

# SOV ATLAS

## VESSEL MISSION

The Support Operation Vessel (SOV) will provide a stable platform and accommodations for servicing offshore wind farms during initial installation, assisting with the construction and installation of the individual wind turbines, and continued maintenance over the windfarm's operation. It will be Jones Act compliant and operate year-round up to 100 miles offshore along the U.S. East Coast.

## PRINCIPAL CHARACTERISTICS

LOA	89 m
LBP	80 m
Beam	19 m
Depth	8 m
Design Draft	4,4 m
Maximum Speed	18 knots
Cruising Speed	14 knots
Endurance	30 days
Range	8000 nm

## COMPLIMENT

80 People on Board  
8 Officer Single Berths  
6 Crew Double Berths  
23 Offshore Worker Double Berths  
7 Offshore Hotel Staff Double Berths

## PROPULSION

3x Caterpillar C3516B Diesel Genset  
1x Caterpillar C32 Emergency Diesel Genset  
2x Azipod DO1100A  
1x Wärtsilä LMT FS175MNR Retractable Bow Thruster  
Dynamic Positioning Class 2 Station Keeping

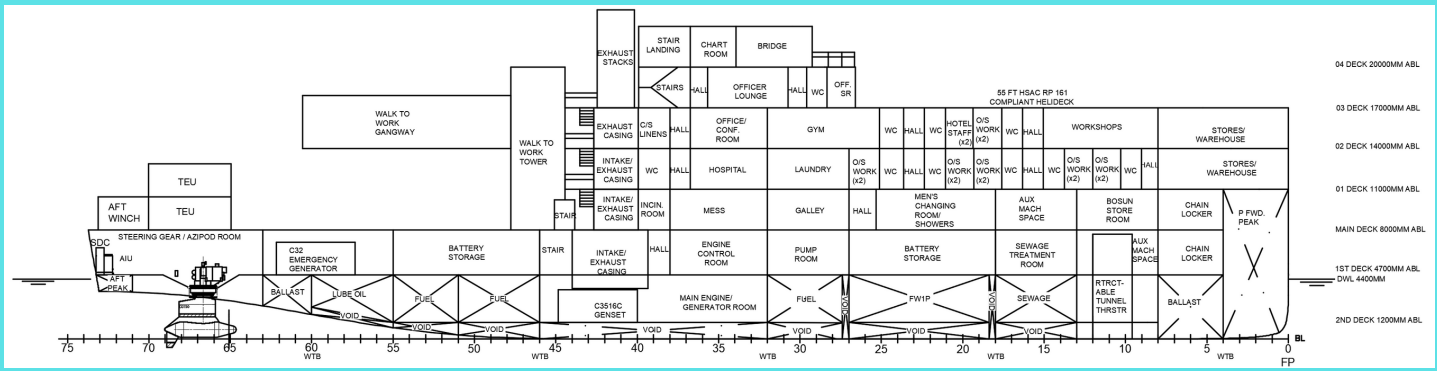
## MISSION FEATURES

HSAC RP 161 55 ft Diameter Helideck  
1000 Sqft Workshop Space  
3000 Sqft Warehouse / Storage Space  
2000 Sqft Deck Space  
1000 Sqft Office Space  
Corvus Energy Orca Batteries with 14940 kWh Capacity  
39 ft Palfinger FRSQ 1200 A FRDC Daughter Craft  
82 ft 49LT SWL SMST Heave Compensated Crane  
Barge Master Height Adjustable Motion Compensated  
Walk to Work Gangway

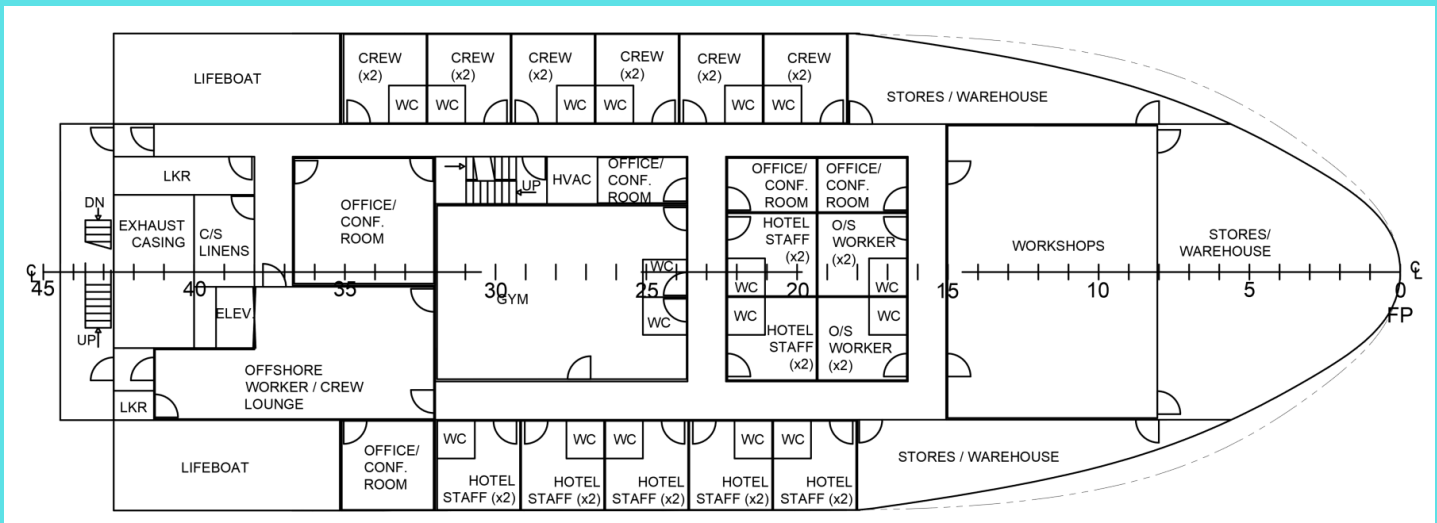
### Team Leader Contact:

Luke Sullivan, lsullivan23@webb.edu

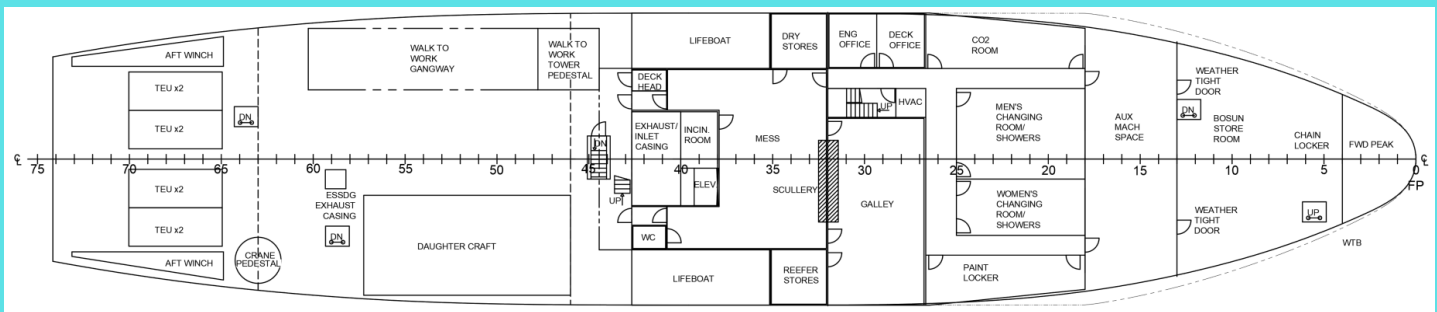
# General Arrangement - Key Decks



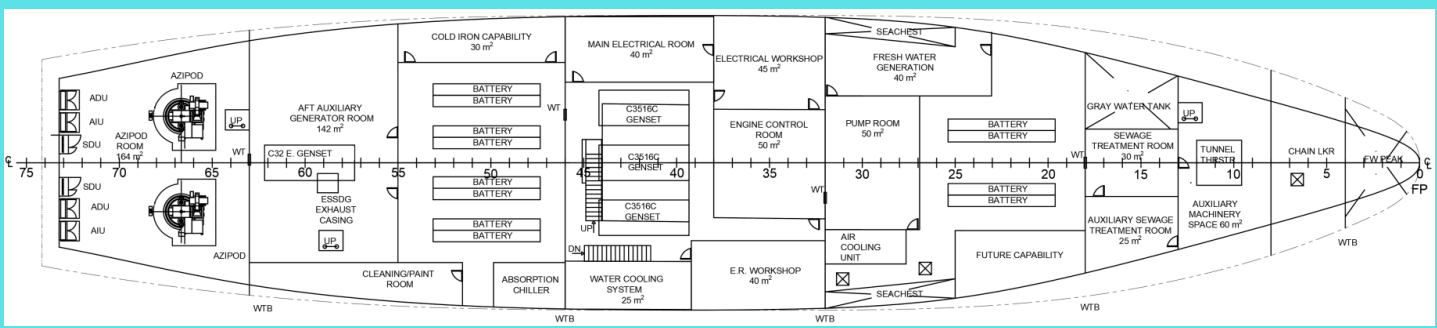
INBOARD PROFILE



REPRESENTATIVE ACCOMODATION DECK



MAIN DECK



MACHINERY DECK



SALT Maritime

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# Offshore Wind SOV

Meet the Team

**Si Cong Chen**

Hometown: Brooklyn, NY

Experience: NETSCo R&D Renewable Energy Intern, Vineyard Wind Electrical Substation Intern, MECC Model Tank Lead, NASSCO Advanced Structural Design Intern

Interests: Ping Pong, Wood Carving, Bouldering

Career Plans: Offshore Wind Engineering and Management

**Thomas Giannuzzi**

Hometown: Merrick, NY

Experience: Brookhaven National Laboratory Biology Workshop, Detyens Shipyards Managerial Intern, USCGC Lilac Lighthouse Tender Intern

Interests: Math, Problem Solving

Career Plans: Software Engineer

**Luke Sullivan**

Hometown: Midland Park, NJ

Experience: Detyens Shipyards Inc., USS LEXINGTON, BMT Designers and Planners, Bruce S. Rosenblatt and Associates LLC

Interests: Swimming, Sailing, Scuba Diving

Career Plans: Business School and Project Management

**Adriana Torres Rodriguez**

Hometown: Houston, TX

Experience: Metal Shark Boats Production Intern, DTU Wind Energy Course, MECC Market Analysis Lead, General Dynamics NASSCO Systems Engineering Intern

Interests: Swimming, Woodworking, Knitting, Reading

Career Plans: Renewable Engineer