

VESSEL CAPABILITIES



A-frame gallews

Able to deploy heavy equipment, such as monitoring buoys and underwater robots

Removable pod lab

Interchangeable for different research groups

Multiple winches

Sight lines allow all winches to be operated from the pilothouse

Dive locker

Equipment for scuba diving

Radar, weather monitoring, and communications

Collects data and allows ship-to-shore communication

Pilothouse

Orchestrating ship's operations

Data visualization and classroom

Space for up to 24 students and monitor array for displaying real-time data

Captain's quarters

Close to pilothouse

Environmental chamber

Allows collection of live organisms

Wet lab and dry lab

800-square-foot lab space allows scientists to conduct experiments on the water

Dynamic Positioning Propulsion System

Holds position even against current

Side gallews and hydrographic winch

Sends signals to and collects data from instruments deployed under water

Engine room

Vegetable-based fuels and lubricants

Crew's quarters

Accommodations for 18 scientists and crew extend vessel's range and allow it to stay at sea longer

Sensors

Collect real-time data while in transit

Bow thruster

Greater maneuverability