

POLAR: FLAGSHIP OF THE NATIONAL ICEBREAKER CENTRE



Polar is the flagship program of Canada's National Icebreaker Centre (NIC), which was created to deliver the ambitious icebreaker fleet renewal under the National Shipbuilding Strategy (NSS). Constructing and sustaining the entire fleet at Davie will ensure long-term program success.

The NIC is a centre of excellence for polar and Arctic expertise. It reflects Davie's history as Canada's icebreaking partner and our future role in rejuvenating the entire ice-capable fleet. The NIC will create well-paid jobs and drive economic growth in Canada, while showcasing and exporting Canadian icebreaker innovation worldwide. For more information go to icebreakercentre.ca

Moreover, consolidating skills, capabilities and entire programs at Davie will ensure Polar is built in Canada by Canadians to the highest standards. Made in Canada has never meant more, as we seek economic recovery from the COVID-19 pandemic. Building at Davie would also enable Canada to create a high-value export sector for world-class ships for the Arctic.

To deliver the Polar, Davie has partnered with leaders in icebreaker design, construction, fabrication and critical systems.



Davie's drive to relieve Canada's Polar pressure begins today

As a true Arctic nation, with peoples and communities spread across a vast region, Canada's need for an ultramodern, versatile, environmentally sustainable Polar Icebreaker equipped to protect vital Canadian interests, grows daily.

"The Canadian Coast Guard's aging fleet spends increasing time at dock for maintenance, which reduces the flexibility of its icebreaking ships to respond ..."¹ Canada's only Polar Icebreakers have far exceeded their life expectancy. While the CCGS Louis S. St-Laurent has served Canada with distinction, it is deep into its sixth decade. CCGS Terry Fox is also fast approaching 40 years in service.

Once these aging ships are replaced, Canada will be able to maintain a continuous presence in the Arctic. The Polar Icebreaker will benefit generations of Canadians, including our northern communities, enabling our Arctic economy, supporting our Arctic sovereignty and protecting our precious environment.

As the future builder of the Polar Icebreaker, Davie is Canada's National Icebreaker Centre (NIC) and only mega-yard, with 50% of Canada's total shipbuilding capacity. Indeed, a major driver of Davie's inclusion in the National Shipbuilding Strategy (NSS) is its abundance of available space, as well as its Canada-

wide supply chain and skilled workforce, which can rapidly ramp up to over 2,000.

While Davie expects to be in full production of its NSS heavy Program Icebreaker (PIB) project by 2025, starting the build of the Polar at Davie today will enable a learning curve and create economies of scale to greatly benefit both programs by mitigating cost, schedule and performance risks.

In fact, only Davie can guarantee Polar is built domestically, rather than potentially going offshore. We will build on recent successes in delivering Canada's only ice-capable Combat Support Ship and the CCG's first new icebreaking assets in 25 years. The Polar Icebreaker will enable Davie to continue showcasing innovation and deliver value for money for the Canadian taxpayer.

We are shovel ready for Polar today and have already engaged the designer, propulsion maker, steel producers and critical systems suppliers.

Delivering Canada's urgently needed Polar flagship ahead of schedule, will also generate thousands of well-paid jobs and billions of dollars for our provincial and national economies.

¹ CCG Icebreaker Update, 2016.

Davie Polar program generates jobs and huge economic impact²



Up to \$4.6bn in Gross Economic Output



Up to \$1.5bn in labour income



Up to 2,500 well-paid jobs created or sustained



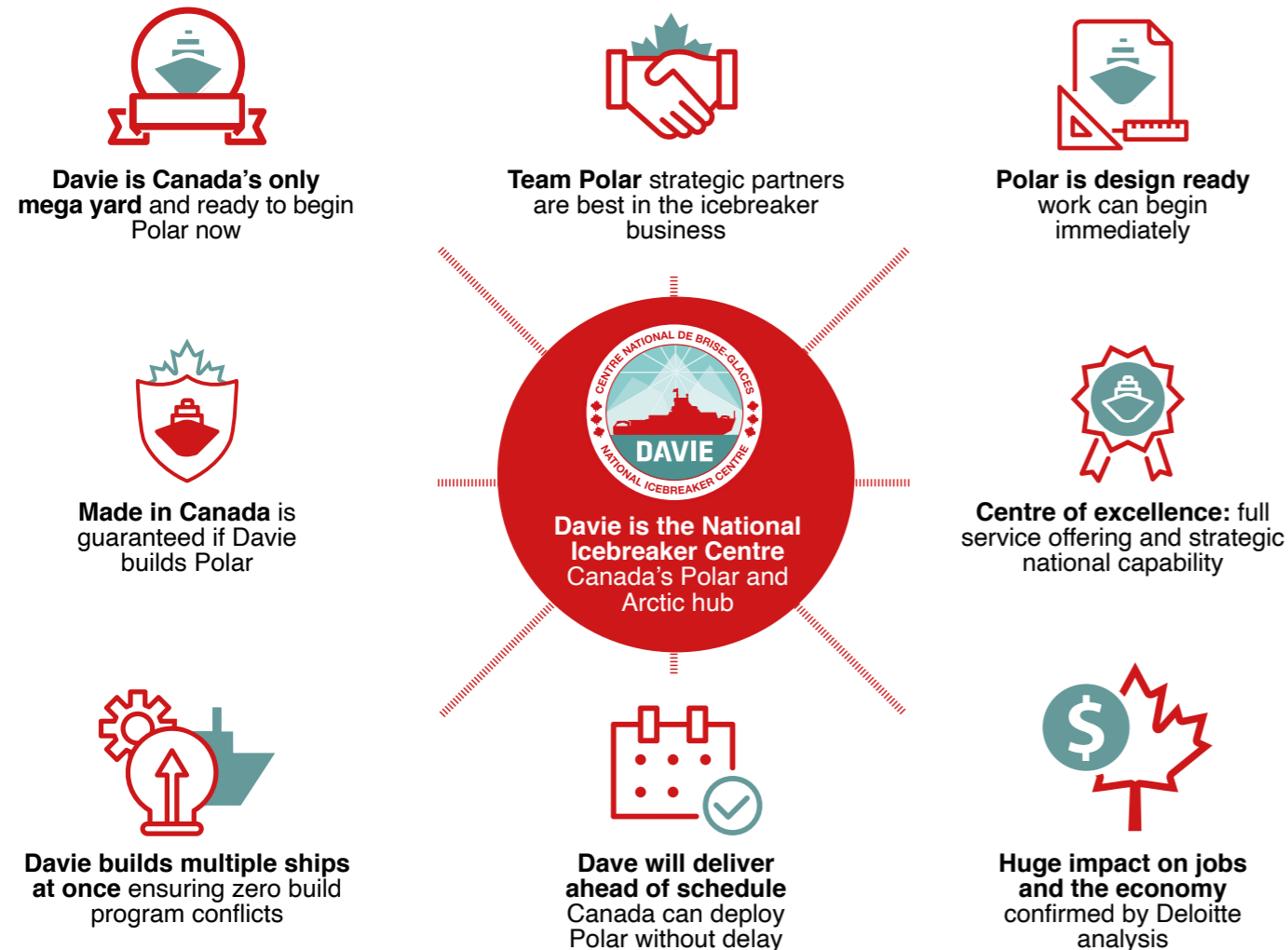
Up to \$2.5bn contribution to Canada's Gross Domestic Product



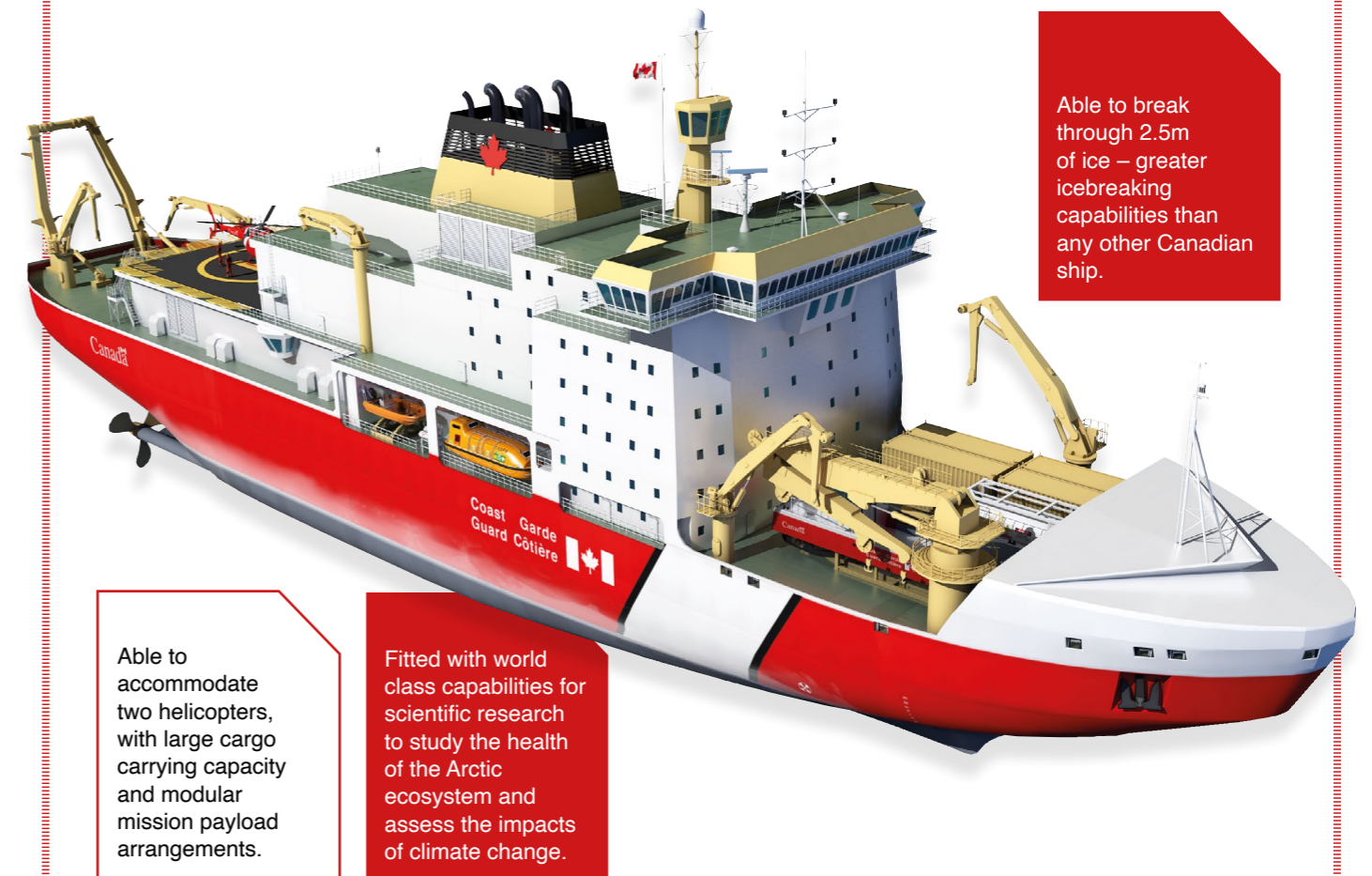
Over \$600m in revenues and taxes paid to government

² Davie Shipbuilding Economic and Social Contribution Study. © 2020 Deloitte LLP and affiliated entities

Why Polar can only be built at Davie



About Canada's flagship Polar Icebreaker



The Coast Guard's flagship vessel and the world's most powerful integrated electric propulsion icebreaker.

Able to operate autonomously for 270 days in the Arctic, over a larger area, and in more difficult conditions than any of Canada's current icebreakers.

Capable of sustained operations in the Arctic Archipelago providing year-round access in very difficult ice conditions.

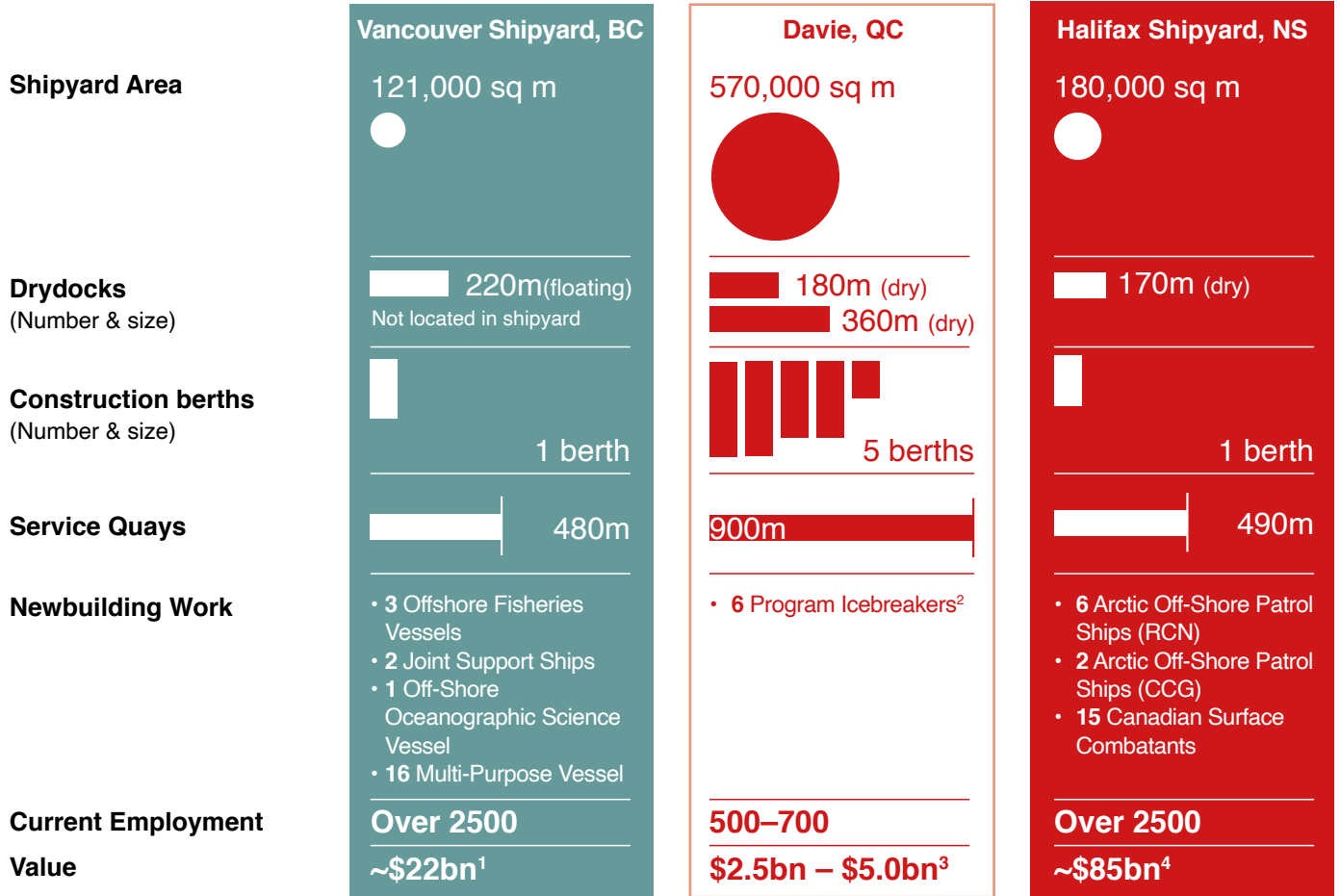
Able to break through 2.5m of ice – greater icebreaking capabilities than any other Canadian ship.

Able to accommodate two helicopters, with large cargo carrying capacity and modular mission payload arrangements.

Fitted with world class capabilities for scientific research to study the health of the Arctic ecosystem and assess the impacts of climate change.

Davie is Canada's only Mega-Yard

Davie has around three times the capacity of the other NSS yards combined.



¹Based on Gov & PBO estimates. ²PIB program steel cutting 2025. ³Based on Gov & Davie estimates of NSS value. ⁴Based on Gov & PBO estimates

Only Davie can manage multiple large, complex new construction projects

This image depicts Davie's multiple available work sites for building and launching ships, with more than one newbuild project in the Champlain Dry Dock. This proves Davie can build multiple vessels at the same time. Our integrated build schedule ensures Polar will not conflict with other programs throughout its entire production schedule.



For more information:

John M. Schmidt, Senior Vice President Commercial & Government Programs
 Email: john.schmidt@davie.ca | Phone: +1613-878-6491 | www.icebreakercentre.ca

