



Halifax Shipyard

PROUDLY BUILDING

SHIPS FOR CANADA

shipsforcanada.ca



HALIFAX SHIPYARD



RENEWING CANADA'S NAVAL FLEET



Building our fleet and building our economy



In June 2010, the Government of Canada announced the National Shipbuilding Strategy to replace the current surface fleets of the Royal Canadian Navy and the Canadian Coast Guard.

Through a competitive, open and transparent process, Irving Shipbuilding was selected to construct the Royal Canadian Navy's future combatant fleet—the Arctic and Offshore Patrol Ships (AOPS) followed by Canadian Surface Combatants (CSC). With the long-term certainty provided by this contract, we constructed North America's most modern shipbuilding facility in Halifax, NS. Over the next 30 years, our team of world-class shipbuilders will

construct up to 21 modern naval vessels, continuing our legacy of building and maintaining ships for Canada. Today, our team of over 1,500 is hard at work building the first two AOPS vessels, the future Her Majesty's Canadian Ships (HMCS) *Harry DeWolf* and *Margaret Brooke*.

The National Shipbuilding Strategy is revitalizing Canada's shipbuilding and marine industry, creating sustainable jobs, generating economic impact across the country, and ensuring Canada's Navy will be prepared to serve and protect our interests both at home and abroad.



Continuing our legacy as a trusted partner in Canadian shipbuilding



VICE-ADMIRAL RON LLOYD, MCC, CD, COMMANDER OF THE RCN, JOINS KEVIN MCCOY, PRESIDENT, IRVING SHIPBUILDING, ELECTED OFFICIALS, INDUSTRY PARTNERS, AND NAVY REPRESENTATIVES AT A CEREMONY CELEBRATING THE COMPLETION OF THE HALIFAX-CLASS MODERNIZATION PROJECT.

As we celebrate Canada's 150th anniversary, Halifax Shipyard has now been at the forefront of Canadian shipbuilding for more than 125 years.

To build and maintain the Royal Canadian Navy's current and future fleet, Irving Shipbuilding has increased its workforce from 800 in 2011 to over 1,500 today. We've done this by actively recruiting across Nova Scotia and Canada to find experienced tradespeople, engineers, planners and other professionals to build a workforce that is 96% Canadian.

We've invested heavily in the training of 21st century shipbuilders and currently have over 300 Canadian apprentices working towards their red seal certification under the mentorship of our experienced tradespeople. These workers will develop into world-class shipbuilders who will build the Arctic and Offshore Patrol Ships (AOPS) and Canadian Surface Combatants (CSC).

The benefits of these projects span far beyond the Halifax Shipyard, triggering job creation and economic impact from coast to coast to coast.

In fact, we forecast over \$3.17 billion of economic activity in Canada between 2013-2022 from the Halifax Shipyard's facility modernization and AOPS construction. This is estimated to support or create more than 4,220 average annual jobs across Canada.

After a long period without building large naval ships, Canada is now well on its way to re-establishing the nation's shipbuilding and marine industries while ensuring our Navy and Coast Guard get the ships they need at a fair price. We are proud to be Canada's shipbuilding and in-service support centre of excellence, and look forward to continuing our legacy of building and maintaining ships for Canada.


Kevin McCoy
President

May 2017


James D. Irving
Co-Chief Executive Officer

Ready aye ready: Halifax Homeport

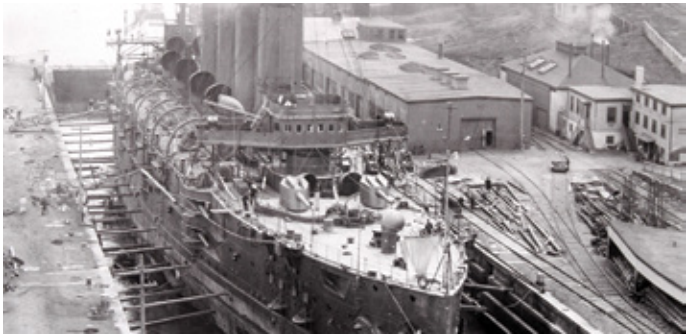


HMCS HALIFAX DOCKSIDE AT HALIFAX SHIPYARD.

Halifax Harbour has served as a navy base since the founding of Halifax in 1749 and the importance of the Royal Canadian Navy (RCN) and its partners is as evident today as it was then.

Maritime Forces Atlantic (MARLANT), home to the 18 ships and submarines of the Canadian Atlantic Fleet, is also headquartered in Halifax and is responsible for generating, sustaining and maintaining forces to guard Canada’s Atlantic maritime approaches. Enabling the readiness of the Navy’s surface and submarine forces are the approximately 10,700 trained and experienced military and civilian personnel who form the MARLANT defence team.

Irving Shipbuilding has built more than 80% of Canada’s current fleet. Our work with the RCN dates back to its inception with maintenance work for the Navy’s first east coast ship, the former HMCS *Niobe*, being carried out at what is now our Halifax Shipyard. Our facility is located adjacent to the RCN’s east coast homeport, allowing our shipbuilders to work hand-in-hand with



HMCS NIOBE, THE FIRST SHIP OF THE RCN ATLANTIC FLEET, IN THE GRAVING DOCK AT THE HALIFAX SHIPYARD IN 1911.



the team at the Halifax Dockyard, seamlessly transferring work and manpower between the two locations to maximize resources and ensure an efficient level of support and service to Canada.

In addition, the Department of National Defence maintains an office onsite at our Halifax Shipyard where over 100 employees collaborate with our team on shipbuilding and ship repair operations.

Since being selected as Canada’s chosen combat shipbuilder in 2010, Irving Shipbuilding has invested over \$360 million into North America’s most modern shipbuilding and maintenance facility, the Halifax Shipyard, where the first two Arctic and Offshore Patrol Ships, the future HMCS *Harry DeWolf* and *Margaret Brooke*, are already well under way.

Our 1,500 shipbuilders look forward to continuing our long history as a trusted partner to Canada’s Navy and stand ready aye ready to continue building, maintaining, and servicing our future fleet.



The Halifax-class: Continuing a legacy of maintaining ships for Canada

In November 2016, Irving Shipbuilding and the Royal Canadian Navy, along with government and industry partners, celebrated the completion of the mid-life ship refit portion of the Halifax-class Modernization project.



IRVING SHIPBUILDING EMPLOYEES APPLAUD THE CREW OF HMCS TORONTO AS THE SHIP IS HANDED OVER TO THE RCN.



VICE-ADMIRAL RON LLOYD, MCC, CD, COMMANDER OF THE RCN, AT THE HALIFAX-CLASS MODERNIZATION CELEBRATION.

The 12 Halifax-class frigates are the backbone of the Royal Canadian Navy fleet. The modernization project has extended the physical life of the frigates for another two decades until they are replaced by the Canadian Surface Combatants.

The modernized Halifax-class ships are now among the most capable warships of their type in the world. The seven Halifax-class frigates modernized at the Halifax Shipyard—Her Majesty's Canadian Ships *Halifax*, *Fredericton*, *Montreal*, *Charlottetown*, *St. John's*, *Ville de Quebec* and *Toronto*—were completed on schedule and under budget.

The Halifax-class is a true representation of Irving Shipbuilding's legacy in shipbuilding and maintenance. We have maintained and modernized the Halifax-class with many of the same workers who originally built the vessels at our former Saint John Shipyard.

Not only does our workforce and our Navy benefit from our decades of experience maintaining ships for Canada, but this work is an important economic pillar for Nova Scotia and throughout Canada. Every day, over 300 shipbuilders, engineers, technicians and staff are employed at the Halifax Shipyard maintaining the Halifax-class. More than \$625 million in spending commitments on the Halifax-class refits has resulted in an estimated \$265 million in employment income in Nova Scotia, generated more than \$80 million in taxes in the province, and led to over \$196 million in consumer spending. Canada-wide that is \$355 million in employment income, \$110 million in taxes, and \$260 million in consumer spending.



HMCS VILLE DE QUEBEC ARRIVES FOR ROUTINE MAINTENANCE AT HALIFAX SHIPYARD.

The Navy's future fleet



AN ARTIST RENDERING OF THE HARRY DEWOLF-CLASS ARCTIC AND OFFSHORE PATROL SHIP.

The Royal Canadian Navy is in the midst of the most intensive and comprehensive period of fleet renewal in its peacetime history. With the successful modernization of the Halifax-class frigates in November 2016, Irving Shipbuilding continues its focus on maintaining the current fleet and constructing the Arctic and Offshore Patrol Ships (AOPS) and the next class of Canadian Surface Combatants (CSC) under the National Shipbuilding Strategy.

The AOPS being constructed at the Halifax Shipyard will offer exciting new capabilities, and will represent a fundamental augmentation of the Navy, the Canadian Armed Forces, and maritime partners. The first AOPS, the future HMCS *Harry DeWolf*, will be launched in 2018.

"I expect this class will rapidly assume a central role in Canadian sovereignty efforts, first and foremost by improving Canada's surveillance over our northern waters and complex coastal zones, but also across the full reach of our Atlantic and Pacific Ocean areas of interest," said Rear-Admiral John Newton, Commander of Maritime Forces Atlantic.



KEVIN MCCOY AND CARL RISSER OF IRVING SHIPBUILDING JOIN REAR-ADMIRAL JOHN NEWTON AND CHIEF PETTY OFFICER 1ST CLASS PIERRE AUGER AT THE KEEL LAYING CEREMONY FOR THE FIRST AOPS.



This new class of ship is also well suited for non-traditional navy roles, such as supporting science, in counterdrug operations, capacity building in less fortunate nations, or supporting humanitarian aid and disaster relief operations.

"Inspired sailors of the Royal Canadian Navy cannot wait to bring this exciting capability to life. Indeed, I expect that this class of ships will be instrumental in attracting new talent to the Navy to serve their country at sea," said Rear-Admiral Newton.

The CSC, which will replace the current Halifax-class frigates, will form the backbone of Canada's naval combat capability. As Canada's front line surface warships, these vessels will deploy worldwide, both independently and with our NATO allies and other partners, to defend Canada and North America, to promote global stability, and to project and protect Canadian interests internationally.

The Government of Canada is currently overseeing an open, fair, and transparent procurement to select an existing warship design which best suits the Navy's requirements for CSC.

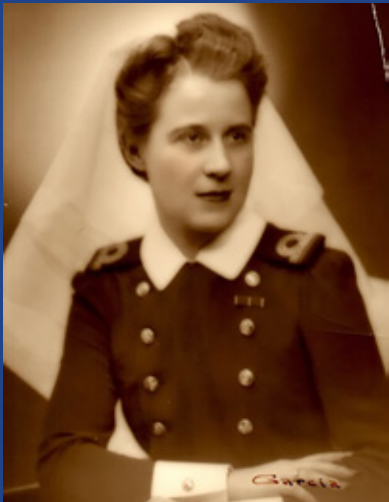


Harry DeWolf

The Arctic and Offshore Patrol Ship (AOPS) will be known as the Harry DeWolf-class, with HMCS *Harry DeWolf* as the lead ship. A native of Bedford, NS, Vice-Admiral Harry DeWolf CBE, DSO, DSC, CD was decorated for outstanding service throughout his career, which included wartime command of HMCS *St. Laurent* from 1939-40, and later, his 1943-44 command of HMCS *Haida*, known as the "Fightingest Ship in the RCN." He went on to command two of Canada's aircraft carriers and served as Chief of the Naval Staff before retiring from the Royal Canadian Navy in 1960.

On April 18, Ms. Sophie Grégoire Trudeau was announced as the sponsor of HMCS *Harry DeWolf*.

Commander Corey Gleason MMM, CD will serve as commanding officer for Canada's first AOPS. Commander Gleason enlisted as a Navy Signalman in 1985; he has commanded the coastal defence vessel HMCS *Yellowknife* and served as the Executive Officer of both HMCS *Ottawa* and *Sea Training Pacific*.



Margaret Brooke

The second AOPS currently under construction at the Halifax Shipyard will be named after Lieutenant Commander Margaret Brooke, MBE, a Royal Canadian Navy Nursing Sister decorated for gallantry during the Second World War.

On October 14, 1942, the ferry *SS Caribou* was torpedoed by the German submarine U-69, sinking within five minutes. Fighting for her own survival, then Sub-Lieutenant Brooke heroically tried to save the life of her colleague and friend, Nursing Sister Sub-Lieutenant Agnes Wilkie. For her courage, she was made a Member of the Order of the British Empire.

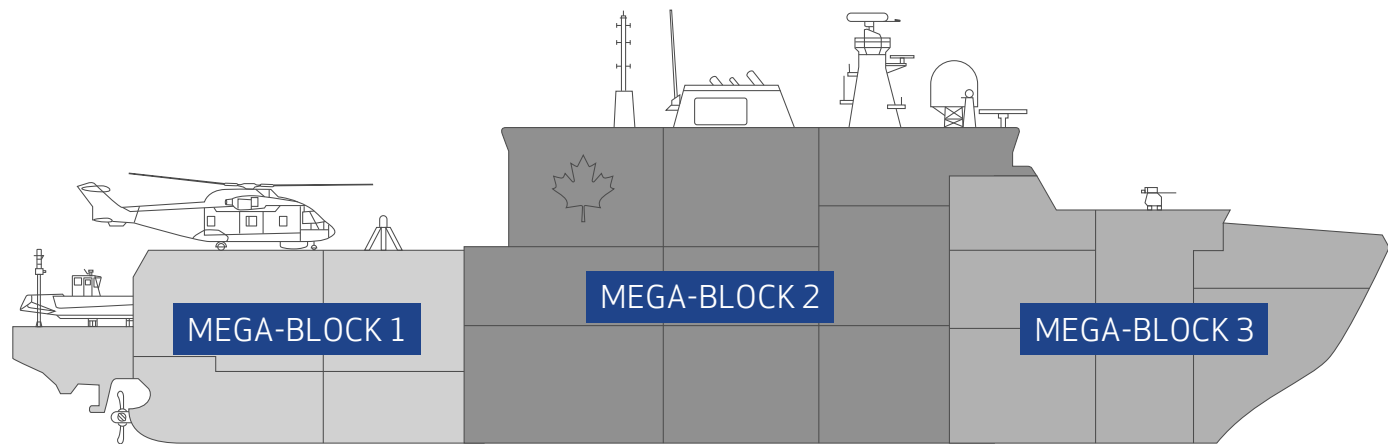
In May 2017, it was announced that Ms. Margaret E. Brooke, the niece of Lieutenant Commander Brooke (her rank when she retired in 1962), would act as sponsor for the vessel.

Assuming command of HMCS *Margaret Brooke* will be Commander Michele Tessier CD, who joined the Naval Reserves in 1996. A native of Grand Bank, NL, she previously commanded both the Naval Reserve Division HMCS *Griffon* in Thunder Bay, ON as well as the coastal defence vessel HMCS *Nanaimo*. She currently serves as Commander Coastal Forces Pacific.



Canada's Arctic and Offshore Patrol Ships

Irving Shipbuilding uses a progressive build approach to construct the Arctic and Offshore Patrol Ships. Over the course of time, 63 smaller units become 21 larger blocks, which become three mega-blocks (the bow, mid-section and stern). This same progressive build approach will be used for the Canadian Surface Combatants.



Mega-block 1

Mega-block 2

Mega-block 3



To date, the future HMCS *Harry DeWolf* is 60% complete.

Women of the Halifax Shipyard

Women have been major contributors to our success as Canada’s chosen shipbuilding and in-service support centre of excellence since the first female recruits entered trades at Halifax Shipyard in 1943.

During World War II, a shortage of labour led to a group of motivated women completing a special 480-hour welding program at the Nova Scotia Technical College.



Today, Halifax Shipyard continues this proud tradition of providing opportunities for women in the workforce. Over the past five years, the number of women working in the shipyard has increased from 85 to 185, and this growth will continue. Thanks to partnerships with organizations like Women Unlimited, a not-for-profit that promotes the full participation of women in trades and technology, 17 women are currently enrolled in the Irving Shipbuilding—Women Unlimited welding and metal

fabrication programs at the Nova Scotia Community College (NSCC). Upon completion of the program in June 2017, successful graduates who meet employment eligibility criteria will be hired by Irving Shipbuilding as positions become available.

Throughout their education, these women will have the opportunity to participate in work placements at the shipyard, working alongside and learning from experienced tradeswomen such as



SUCCESSFUL GRADUATES OF THE 2017 IRVING SHIPBUILDING–WOMEN UNLIMITED PROGRAM BEGIN THEIR CAREERS AT THE HALIFAX SHIPYARD IN JUNE 2017.

Amy MacLeod, an Ironworker on the Arctic and Offshore Patrol Ship (AOPS) project. Amy’s path to the Halifax Shipyard was not an easy one. As a teenager she found herself in the care of the Phoenix Youth Program, a Halifax-based non-profit dedicated to supporting youth and families. However, through hard work and determination, along with support from organizations like Women Unlimited and Phoenix Youth, she earned her GED, upgraded her math skills and completed her diploma in Metal Fabrication at NSCC.

Driven by her desire to provide a stable future for her daughter, Amy saw welding as an opportunity to build a steady, long-term career at home in Nova Scotia. And since joining the team at Halifax Shipyard, her love of her trade has only continued to grow. She hopes to continue to develop her skills and mentor other young women in the workforce.



“I may not have known about the opportunities for women in shipbuilding—or in the trades at all—if it weren’t for Women Unlimited and Irving Shipbuilding. The work here is challenging, but fun and filled with great co-workers.”

— Amy MacLeod, Ironworker

In addition to trades, the number of smart, talented women pursuing careers in other areas of Irving Shipbuilding continues to grow. A graduate of Acadia and Dalhousie universities, Jessica Lockhart is an Industrial Engineer working on the AOPS project. She works with the design team to ensure there’s enough time budgeted to address any changes made throughout the build process. Jessica also works on the planning for the loading and installation of big pieces of equipment to make sure the workforce has all of the necessary resources when it is time to make the move.

We’re proud to modernize the face of shipbuilding in Canada and provide opportunities for all Canadians—both men and women—to play a role in building Canada’s future naval fleet.



“Every day, I have new problems to solve. I get to work with people from upper management to the production floor, to help everyone understand both the challenges and solutions to build the best ship.”

— Jessica Lockhart, Industrial Engineer

Growing Canada's next generation of shipbuilders

In our efforts to grow Canada's next generation of shipbuilders, we are focusing our recruitment strategy on building our workforce right here in Canada. We strive to keep Canadians at home and bring Atlantic Canadians who have migrated out of the region, back home.

We have actively recruited across Canada to find experienced tradespeople, engineers, planners and other professionals to build a workforce of over 1,500 that is 96% Canadian.

To find the best and brightest tradespeople Canada has to offer, we held hiring fairs in manufacturing and production hotbeds across the country to allow Atlantic Canadians who have left the region for work, and those who simply wanted to work on this exciting project, the opportunity to build a life and a career in Nova Scotia. It was through these fairs that we attracted numerous individuals like Dale Boudreau, a pipe fabricator at Irving Shipbuilding's Marine Fabricators who after years commuting across Canada for work welcomed the opportunity for stable long-term employment in his home province.



DALE BOUDREAU, FABRICATOR

Now Dale returns home to his family and infant daughter every night no longer missing important family events and milestones.

We are also invested in helping our shipbuilders grow and progress in their careers. After joining our production team in 2013 as a Labourer, Olivia Stowbridge from Dartmouth, NS followed her passion for painting and drawing to become the first female certified spray painter at Irving Shipbuilding. Through hard work and commitment, she was promoted to Production Work Lead in 2017, making her the first woman in a trade supervisory role.



OLIVIA STOWBRIDGE, PRODUCTION WORK LEAD

Apprenticeship is an important part of growing Canada's next generation of shipbuilders. Pairing our experienced and skilled workers alongside apprentices helps increase the shipbuilding talent and capacity in Canada for the long term. With more than 300 apprentice shipbuilders, Irving Shipbuilding is the largest employer of apprentices in Nova Scotia. Over the last three years, almost 100 of our apprentices completed their training and earned their red seal certification.



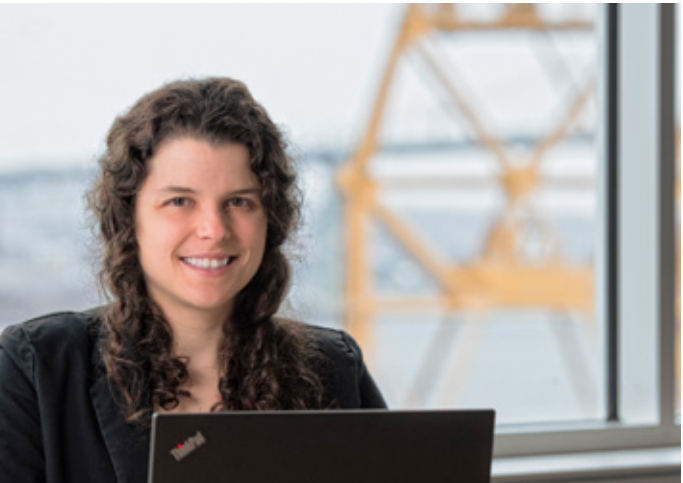
PARTICIPANTS OF THE FIRST CLASS OF THE PATHWAYS TO SHIPBUILDING PROGRAM FOR INDIGENOUS CANADIANS.

To further grow diversity in our workforce, we worked with ten industry, government and community partners to launch Pathways to Shipbuilding, which provides the opportunity for 19 indigenous students to enroll in the Metal Fabrication Program at the Nova Scotia Community College. Successful graduates who meet employment eligibility criteria will be hired by Irving Shipbuilding as positions become available.

Since Canada went almost 25 years without a naval new build program, we often have to engage experts from across the globe to join our team and share their expertise in shipbuilding and naval defence with our Canadian workforce. For instance, our AOPS design department uses sophisticated 3D modeling software and we were unable to find anyone in Canada with the necessary experience with this software. We hired an expert from Denmark who has since worked alongside a team of Canadian colleagues to transfer knowledge and skills. Now, more than 50 of our Canadian employees have developed an expertise with this sophisticated 3D modeling software.

Justine Dagenais, a Junior Engineer from Ottawa who studied mechanical engineering, naval architecture and marine engineering at the University of Ottawa, Memorial University and the University of British Columbia, is one of the new graduates who had the opportunity to learn this new modeling software. As part of a rigorous six-month training program, she worked with our Danish expert and others to learn the intricacies of the program.

Without bringing these experts to Canada, Irving Shipbuilding would not be able to create new opportunities for Canadians.



JUSTINE DAGENAIS, JUNIOR ENGINEER

In addition to sharing their expertise with our workforce, those hired from abroad pay taxes here, buy local goods and services, raise their families, and contribute to the well-being of local communities. In fact, most have become or are in the process of becoming Canadian citizens.

Irving Shipbuilding has a proud history as Canada's shipbuilder, and our team is committed to providing the best value to Canadians while delivering high-quality ships to the men and women of the Royal Canadian Navy.



Impacting Canadians from coast to coast to coast

Over **\$3.17 billion** of forecasted economic activity in Canada between 2013-2022 from the Halifax Shipyard's facility modernization and AOPS construction.¹



Forecasted peak of over **4,770 annual jobs** supported or created in 2018; more than **4,220 average annual jobs** during the core AOPS build phase^{2,3}



\$2 billion
of forecasted
employment income
from 2013-2022²



Estimated GDP lift
**of over
\$3.42 billion**
from 2013-2022²



**More than
\$836 million**
of estimated taxes
between 2013-2022²

¹ April 2017 forecasted investment levels are in 2017 dollars, assume 6 AOPS vessels, and are based on: i) the Halifax Shipyard's actual and forecasted labour and investments with Canadian companies for AOPS and facility modernization; ii) the Halifax Shipyard and major AOPS subcontractors' forecasted and actual indirect IRB investments - these investments offset the value of any foreign labour and materials used to build the AOPS and ensure that 100% of the value of the contract is spent in Canada; and iii) the Halifax Shipyard's actual and forecasted Value Proposition investments - these investments represent the Halifax Shipyard's commitment to invest 0.5% of the value of the AOPS contract on the greater marine industry.

² Estimates are in 2017 dollars, are based on investment levels in footnote 1, and were derived by the Conference Board of Canada using their dynamic model of the Canadian and provincial economies, which incorporate Statistics Canada's Input-Output tables.

³ The core AOPS build phase is 2016-2020, inclusive. Job figures are based on an average of approximately 33 hours worked per week.



Benefitting more than 250 organizations across Canada, including:

Bronswerk Group
Montreal, QB

"The National Shipbuilding Strategy contract has enabled Bronswerk to expand its Canadian operations by 25% and to open two facilities in Halifax. Through this expansion we have created 25 new positions in Halifax and in Montreal, and with multiple ships included in the contract, we have the security and opportunity we need to continue hiring and developing even more young engineers, while pursuing global export opportunities."

— Geoff Maitland, President, Bronswerk Group, Montreal, QC

Toolcomm
Capilano Indian Reservation, Northern Vancouver, BC

"AOPS has afforded us a critical opportunity to grow our business. By connecting small-specialized companies in Canada, like Toolcomm, to larger organizations, the National Shipbuilding Strategy is not only positioning Canadian industry for domestic programs but also opening the doors to exciting export opportunities. With the success of AOPS, we now have our eye on future programs that will continue to grow our workforce and expand our boundaries beyond British Columbia."

— Kevin Sebastian, Founder, Toolcomm, Capilano Indian Reservation, Northern Vancouver, BC

Glamox Canada
St. John's, NL

"Glamox Canada is very proud to continue their long-standing relationship with Irving Shipbuilding, supplying lighting systems for their Federal new build programs. The AOPS project is providing our company with many new opportunities, especially for the manufacturing facility in Newfoundland. Since this is our first new build project where the entire ship is outfitted with LED lighting, it has advanced the development of some special LED lighting solutions, which may be applicable for other projects going forward, both domestically and for export."

— John O'Driscoll, Managing Director, Glamox Canada, St. John's, NL



Learn more about the Canada-wide impact at shipsforcanada.ca/canadian-impact





Creating Vibrant Shipbuilding and Marine Industries in Nova Scotia

Over **\$1.57 billion** of forecasted economic activity in Nova Scotia between 2013-2022 from the Halifax Shipyard's facility modernization and AOPS construction¹



Forecasted peak of **2,400 annual jobs** supported or created in 2018; **2,100 average annual jobs** during the core AOPS build phase^{2,3}



\$912 million of forecasted employment income from 2013-2022²



Estimated GDP lift of **\$1.92 billion** from 2013-2022²



\$394 million of estimated taxes between 2013-2022²

Please see page 16 for footnotes.



HEATON ROSBOROUGH DESCRIBES THE RHIB BUILD PROCESS AT ROSBOROUGH BOATS BEECHVILLE FACILITY.



IAN RANKIN, MLA FOR TIMBERLEA-PROSPECT; HON. GEOFF REGAN, MP FOR HALIFAX WEST, HEATON ROSBOROUGH, ROSBOROUGH BOATS; KEVIN MCCOY, IRVING SHIPBUILDING; AND GILLES THERIAULT, A.F. THERIAULT & SONS LTD AT ROSBOROUGH BOATS IN BEECHVILLE, NOVA SCOTIA.

“Working with Irving Shipbuilding to supply our Rough Water™ 8.50s for AOPS reinforces the purpose of the National Shipbuilding Strategy by equipping the Royal Canadian Navy with high-quality enhanced equipment, best matched to their current and future mission sets, while employing Canadians and bolstering the Canadian marine industry. Our local, family-owned business will capitalize on this successful relationship to further market our line of vessels to other programs in the Navy, as well as navies and coast guards around the world.”

— Heaton Rosborough, President, Rosborough Boats Ltd.

A third generation, Nova Scotia family-owned business, Rosborough Boats is the recipient of a \$7.3 million contract to provide Multi-Role Rescue Boats for the Arctic and Offshore Patrol Ships (AOPS). Based in Halifax, NS the company will deliver up to 12 Rough Water™ 8.5 metre Rigid Hull Inflatable Boats (RHIB) for the six AOPS vessels. The contract will allow the company to sustain its 12 full-time employees and create two new positions within the first half of 2017.

The company will collaborate with another family-owned Nova Scotia small business on the project. A.F. Theriault & Son Ltd., located in Meteghan River, NS, will be building Rosborough Boats' composite hulls and components, employing 15 people on this project.



KEVIN MCCOY, PRESIDENT, IRVING SHIPBUILDING, JIM HANLON, CEO, IORE, HON. KELLY REGAN, MINISTER OF LABOUR AND ADVANCED EDUCATION, AND HON. SCOTT BRISON, PRESIDENT OF THE TREASURY BOARD, AT THE FUTURE SITE OF COVE IN DARTMOUTH, NS.

On March 16, Irving Shipbuilding announced a \$4.52 million investment in the newly established Centre for Ocean Ventures and Entrepreneurship (COVE), an ocean innovation centre to be located on the waterfront in Dartmouth, NS. Operated by the Institute for Ocean Research Enterprise (IORE), COVE will provide ocean science research, start-ups, R&D-intensive companies, industry, and post-secondary institutions with the opportunity to create a cluster of marine innovation and commercialization, ultimately becoming global leaders.

By bringing together all elements of the ocean ecosystem, COVE will generate technical and commercial synergy through co-location; training, attracting and retaining ocean talent; sharing resources; and further enhancing the global presence of Canada's marine technology cluster.



ARTIST RENDERING OF THE COVE FACILITY.

Under the National Shipbuilding Strategy Value Proposition commitment, Irving Shipbuilding is investing 0.5% of our contract value in initiatives to support a sustainable marine industry. Learn more about our investments in Canada's marine industry at www.ShipsforCanada.ca/our-stories.

“Irving Shipbuilding's investment in COVE helps grow Canada's marine innovation and commercialization cluster, a key part of the National Shipbuilding Strategy. Halifax is home to world-class centres of excellence for shipbuilding and marine innovation, which are greatly contributing to our ocean-based economy.”

— The Honourable Scott Brison, President of the Treasury Board





Halifax Shipyard

To find out more about Irving Shipbuilding visit
ShipsforCanada.ca

 @IrvingShipbuild  IrvingShipbuilding