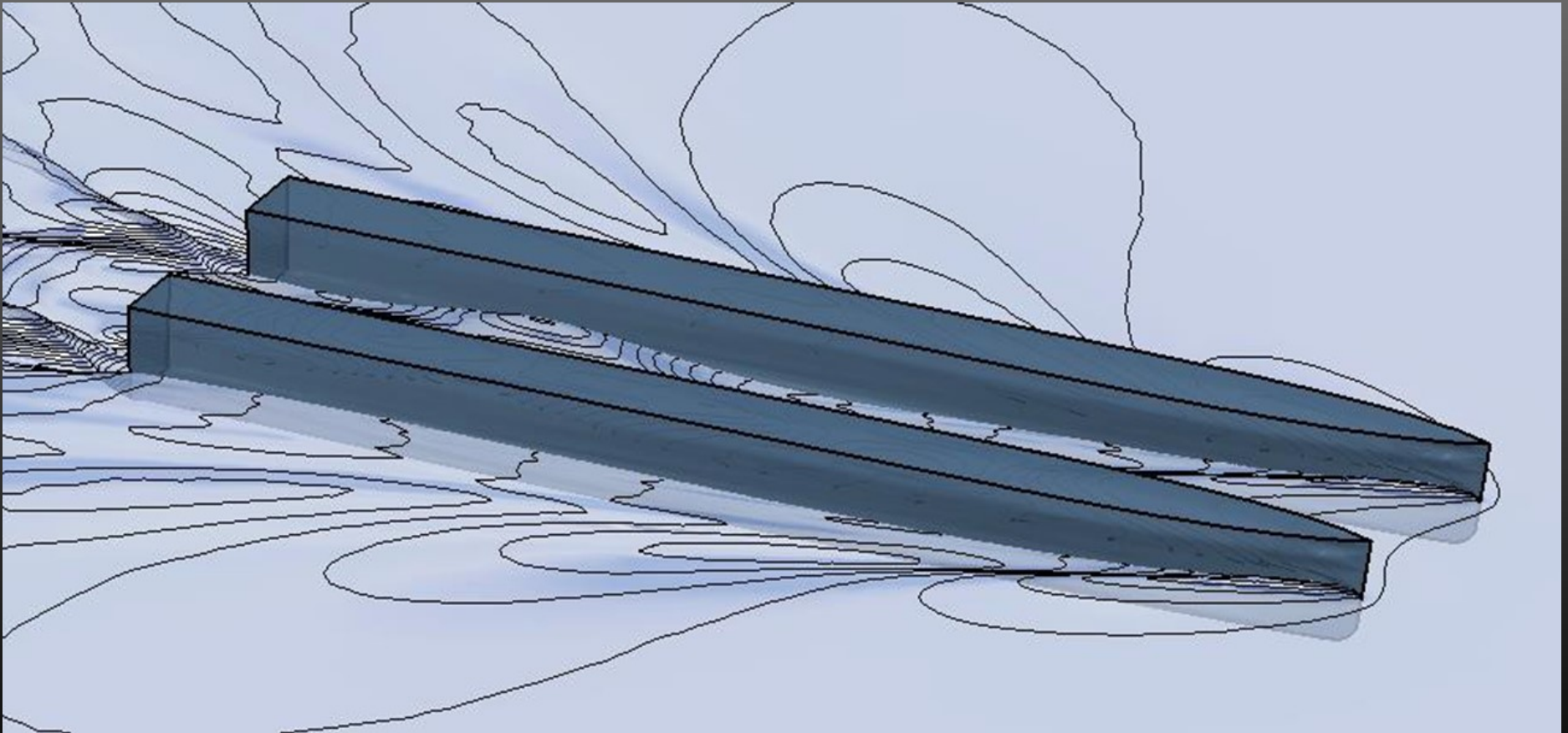
Option for yacht standard if owner areas are specified



Efficient Catamaran hulls

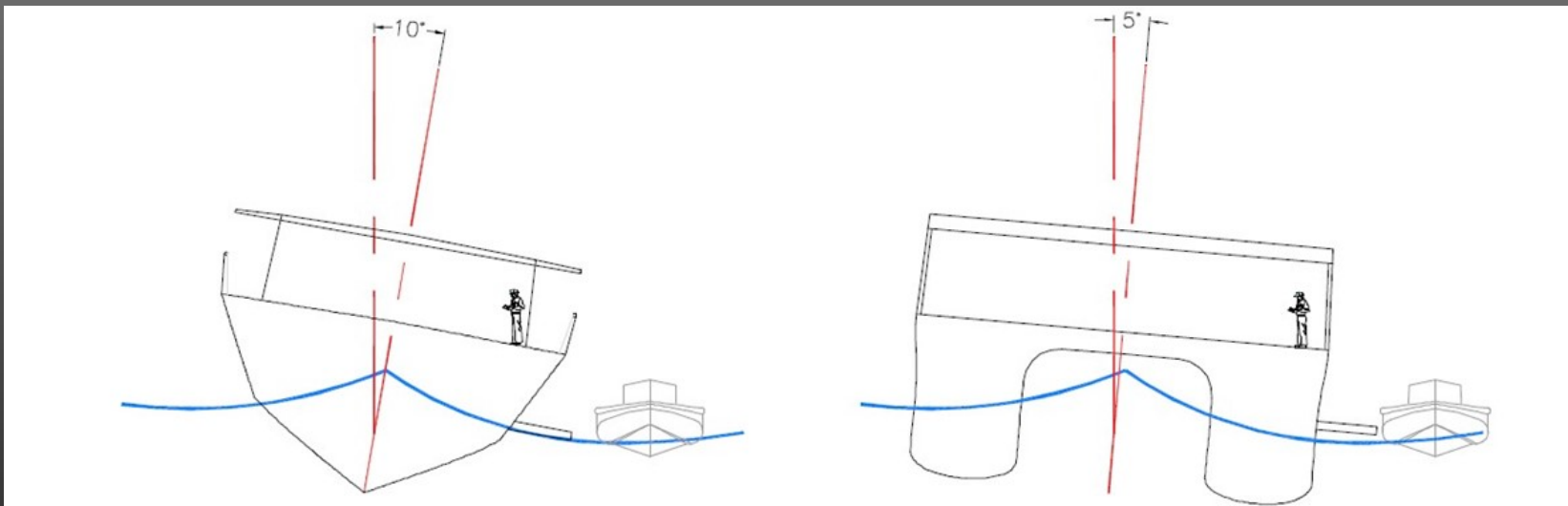
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- 18kn cruise / 22kn sprint, using only 2 main engines.
- 5500nm range at 14 knots / reduced fuel burn or 4000nm range at 16 knots
- Fuel load for 5500nm requires only 200,000 Litres (approx. 40% fuel savings on a comparable monohull)



Catamaran Platform Benefits

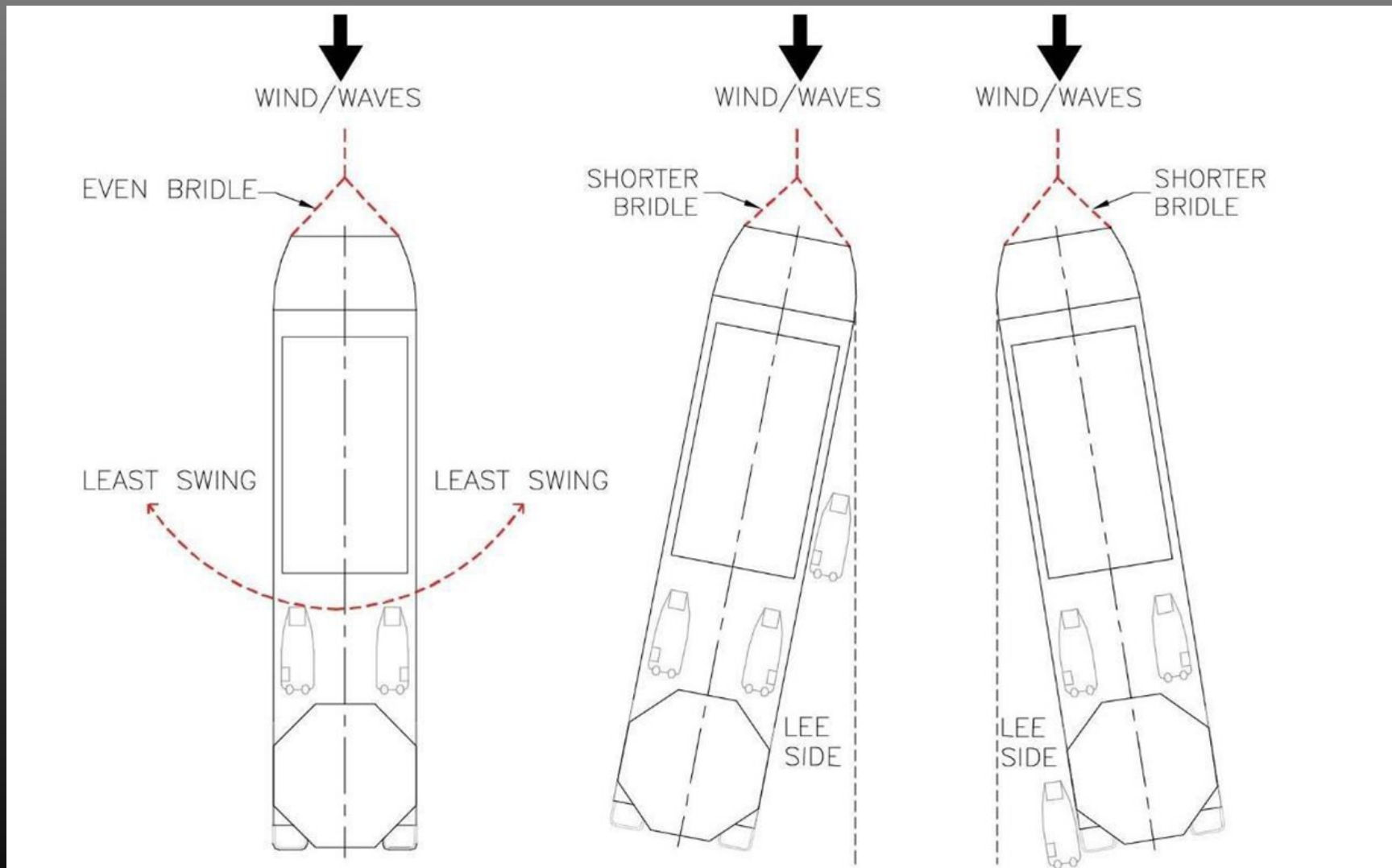
- The Catamaran platform is well suited to the Yacht Support role, with its wide beam and greater stability.
- The platform has been specifically designed to handle high loadings and high seas required to support a 80-120m Yacht.



- The catamaran has a larger deck area and more usable space compared to an equivalent monohull.
- The catamaran platform rolls less than a monohull.
- Increased stability allows for safer tender launch and recovery and tender guest and crew transfers.
- Increased stability allows safer helicopter operations in rough weather.

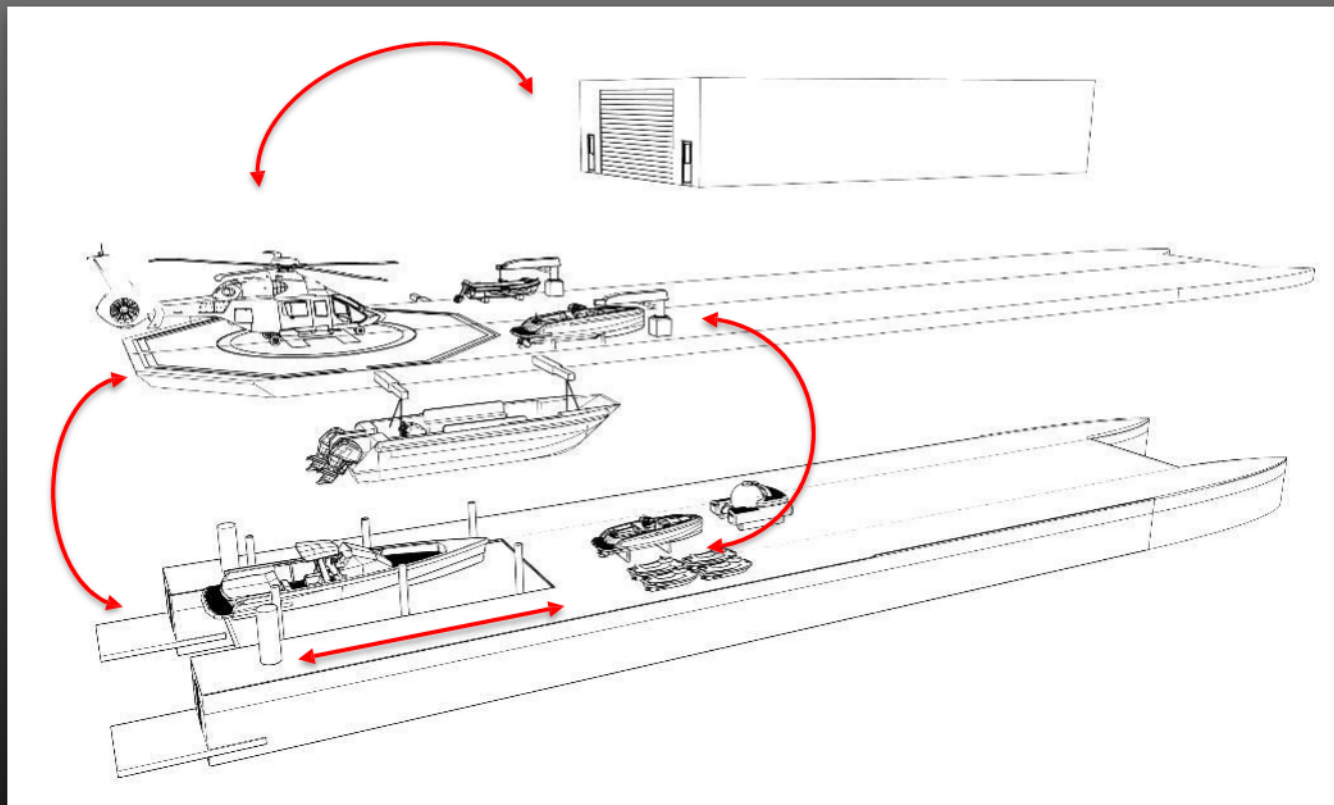
Stability at Anchor

The Catamaran platform is very stable at anchor. The option to use a wider bridle reduces roll and swing on anchor.



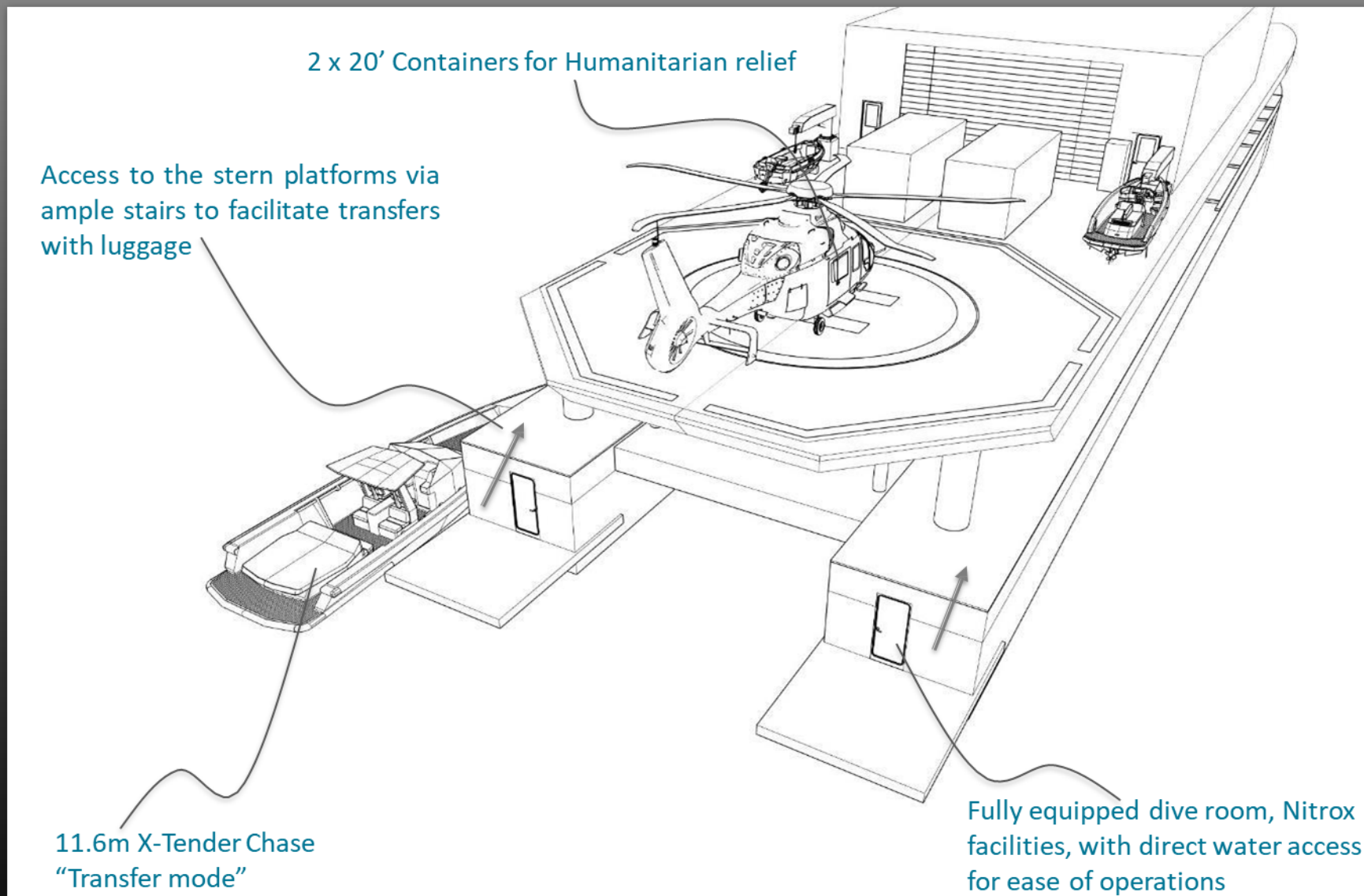
Open Platform Customisation

- Completely customised to owner's requirements and mission
- Robust and Reliable engineering using proven platforms and solutions
- Tried and tested in offshore, commercial ferry and yacht industries

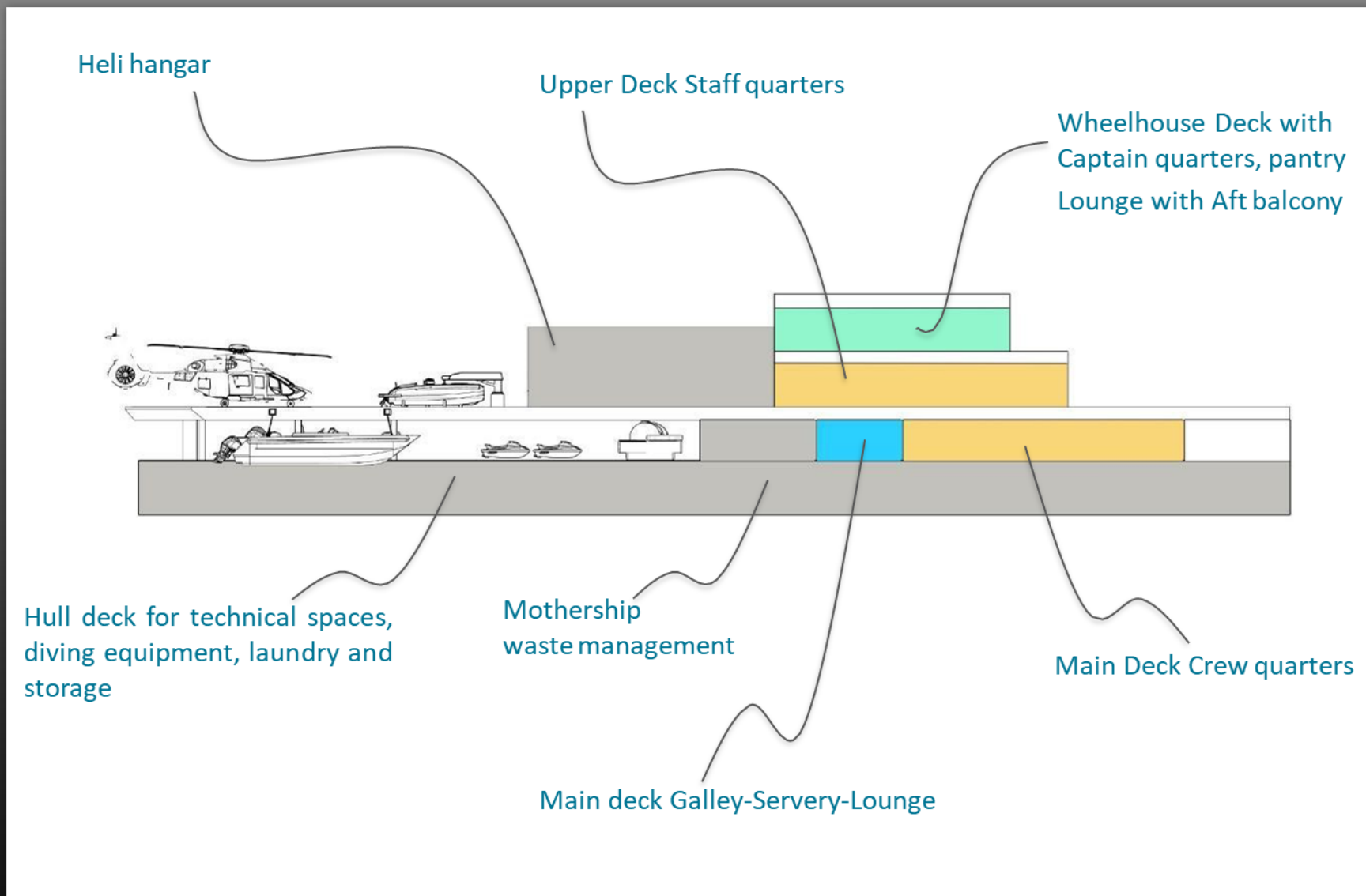


Space Flexibility Stability Efficiency Capability

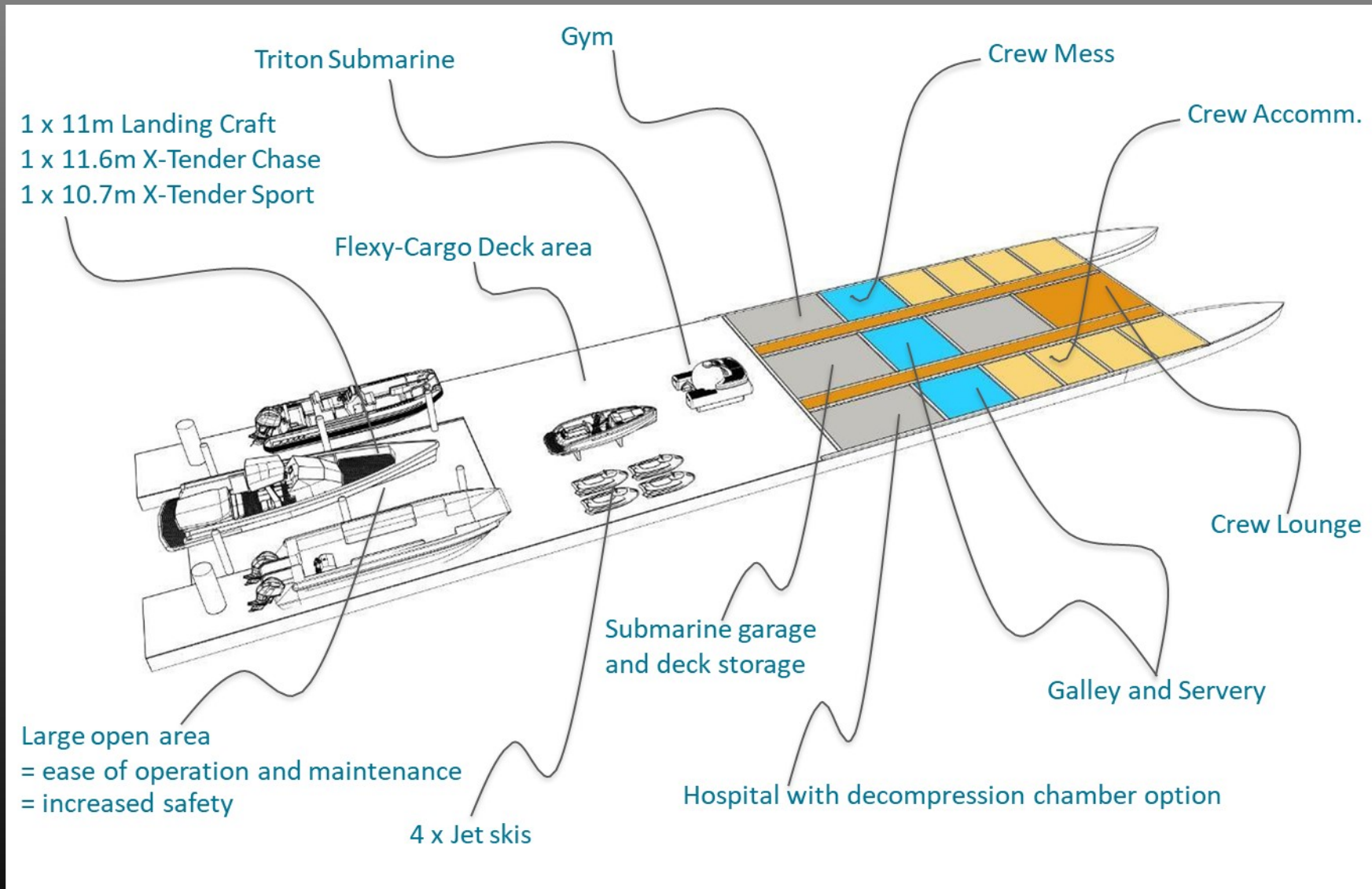
3D View - Sample Layout



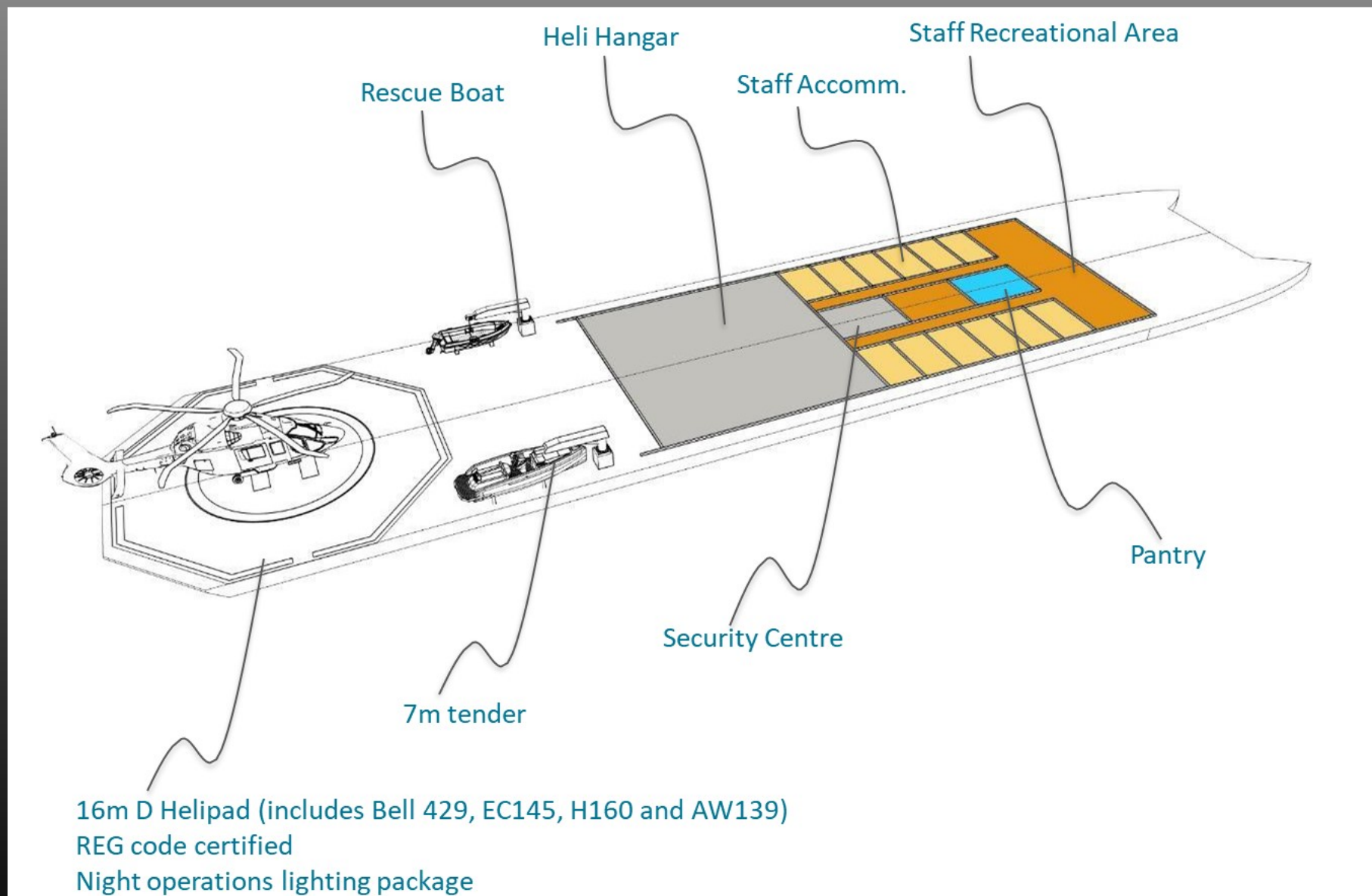
Sample Vessel Layout



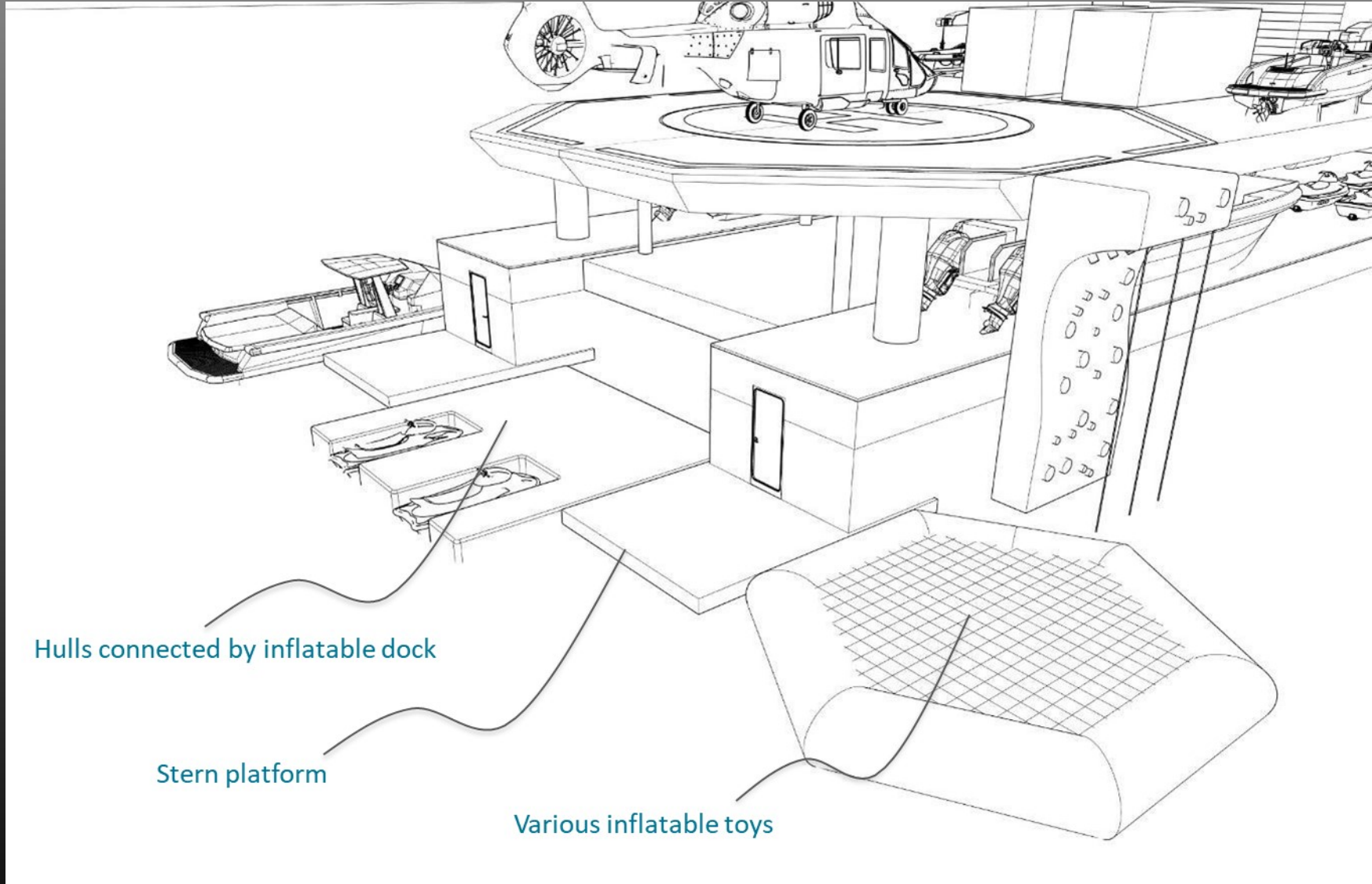
Main Deck - Sample Layout



Upper Deck - Sample Layout

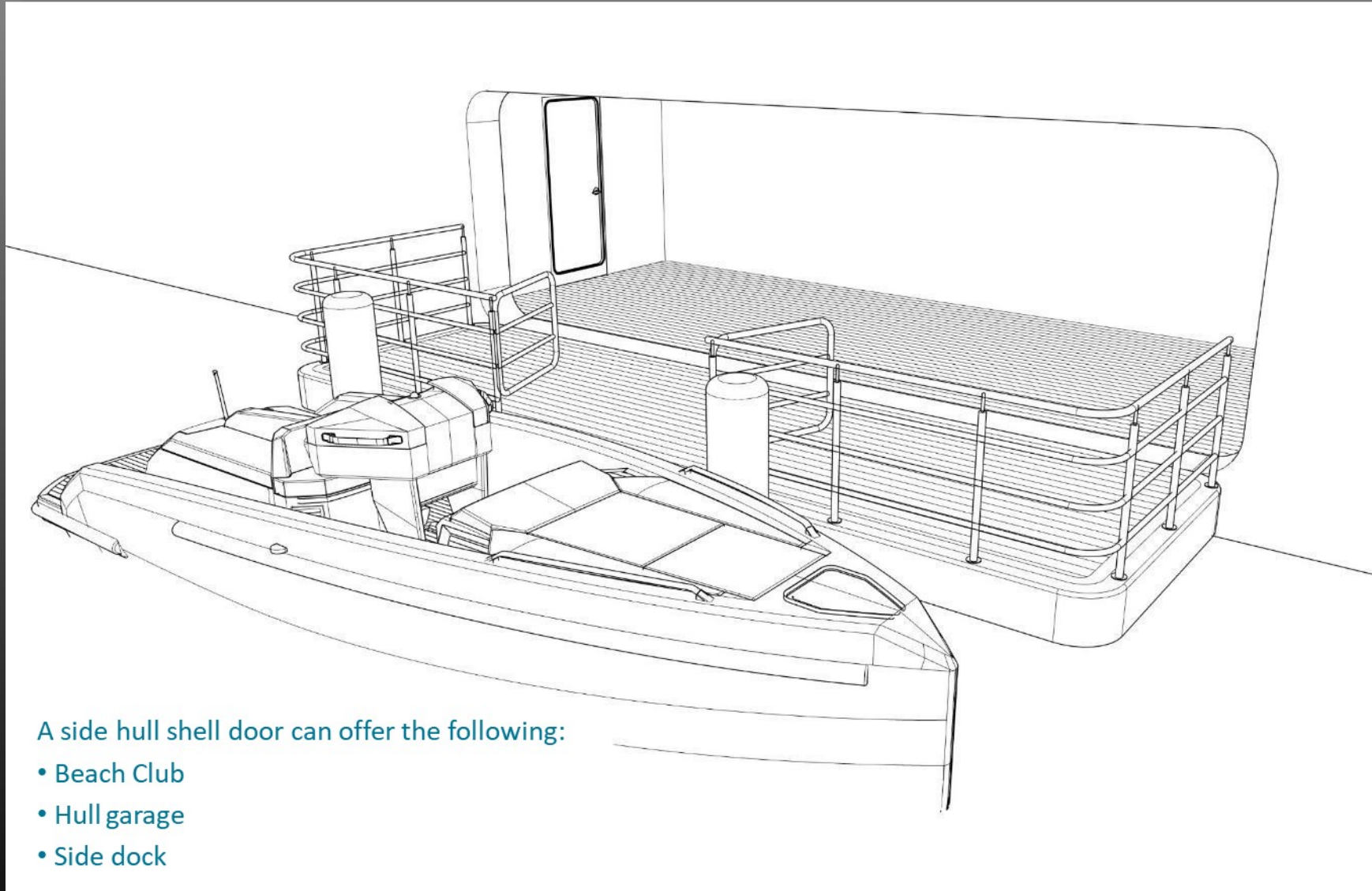


Inflatable Dock Option



Side Shell Door Options

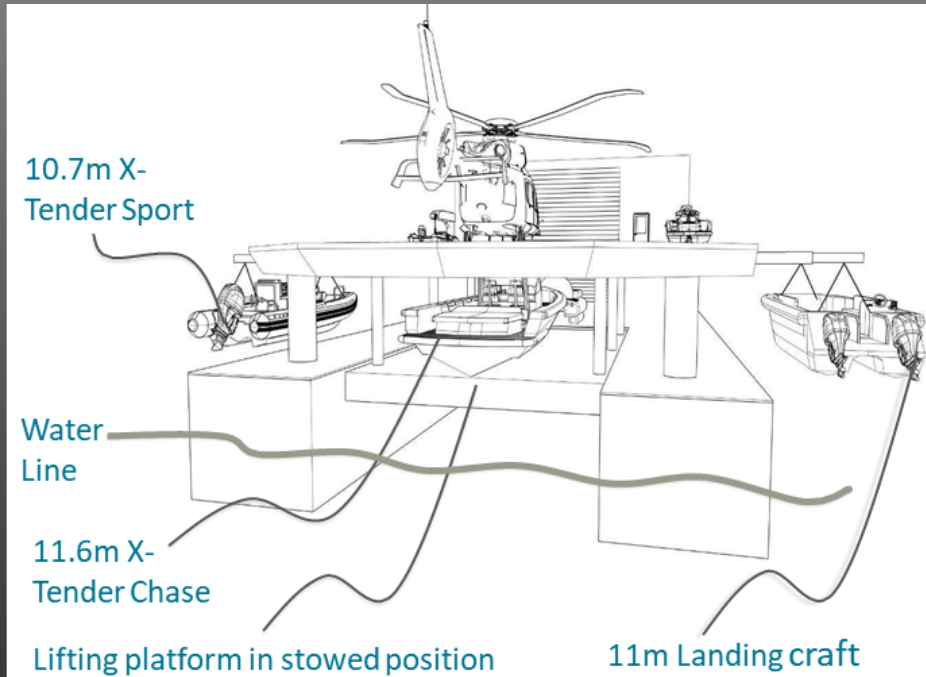
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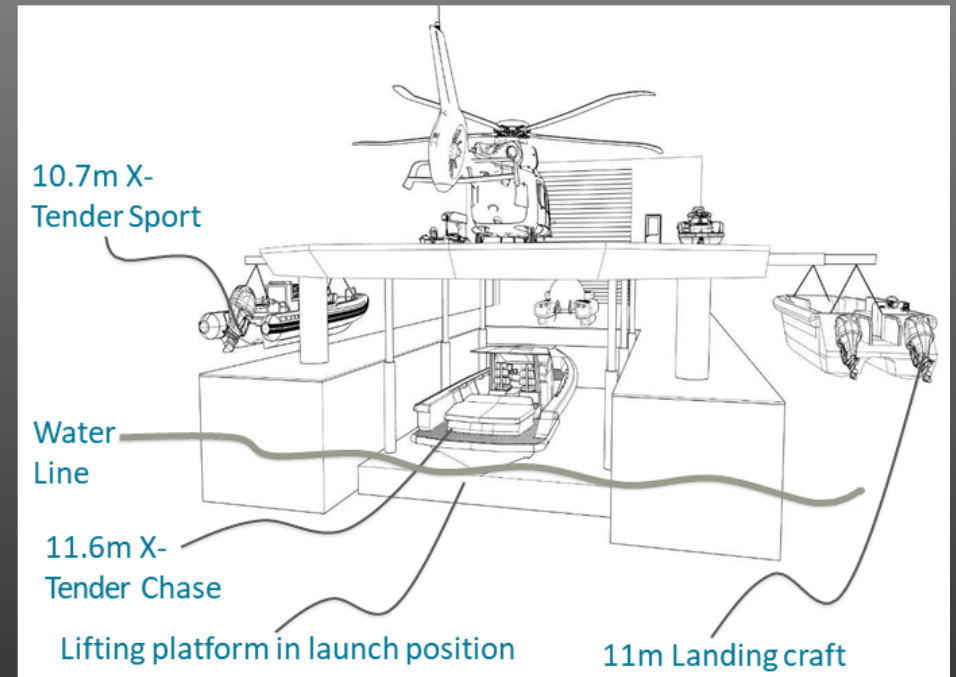
A side hull shell door can offer the following:

- Beach Club
- Hull garage
- Side dock

Tender Lift Platform Option

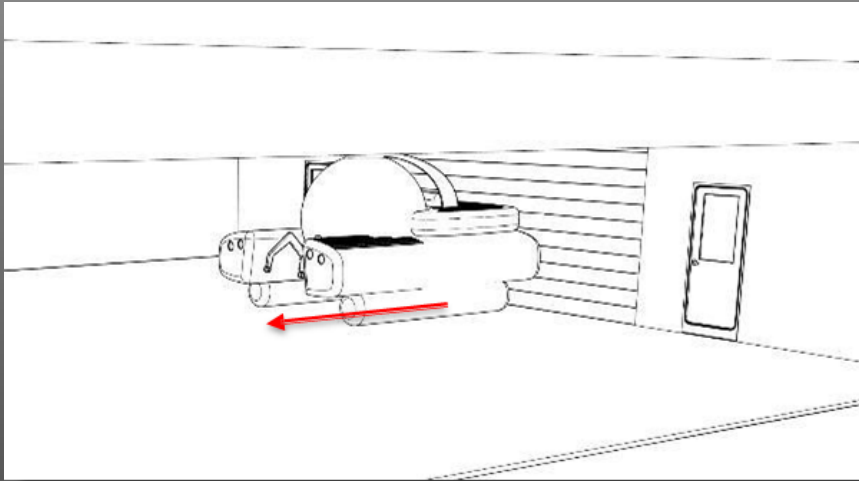


Stowed Position

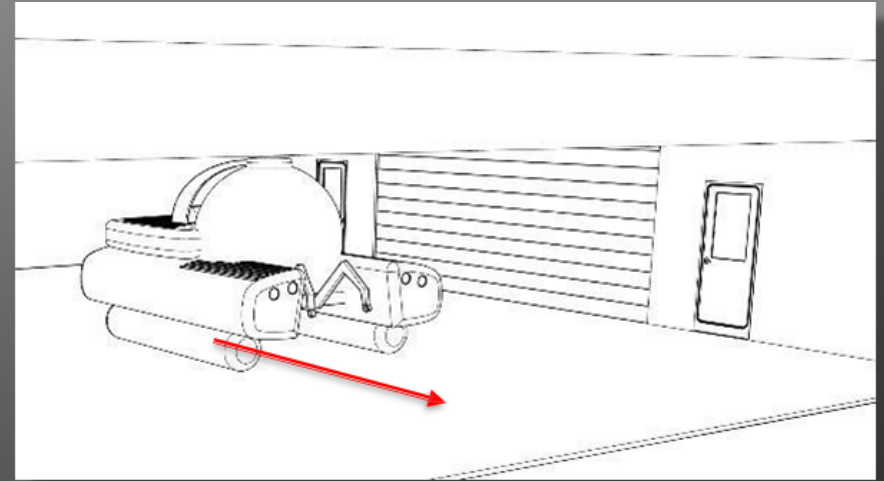


Launch Position

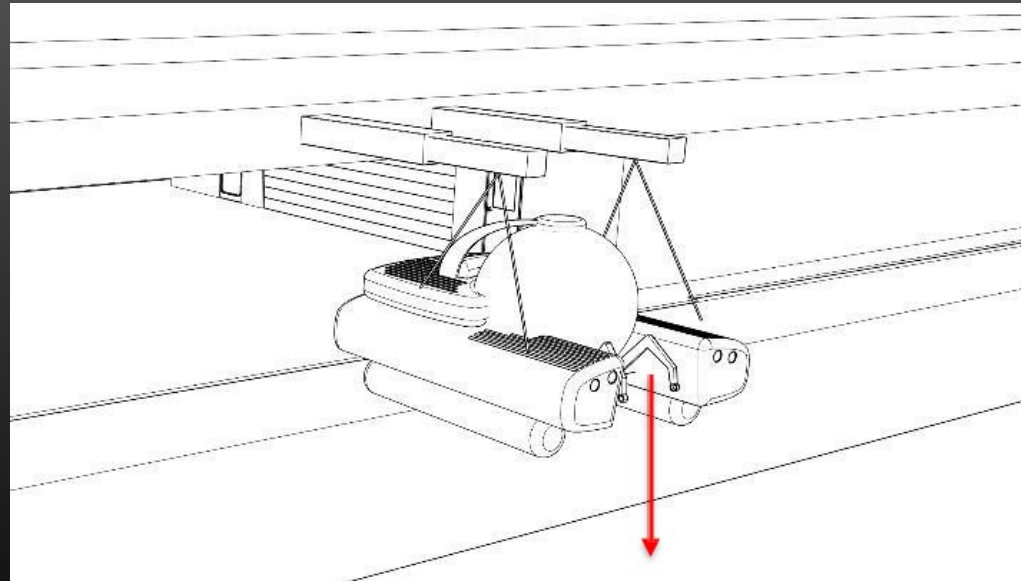
Submarine Launch Operation



The submarine is stowed in a garage on main deck, ready to be deployed.

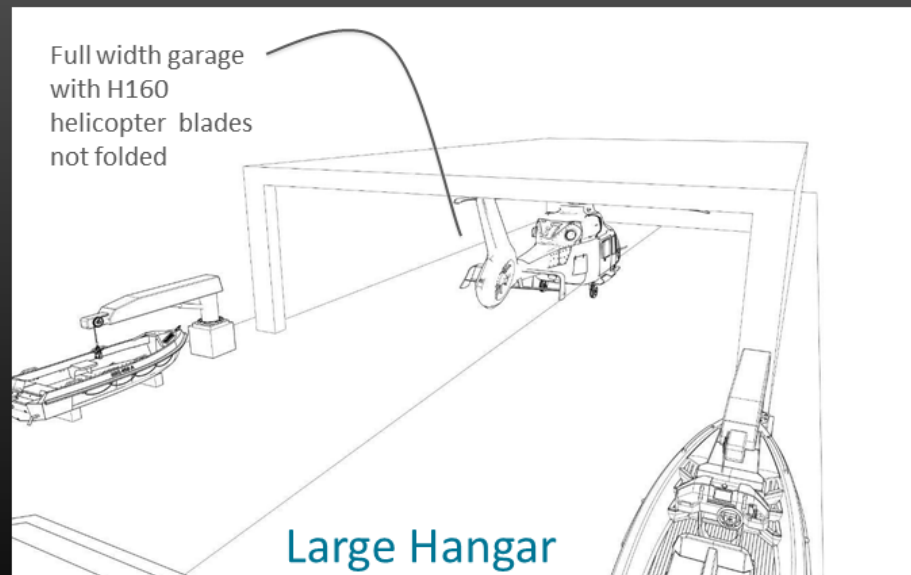
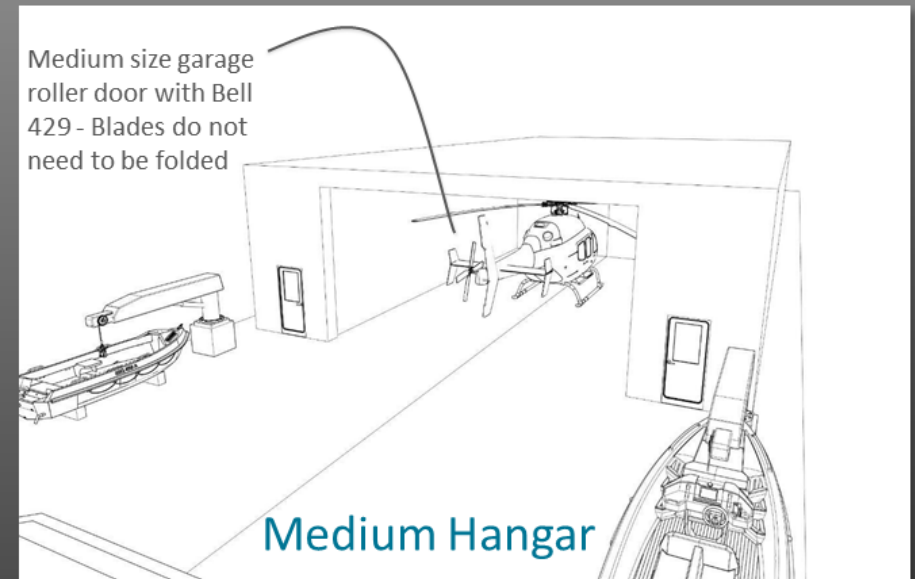
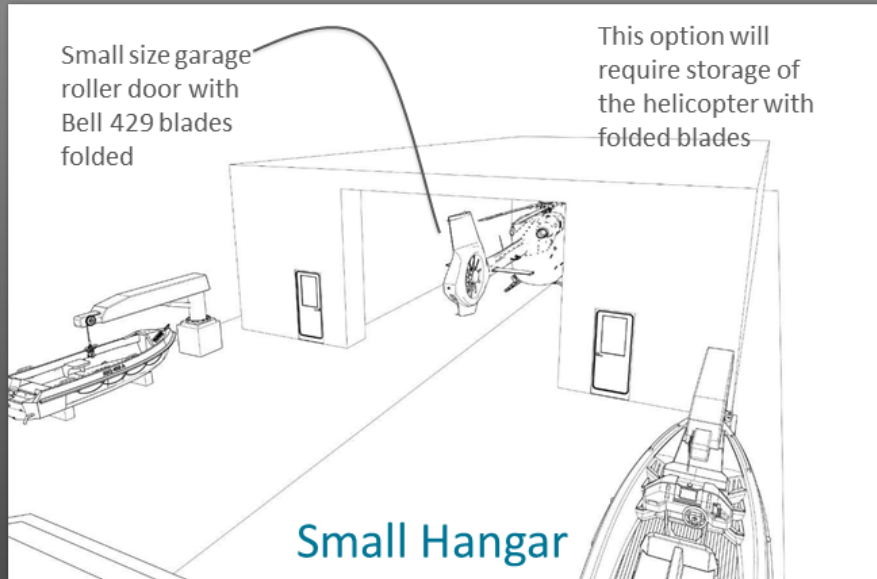


Launching is by beam crane.

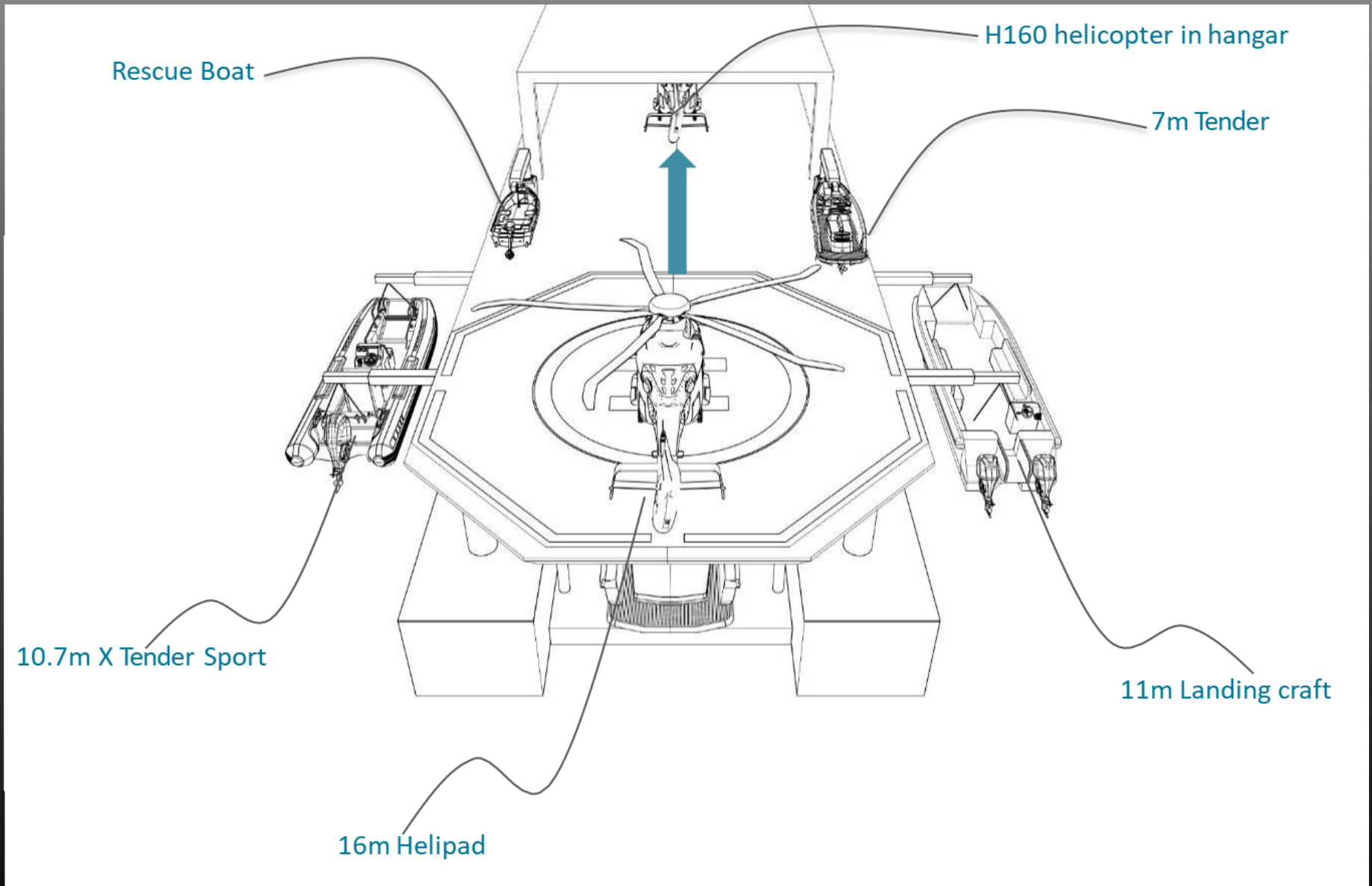


Launch and Recovery of the submarine safely

Helicopter Hangar Options



Helicopter Hangar 3D View



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