

# SEASPAN SHIPYARDS: PROUDLY BUILDING SHIPS FOR CANADA'S COAST GUARD AND NAVY

## NATIONAL SHIPBUILDING STRATEGY (NSS)

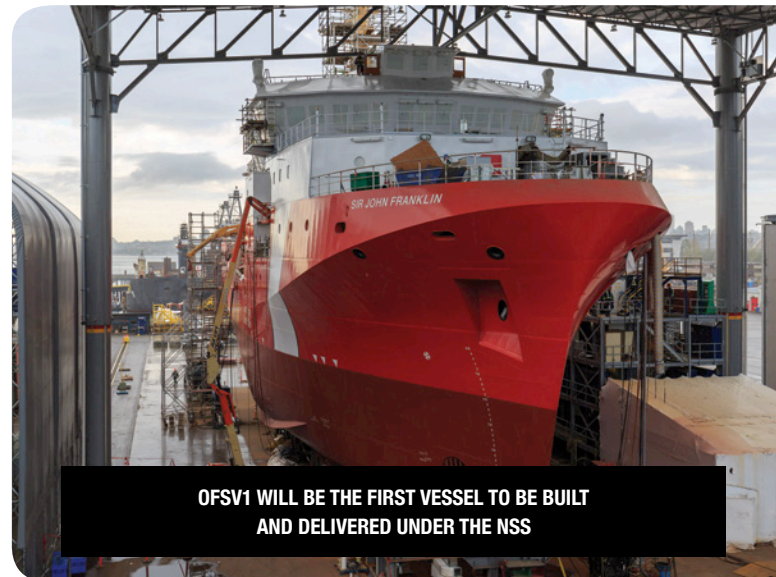
The Government of Canada has competitively chosen Seaspan Shipyards to be its Non-Combat Shipbuilder. This is a long-term relationship that will see Seaspan Shipyards deliver ships for the Canadian Coast Guard and Royal Canadian Navy. Under the NSS, Vancouver Shipyards will initially build and deliver 17 non-combat vessels at the company's state-of-the-art facility in North Vancouver.

## CREATING JOBS

Seaspan Shipyards is leading the way in training and employing Canada's next generation of highly skilled shipbuilders, including:

- Welders, pipefitters, electricians, and other tradespeople.
- Professionals, such as engineers, naval architects, and procurement specialists.

**SEASPAN SHIPYARDS IS CONTRIBUTING TOWARDS AN ANNUAL AVERAGE OF 6,100 JOBS OVER THE FIRST TEN YEARS OF THE NSS.**



## DELIVERING ECONOMIC BENEFITS AND REBUILDING A GLOBALLY RECOGNIZED MARINE INDUSTRY

The most modern shipyard of its kind in North America, Seaspan Shipyards has invested more than \$170 million to upgrade its facilities, equipment, and processes at Vancouver and Victoria Shipyards.

Although still early in the NSS' 30-year program of work, Seaspan has already committed to spend more than \$500 million through a growing marine supply chain. Over 400 companies, representing more than 90% of Seaspan Shipyards supplier community, are Canadian suppliers who are helping to build the next generation of Navy and Coast Guard vessels.

Seaspan Shipyards' NSS-related work will have a significant impact on the national economy. On an annual average for the first ten years of NSS (2012-2022), Canada will realize:

- \$600 million in total annual gross value of goods and services
- \$290 million contribution to GDP

# TRANSFORMING THE SHIPBUILDING INDUSTRY

# EMPLOYING AND TRAINING CANADIAN SHIPBUILDERS

## OUR PARTNERS

### THALES CANADA

Thales Canada expects to double the number of staff it currently has dedicated to NSS non-combat work from its Ottawa office from 40 to 80 over the next year. NSS work has allowed Thales Canada to invest in developing improved technology solutions for NSS ships that the company plans to leverage for future projects in Canada and internationally.

### GENOA DESIGN INTERNATIONAL

Genoa from Mount Pearl, Newfoundland, is helping to build ships through the use of technology that extracts design specifications from 3D models. Since beginning work on the NSS, the company has grown 300%. It has added to its capacity and capabilities, and created an in house academy for technical and career development.

### BRONSWERK MARINE

Thanks to their contract with Seaspan Shipyards for HVAC work on the OFSV program, Bronswerk, of Brossard, Quebec, is able to build their design, manufacturing and installation capacity in Canada to take their company to the export market.

### VARD MARINE

NSS work has resulted in approximately 40 new, high-value jobs within Vard Marine as well as the founding of Vard Electro Canada, formed in 2016 for the specific purpose of transferring marine electrical engineering capability and technology from Norway to Canada. Vard Electro Canada currently has seven employees working on NSS.

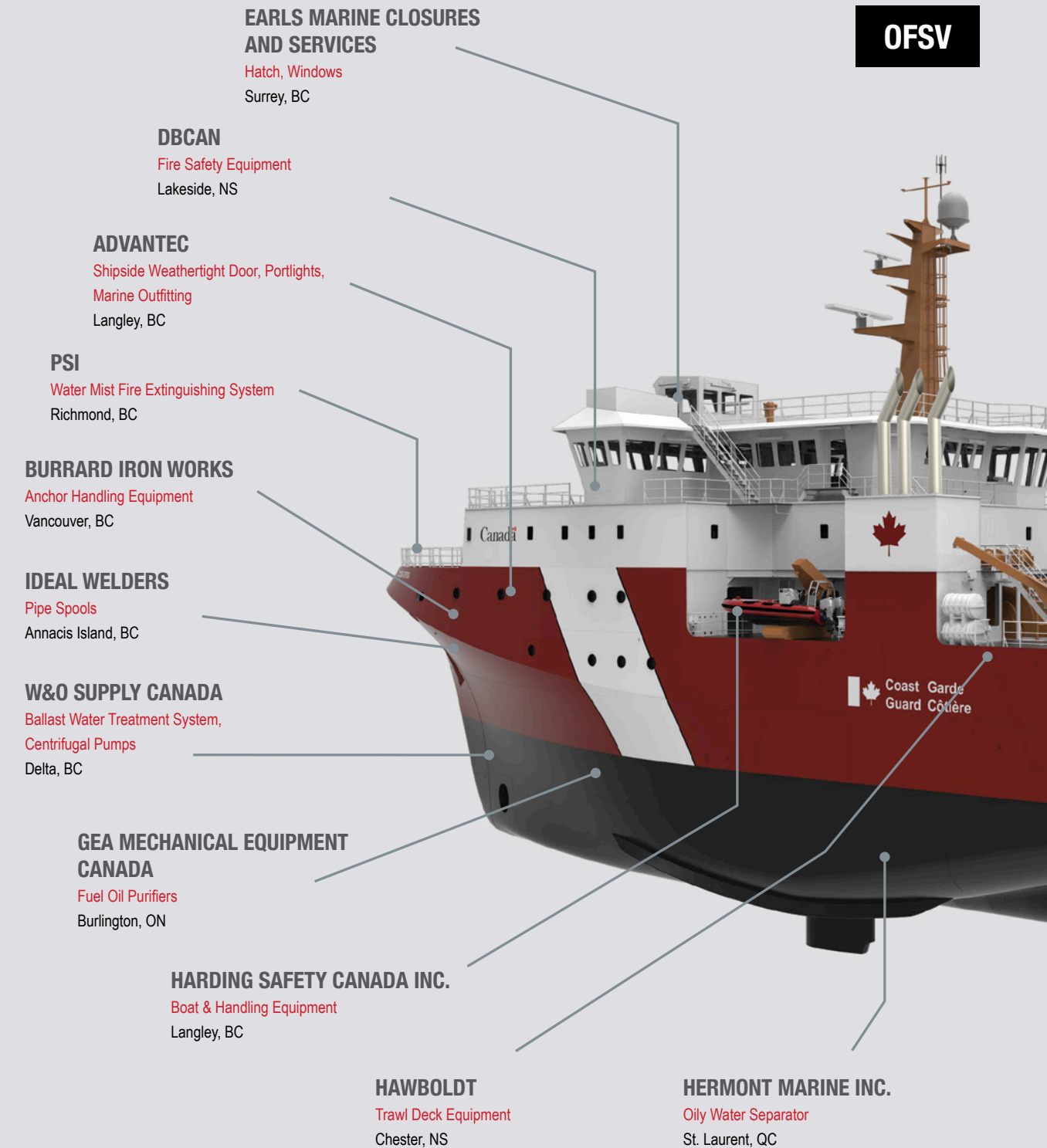
### JOINER SYSTEMS

Joiner Systems of Montreal, Quebec, is a leader in providing engineered solutions for marine interior outfitting. With the ability manufacture to strict specifications, the company provides everything from insulation to furniture installation.

## VALUE PROPOSITION

### NOVARC

North Vancouver, BC's Novarc Technologies are builders of advanced, collaborative robotic systems that allow pipe welding to be done more effectively using advanced control techniques. With Seaspan Shipyards' support, the company secured a \$1 million investment to help them further develop and commercialize their game-changing technology where Novarc's robots work with humans to make the best welds, increasing throughput and decreasing costs, while improving quality by reducing the human variability in the welding process.



## OUR PEOPLE

### KENDALL TROUT, STEEL FITTER APPRENTICE

Kendall Trout, a Steel Fitter Apprentice at Vancouver Shipyards, notes that thanks to the NSS she can enjoy a career in an industry she loves while developing her skills. Asked about the opportunities that her work at Seaspan Shipyards has afforded her, Kendall said: "Shipbuilding hasn't just given me a job; it's given me a career. I love coming to work every day. I'm constantly growing my skills and learning about the industry. The NSS is just beginning and the future looks very bright."



### BLAKE CROME, APPRENTICE WELDER

Blake Crome, apprentice welder, is also part of the next generation of Canadian shipbuilders. Unlike work in some sectors, like the oil and gas industry in more remote parts of B.C. and Alberta, Vancouver Shipyards presents a chance for workers to ply their trade and be home with their families. Blake understands that appeal. "I knew it was going to give me the opportunity to stay local with my work," he says.



## SUPPORTING EDUCATION AND SKILLS DEVELOPMENT

### UNIVERSITY OF BRITISH COLUMBIA

\$2 million to support innovative teaching and research for the Naval Architecture and Marine Engineering programs at the University of British Columbia.

### BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

\$300,000 to the British Columbia Institute of Technology to support Aboriginals in trades – anticipated to provide training opportunities for an additional 100 indigenous students over the next three years.

### CAMOSUN COLLEGE

\$300,000 to Camosun College to support their goal of boosting the number of women in trades training.

### CANADIAN WELDING ASSOCIATION FOUNDATION

\$300,000 to the Canadian Welding Association Foundation for new welding equipment and teacher professional development.

# CANADA'S NEXT GENERATION OF NON-COMBAT VESSELS

## OFFSHORE FISHERIES SCIENCE VESSELS

A 63m fisheries research vessel, that will be deployed on Canada's east and west coasts, to understand the health of fish stocks, and their ocean environment.



## OFFSHORE OCEANOGRAPHIC SCIENCE VESSEL

An 86m oceanographic research vessel, to be deployed on Canada's east coast, to develop hydrographic charts and understand our ocean's physical environment, including the impact of climate change.

## JOINT SUPPORT SHIPS

A 174m naval support ship, providing fuel, ammunition, provisions, and other material to Canada's Navy, deployed around the world in any theatre and threat environment.



## POLAR ICEBREAKER

A 150m icebreaker, with year-round operational capability in Canada's Arctic Ocean, providing essential safety, commercial, and security services to Canada's northern communities.