



# OFFSHORE OCEANOGRAPHIC SCIENCE VESSEL (OOSV)

As part of the National Shipbuilding Strategy, Seaspan Shipyards will build the Offshore Oceanographic Science Vessel (OOSV), a modern and versatile science research vessel.

Designed to serve the needs of the Canadian Coast Guard (CCG), the OOSV will be the primary oceanographic science platform for Fisheries and Oceans Canada (DFO). OOSV is outfitted for marine surveys and scientific research on ocean currents and the seabed. It will also monitor interactions of the ocean with winds and waves. A key part of its mission will be increasing our understanding of the impact of climate change on oceans.

In addition to serving the diverse needs of oceanographic researchers, the OOSV is capable of performing other important missions including search and rescue, environmental protection, and aiding navigation. This vessel will be operational year round on Canada's Atlantic coast, in the Gulf of St. Lawrence, and in the Arctic during the summer.

## NATIONAL SHIPBUILDING STRATEGY VESSEL PROFILE

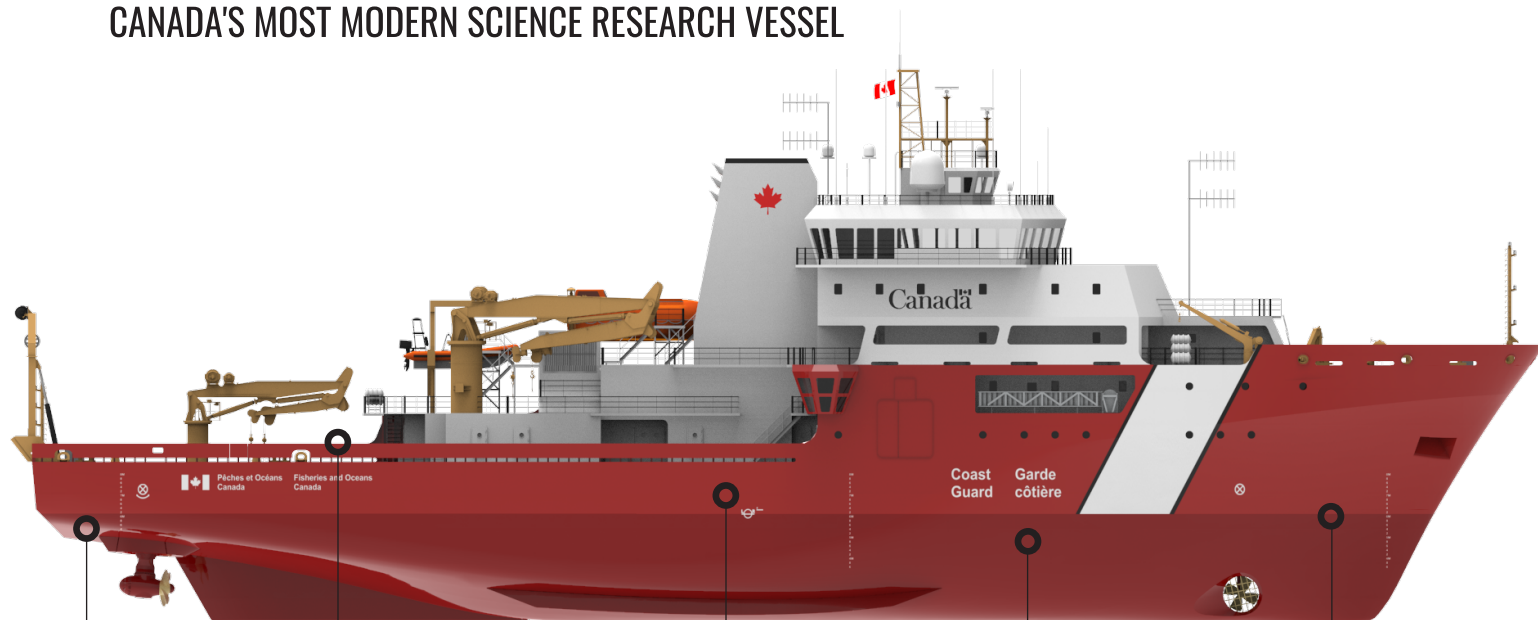
The OOSV will be the primary offshore oceanographic science platform for Fisheries and Oceans Canada.

A multi-task vessel, the OOSV will be capable of oceanographic, fishery, geological and hydrographic survey missions.

OOSV can perform Search and Rescue and contribute to our understanding of the impact of climate change on our oceans.

# OFFSHORE OCEANOGRAPHIC SCIENCE VESSEL

## CANADA'S MOST MODERN SCIENCE RESEARCH VESSEL



### DYNAMIC POSITIONING

Fitted with a system that controls the steering, propulsion and bow thruster to automatically hold the vessel in position, a critical function for most scientific missions.

### MULTI-MISSION CONFIGURABILITY

The main working deck of the vessel is designed with a grid pattern of threaded sockets that allows the deck to be rearranged to adapt to the specific needs of each scientific mission.

### SAMPLE COLLECTION

Capable of taking core samples up to 25 metres deep beneath the seafloor.

### ACOUSTIC SURVEY EQUIPMENT

Fitted with the most modern research acoustic survey equipment mounted both on the hull and in a drop keel.

### SEISMIC RESEARCH CAPABILITY

Equipped with three air compressors rated for 25,000 psi used in conducting seismic research.

## OFFSHORE OCEANOGRAPHIC SCIENCE VESSEL SPECIFICATIONS

Length Overall	87.9 m	Design Displacement	5,058 t	Complement	60 persons
Breadth	17.6 m	Max Speed	13.4 knots	Light Ship Weight	3,597 t
Design Waterline / Draft	6.2 m	Range	12,719 NM	Classification	Lloyd's 2018, Ice Class PC6

## NATIONAL SHIPBUILDING STRATEGY (NSS)

Seaspan Shipyards is proud to deliver Canada's non-combat program of work under the NSS. The company is building state-of-the-art ships in Canada for the Canadian Coast Guard and Royal Canadian Navy. Through its NSS-related work, Seaspan Shipyards is creating thousands of jobs, generating significant economic benefits, and rebuilding Canada's shipbuilding and marine industries.