Davie is Canada’s polar icebreaker partner of choice for 70 years

Davie is Canada’s premier shipbuilder and a global leader in the delivery of mission-critical polar icebreaking vessels for close to 70 years. Davie has built Canada’s largest and most powerful icebreakers beginning with the CCGS D’Iberville, which in 1952 became Canada’s first modern heavy icebreaker. In 1960, Davie delivered the CCGS John A. Macdonald, whose groundbreaking design influenced the polar fleets of other countries.

Over the past seven years, Davie has completed the extensive upgrade and refit of several of the CCG’s largest icebreakers such as CCGS Louis St Laurent and CCGS Henry Larsen.

In 2018, Davie delivered the CCGS Captain Molly Kool, the first new icebreaking asset delivered to the Canadian Coast Guard in over 25 years. This medium icebreaker is part of a innovative three-ship conversion program called Project Resolute.

All vessels Davie has delivered over the past eight years have a high ice-class rating, including complex subsea construction vessels and LNG-powered ferries, which are built to operate year-round on the Saguenay river.

With a multi-year order book, the National Icebreaker Centre will continue to be at forefront of the design, engineering and construction of an emerging generation of leading edge, environmentally sustainable, multi-functional polar icebreakers.

Program Icebreakers

Under the NSS, Davie will construct six heavy Program Icebreakers (PIBs), with work expected to begin in 2024 and to complete in 2041. The PIBs will be the CCG’s backbone icebreakers with capability and capacity to meet current and for future needs. They will be able to operate in severe conditions and support missions during the winter ice season as well as summer expeditions to the Arctic.

Polar Icebreakers

Davie is Canada’s only facility with the capacity, infrastructure and experience to begin work today on the world’s most powerful hybrid diesel-electric polar icebreakers. If two much-needed flagship Polar Class 2 vessels were part of its NSS pipeline, Davie has pledged to deliver the first, the replacement for the CCGS Louis St Laurent, 2.5 years ahead of the current government schedule.
**Economic Engine**
With the support of the Québec government, Davie is a champion of the Québec Maritime Strategy and the creation of a vibrant maritime cluster, making the Province a global destination for a wide range of polar and Arctic activities. Davie has and will continue to contribute billions of dollars to the Québec and Canadian economies. Since 2012, it has also sustained an average of over 1,300 well-paid full-time jobs. Davie also partners and shares its success with over 1,300 suppliers throughout Canada. Looking forward, the National Icebreaker Centre will have an assured pipeline of work worth billions of dollars until at least 2041 and will offer important export opportunities for the Canadian economy.

**Future focus**
The need for a modern, versatile and efficient polar icebreaker fleet has never been greater. These unique ships benefit all Canadians by helping to protect and enable the economy, security, sovereignty and the marine environment.

Climate change means the Arctic region is increasingly critical to international political and commercial strategies. As sea ice declines, transpolar trade routes will become ever more navigable and the exploitation of natural resources in the Arctic will inevitably increase. With it, will come significant risks. State-of-the-art polar icebreakers are critical for ensuring the safety of navigation and the environment as the Arctic increasingly becomes a hive of federal, academic and commercial activity.

**Export opportunities**
More than half of the world’s icebreaker fleet is over 40 years old. Demand for these specialized vessels from both governments and private corporations is outstripping supply – a pattern which is sure to continue. This will see new commercial entrants requiring specialized multi-purpose ships as well as the continued renewal of many state assets.

There will also be potential for international strategic partnerships to work programmatically on key technologies and platforms as other industrial sectors such as aerospace have done successfully.

Increased activity in other harsh ice environments such as the Antarctic also offers a sizeable potential market for the leading-edge icebreaking technologies Davie offers.

---

**How the Davie National Icebreaker Centre Works**

1. **Customer Needs**
   - Early identification of trends and opportunities to help our customers
   - Deep understanding of what constitutes competitive, value-adding products and services
   - Robust, trust-based collaboration with our customers

2. **Contracting**
   - Decades of knowledge of federal contracting process
   - Identifying risk with focus on creating value for our customer
   - Track record of delivering complex projects on time, to budget

3. **Delivery & Life Cycle Support**
   - Responsiveness and proactivity to ensure efficient delivery
   - Track record of delivering complex projects on time, to budget
   - Proven pedigree in repair, refit, conversion, upgrading

4. **Manufacturing**
   - Leverage Canada’s largest and highest capacity construction facility
   - Continuous investment in facility, equipment, new techniques
   - Focus on operational leadership – safety a key priority

5. **Design & Development**
   - Deep engineering experience to create best-in-class, safe and upgradable products
   - Investment in latest technologies and capabilities
   - Canadian and international partnerships on design and other key capabilities

---

**Davie is building Canada’s new polar icebreaker fleet and rapidly becoming a global hub for Arctic expertise**