

Closing The Gap To Security And Prosperity In The Canadian North

Strategic Arctic Investment Tool



CLOSING THE GAP TO SECURITY AND PROSPERITY IN THE CANADIAN NORTH

“We need a comprehensive inventory of existing critical infrastructure with potential multi-use purposes [and] its state of repair/disrepair... [w]e need a vision, so we need to have a sense of where we want to go...

...defence-related investments should be complemented by 'a really fulsome infrastructure investment strategy that pulls in the private sector, from the mines to the investors, the northern and federal governments, and of course our Indigenous communities and peoples, who want to be part of that.'”

Madeleine Redfern and Dr. Jessica Shadian in (April 2023) ‘A Secure And Sovereign Arctic’, Report by Parliamentary Affairs Standing Committee on National Defence

‘Closing The Gap To Security And Prosperity In The Canadian North: Strategic Arctic Investment Tool’

EXECUTIVE SUMMARY

The three-year project will enable strategic short to long-term public, private, and Indigenous investment in green, connected, smart, and climate resilient multi-user and multipurpose infrastructure in the Canadian North. The collaborative approach to co-investment among DND, Northern Indigenous governments/corporations/and organizations, the private sector and experts will resolve multiple other objectives for the north, including safety, security, sovereignty, Indigenous reconciliation, and continental defence. Demonstrate transformative and strategic infrastructure investment opportunities that are truly multipurpose with the ability to improve the lives of those who live in the north, the majority of whom are Indigenous and Indigenous Youth, create Northern and Canadian prosperity and secure Canada's security and sovereignty.

The Necessity and Background The Canadian North is one of Canada's greatest assets but due to the lack of basic and critical infrastructure has made this region one of our greatest security threats. Canada needs a vision for its North and a strategy that serves as its roadmap to unlock and facilitate investment in the multi-user, multi-purpose social, economic, and defence infrastructure required for today and futureproofs this region. Strategic investments – if done right- can transform the Arctic from a liability into a prosperous, productive, and sustainable region in Canada.

Unlocking the Potential: Interactive Mapping Tool Our project will enable strategic short to long-term public, private, and Indigenous investment in green, connected, smart, and climate resilient multi-user and multipurpose infrastructure in the Canadian North. The interactive, visual, and data driven mapping tool will be the first comprehensive tool that helps consolidate and understand what exists currently, short-term needs, and accompanying data required government and private investors. It will identify and enable planning and investment in strategic multipurpose social, economic, and defence infrastructure including economic potential for the Canadian North in key sectors (critical minerals, tourism, fisheries, mining, telecommunications, defence, energy, innovation, blue economy), a roadmap for 2050 (transcending individual election cycles), and investor potential (i.e., multiple projects, pipelines of projects, project templates for replication).

The 3-year project is co-developed and includes a Steering Committee (comprised of Northern and Indigenous businesses and leaders with positions and responsibilities to their own communities and industries, Northern industries, and the private sector and Arctic leaders including Indigenous youth). The accompanying Workshops facilitate engagement and shared learning among Indigenous communities, investors, governments, infrastructure engineers, and other stakeholders. It also compliments and includes existing data and published reports



(e.g., federal, Senate, Parliamentary, Indigenous, think tanks) that address Northern infrastructure gaps and priorities. When launched, the interactive mapping tool will foster an integrated, strategic, future proofed, multiuser, multipurpose blueprint to build the social, economic, and defence infrastructure needed to foster a prosperous, sustainable, and secure North at home, Arctic region, and in collaboration with Canada’s strongest allies.

Benefit & Outcomes Demonstrate transformative and strategic infrastructure investment opportunities that are truly multipurpose with the ability to improve the lives of those who live in the north, the majority of whom are Indigenous and Indigenous Youth, create Northern and Canadian prosperity and secure Canada’s security and sovereignty.

Additional Deliverables

- Arctic Investment Tool to help unlock investment public-private investment in multi-user and multi-purpose critical Arctic transportation, energy and telecommunications infrastructure.
- An independently led process executed by a leadership team comprised of Indigenous, and Northern leaders, defence, public and private sectors, that operates with a transparent structure to support investment and prosperity in the Northern Regions.
- A comprehensive situational report on Current State of Canada’s North, the whole of the Arctic region and related global geopolitics with a focus on security, safety, and prosperity.
- A library/inventory of data and opportunities related to the Arctic.
- A series of major symposia and round table events that produce a co-developed plan to enable and accelerate infrastructure development in the Arctic.
- The potential for establishing a clear pathway to support investment into both public and private sector initiatives with a long-term vision beyond 2040.
- Digital Asset Mapping tools for the North that enable the fulfillment the infrastructure needs as identified by Northerners while benefitting the whole of Canada and Canada’s Arctic commitments to its allies.

Participants: Project Leads

- **Arctic360** is Canada’s premier Arctic think tank is a non-partisan, registered not-for-profit organization with a majority Indigenous-led leadership team. The organization works with Indigenous corporations and Northern governments, the federal government, the private sector, Arctic leaders, like-minded neighbours, think tanks and institutions around the circumpolar region and beyond to elevate the national conversation about Canada’s North and the Arctic region.
- **ConvergX® Global Solutions Foundation** is a not-for-profit Canadian corporation that prioritizes Canadian competitiveness by accelerating the adaption and adoption of



industrial technologies across all major sectors, including and especially aerospace, defence, security, energy, agriculture, construction, mining, health and biotech, ICT and manufacturing. By working with partners and stakeholders in both the private and public sectors, CGSF delivers major events and facilitates ongoing discussions on how to positively impact Canada's prosperity through technology especially in the Canadian Arctic.

Participants: Arctic360 Interactive Map Steering Committee

- Jessica Shadian, President and CEO Arctic360
- Madeleine Redfern, Executive Director, Northern Branch, Arctic360; COO CanArctic Inuit Networks
- Rebecca Connelly, Vice President, Strategic Engagement, Det'on Cho Corporation
- Paul Gruner, CEO, Tlicho Corporation
- Darrell Beaulieu, Denendeh Investment Corporation
- Bob McLeod, Former Premier GNWT
- Kirt Ejesiak, CEO, Arctic AUV
- Leona Aglukkaq, BOD, Agnico Eagle; former MP for Nunavut
- Udluriaq Hansen, Vice President, Community & Strategic Development, Baffinland Mine
- Tim Brown, Assistant Director, Policy and Planning, Nunavut Tunngavik Incorporation (NTI)
- Tom Hoefler, Executive Director, Nunavut and NWT Chamber of Mines
- Dennis Patterson, (former) Canadian Senator, Nunavut
- Jimi Onalik, President, CanNor
- David Willis, De Beers Canada Inc. Environmental & Community Coordinator
- Peter Garapick, Director, Industry Relations at Quark Expeditions
- David Connelly, Ile Royale Enterprise
- Clint Davis, North35
- Derron Bain, Managing Director, Concert Infrastructure
- Paul Barrett, Chief Communications Officer, Chantier Davie Canada Inc.
- Chris Webb, Nassituq
- Canadian Arctic Innovation Association
- Inuit Business Council
- Patrick Duxbury, Inuit Development Corporation Association
- Doug Turnbull, Vice Chairman - Country Head, Canada, Morningstar DBRS
- Todd McCauley, Sahtu Secretariat Inc.

Participants: Strategic Arctic Investment Tool Advisory Committee

- Department of National Defence Canada



- Royal Canadian Navy
- Royal Canadian Airforce
- Infrastructure Division
- Prairies Canada
- NORAD
- University of Calgary, Political Science and Global Affairs
- Canadian Global Affairs Institute
- Bird Construction
- JPL Holdings
- Rain Cage Technologies
- Network Innovations
- DediKey Technologies
- University of Alberta
- Lockheed Martin Corporation
- PrairieSky Strategies
- Ignite Technologies
- Collins Aerospace
- Guild One
- TrustBix
- NATO Industrial Advisory Group
- WaVv Business Development Corporation
- Canadian Arctic Innovation Association
- Inuit Business Council

Stages Of Development And Expected Milestones:

Phase I: Strategic Arctic Investment Tool Proposal Development

- a. Round Table Discussions ✓
- b. Draft Proposal for Funding ✓
- c. Establish Working Group to Oversee Project ✓
- d. Confirm Advisory Group Members ✓
- e. Arctic360 Pre-Conference Workshop Roundtable ✓ (See Appendix 1)



Appendix I: CLOSING THE GAP TO SECURITY AND PROSPERITY IN THE CANADIAN NORTH

Pre-Arctic360 2024 Annual Conference Round Table

10:00-15:00

This Workshop was possible due to support from DND



DRAFT Agenda

- 1. Welcome and Introductions**
- 2. Updates from Previous Round Tables**
 - a. Convergx**
 - b. Arctic360**
 - c. April 2023 Calgary Roundtable**
- 3. Presentation on the Arctic Action Plan Program**
 - a. Project Overview and Roadmap**
 - b. Project Budget**
- 4. Roundtable Discussion**
- 5. Next Steps and Actions**



BACKGROUND The workshop helped provide Arctic360/ConvergX important feedback and input into the Arctic Mapping Tool Project which has been submitted for funding into various Government of Canada programs. This Report is a summary from that Workshop. The feedback and input will also be used to amend the Project proposal accordingly. This engagement and consultation of the existing proposal can assist those reviewing the amended proposal as being verified and validated by key stakeholders including representatives from academia, industry, Indigenous organizations/development corporations and northerners who live and work in Canada's Arctic.

SUMMARY The Workshop conversation revolved around the need for a comprehensive strategy and tools such as the Arctic integrated and interactive map to assist in how to address the unique challenges of northern infrastructure development, including identifying Indigenous equity partnerships, mapping critical subject areas and assets, and leveraging private capital investment.

The importance of aligning social and economic infrastructure with defense infrastructure, and the potential for smart city development was highlighted as well as the need for a digital platform to facilitate investment in northern communities.

The Workshop attendees stressed the imperative to consider northern priorities alongside the potential for investments in the mineral industry and national defence needs – to ensure that Northern infrastructure investments and development will help support and enable communities meet their basic and fundamental infrastructure needs.

NEXT STEPS The Workshop attendees identified a series of next steps. The Report should be shared with Arctic360's extended advisory committee, BOD, Fellows, and workshop participants to get validation. A marketing strategy should be considered including a 3-minute elevator pitch, 1-page executive summary (completed), and a quad chart to effectively communicate the project. Include in the budget a separate budget and ongoing revenue model for updating and maintenance of Interactive Mapping Tool (e.g., subscription-based models, sponsorship, advertising) with a 5–7-year timeline for quarterly updates, maintenance, and upkeep ('living tool') and explanation of governance and ownership structure (e.g., nonprofit model to ensure long-term sustainability). Include a definition of the geographic scope/boundaries for the mapping project which will be based on the Arctic and Northern Policy Framework. Identify various mapping layers (with varying levels of access). Include existing letters and additional letters of support.