Arctic

Canadian Capabilities Guide

Government to Government Acquisition



CANArctic

CCC | Canada

CCC is Canada's government to government contracting agency.



To help foreign government buyers meet their complex and critical procurement needs, CCC offers a proven government to government service to purchase solutions from Canada.

De-risk the procurement process
We remove contract performance risk with our proven G2G contracting model, vendor due diligence, and government guarantee of contract performance.

Faster and better procurement
We satisfy priority needs with unsolicited proposals from qualified Canadian suppliers. We welcome value for money assessments on our proposals.

Attract sources of financing
We bring a proven track record of successfully delivered public sector projects and a network of commercial banks to attract project financing.

Building our shared bilateral relationship
Each G2G contract is an opportunity to deepen our trade relationship and builds meaningful ties between our governments.



www.ccc.ca

Table of Contents

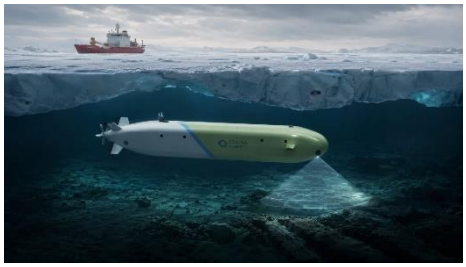
Ice, Ocean Technologies & Services 5
AUTONOMOUS MARINE SYSTEMS 5
Cellula Robotics 5
ICE MONITORING, OCEAN OBSERVATION & MARITIME AWARENESS 5
GeoSpectrum Technologies 5
MDA Space 6
Ultra Maritime 6
NAVIGATION & MARITIME SYSTEMS 7
OSI Maritime Systems 7
Clean Arctic Technologies and Services 8
ENVIRONMENTAL SERVICES 8
AECOM 8
Cold Climate Manufacturing 9
ARCTIC MOBILITY & SPECIALIZED VEHICLES 9
Zeal Motor (FAT TRUCK) 9
EXTREME COLD WEATHER CLOTHING & EQUIPMENT 9
Wuxly 9
Kamik 10
MODULAR INFRASTRUCTURE & DEPLOYABLE FACILITIES 10
ATCO 10
Northern Infrastructure, Engineering and Design 11
ENGINEERING, DESIGN & PROJECT DELIVERY 11
Norda Stelo 11
AECOM 11
Northern Transportation and Logistics Services 12
AIR TRANSPORTATION 12
Canadian Helicopters Limited 12
Kenn Borek Air 12
PLANNING & MOBILITY 13
NORDA Stelo 13
Arctic Maritime 14
ICEBREAKERS, SHIPBUILDING & NAVAL SUPPORT 14
DAVIE 14
Seaspan 14
MARITIME SURVEILLANCE & OPERATIONS 15
PAL Aerospace 15
Climate ICT & Arctic Earth Observation 16
SATELLITE COMMUNICATIONS & CONNECTIVITY 16
TELESAT 16
COMMAND & COMMUNICATIONS SYSTEMS 16
Base Camp Connect 16
GEOSPATIAL INTELLIGENCE, MAPPING & DATA ANALYTICS 17
Nova Maps 17
Arctic Aerospace and Defence 18
MAINTENANCE, REPAIR, AND OVERHAUL (MRO) 18

IMP Aerospace....18
C4ISR, Sensors & Electronics 18
49North 18
D-TA Systems 19
L3Harris WESCAM 19
Training & Simulation 20
CAE 20
Autonomous Vehicles 20
Volatus Aerospace 20
Public Safety & Emergency Response 21
Medical Support Systems 21
Thornhill Medical....21
Public Safety Management 21
CanOps 21

Ice, Ocean Technologies & Services

Autonomous Marine Systems

Cellula Robotics



Products: Guardian™ Long-Endurance AUV

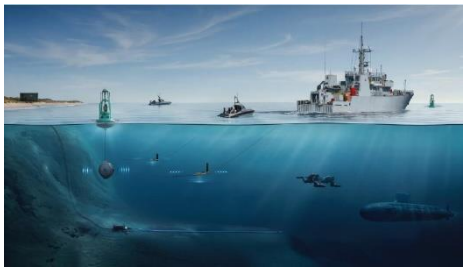
Capabilities: Cellula Robotics develops long-endurance autonomous underwater vehicles and subsea sensing systems for defence, security, and government applications. Designed for Arctic and remote operations, our hydrogen-powered platforms provide persistent surveillance, under-ice ISR, environmental monitoring, and maritime domain awareness across vast operating areas.

www.mapnova.com

Headquarters and Locations Across Canada: Burnaby, BC (HQ); Halifax, NS

Ice Monitoring, Ocean Observation & Maritime Awareness

GeoSpectrum Technologies



Products: Hydrus Thin-line Digital Array, C-Bass VLF Sound Source, TRAPS [Towed Reelable Active Passive Sonar]

Capabilities: GeoSpectrum Technologies delivers Arctic-capable maritime ISR through rugged passive and active acoustic systems, towed and fixed arrays, and deployable sensors designed for harsh, remote environments. GTI supports under-ice, coastal, and offshore surveillance, enabling detection, classification, and situational awareness for defence, security, and research missions.

www.geospectrum.ca

Headquarters and Locations Across Canada: Dartmouth, NS (HQ); Peterborough, ON; Port Coquitlam, BC.

MDA Space



Products: RADARSAT-2, MDA CHORUS™, MDA AURORA™

Capabilities: MDA Space is Canada's leading space technology company and a global trusted mission partner serving commercial, civil and defence customers worldwide.

Drawing on a heritage of over half a century of world firsts and more than 450 successful missions, we build the space between proven and possible in the areas of robotics, satellite systems, and geointelligence services.

mda.space

Headquarters and Locations Across Canada: Brampton, ON (HQ); Ottawa, ON; Montreal, QC; Halifax, NS; Richmond, BC.

Ultra Maritime



Products: Persistent surveillance and threat detection to remote decision makers, containerized ASW array in optionally crewed and uncrewed applications

Capabilities: Sea Tracker is a hybrid anti-submarine warfare sensing system that provides persistent underwater surveillance in Arctic and cold-water environments. It detects and tracks quiet submarines across remote regions, supporting distributed sensor networks, low-logistics deployment, and enhanced maritime domain awareness. Sea Spear is a lightweight, rapidly deployable sonar system for crewed and uncrewed platforms. Its autonomous sensing, tracking, and classification capabilities support Arctic surveillance of submarines, UUVs, critical waterways, and strategic chokepoints in remote, infrastructure-limited environments.

umaritime.com

Headquarters: Dartmouth, NS (HQ)

Navigation & Maritime Systems

OSI Maritime Systems



Products: Military Integrated Bridge & WECDIS for resilientnaval navigation and tactical operations.

Capabilities: OSI enables Arctic maritime security and sovereignty through advanced navigation and Integrated Bridge Navigation Systems. Designed for defence and coast guard fleets, its solutions deliver precise positioning, sensor fusion, electronic charting, route optimisation and operational decision support in remote, ice-prone environments.

osimaritime.com

Headquarters and Locations Across Canada: Vancouver, BC (HQ; . Halifax, NS, Ottawa, ON.

Clean Arctic Technologies and Services

Environmental Services

AECOM



Products: Arctic Environmental Services, Remediation & Energy Solutions

Capabilities: AECOM supports government clients across the Arctic with environmental stewardship, remediation, climate resilience, and clean energy solutions. Our services span environmental assessment, permitting, monitoring, contaminated sites management, energy transition planning, and Indigenous engagement to enable sustainable northern development.

aecom.com

Headquarters and Locations Across Canada: Markham, ON (HQ); 31 other locations across BC, AB, SK, MB, ON, QC, NB, NS, NL, NT.

Cold Climate Manufacturing

Arctic Mobility & Specialized Vehicles

Zeal Motor (FAT TRUCK)



Products: FAT TRUCK® Arctic Mobility Amphibious Vehicle (AMAV) series including the models: FT1, FT2, FT2CH, FT3, FT4, FT5 and FT5QD

Capabilities: FAT TRUCK® Arctic Mobility Amphibious Vehicles deliver year-round mobility across deep snow, ice, muskeg, mud, wetlands, open water and sharp glacier terrain. Their low ground pressure, hydrostatic direct-drive system, amphibious capability and water-to-ice self-recovery support operations where access is extremely difficult. Highly modular architecture, including optional quick-disconnect technology, enables rapid adaptation for personnel transport, logistics, CASEVAC, command and control, recovery, surveillance, engineering support and other specialized government missions.

fattruck.com

Headquarters: Cowansville, QC.

Extreme Cold Weather Clothing & Equipment

Wuxly



Products: Sabertooth Arctic Parka, Annex Vest, Hybrid Fleece Jacket, Wool Base Layer System, Extreme Cold Sleeping Bag, Arctic Gloves, Extreme Cold Arctic Boots

Capabilities: Wuxly manufactures head-to-toe extreme cold weather systems in Canada: parkas, insulated pants, modular wool layering systems, vests and bombers, sleeping bags, and Arctic handwear and footwear liners with Canadian-owned partners. Our Ranger Concept line adapts these offerings for endurance Arctic operations. Coast-to-coast manufacturing secures Canadian fabrics and sovereign surge capacity.

wuxly.com

Headquarters: Mississauga, ON.

Kamik



Products: Arctic Boots, Removable Thermal Liners Systems and Waterproof Footwear

Capabilities: Kamik is Canada's largest domestic footwear manufacturer. We've been making cold-weather footwear here for 125 years. Our Arctic systems combine waterproof construction, removable thermal liners and traction for extreme conditions. Development, testing and production happen in Canada. When Arctic supply needs to move at scale, we're already here.

kamik.com

Headquarters: Montreal, QC.

Modular Infrastructure & Deployable Facilities

ATCO



Products: Arctic Infrastructure & Facility Solutions, Mission Support, Logistics, Remote Disaster Response, Site Services, Fire Prevention Services.

Capabilities: ATCO Frontec specializes in delivering infrastructure, logistics, and operational support for defence and government missions in Arctic and remote environments. Backed by decades of northern expertise and Indigenous partnerships, we enable resilient infrastructure, rapid response, and sustained operations in some of the world's harshest conditions.

frontec.atco.com

Headquarters and Locations Across Canada: Calgary, AB (HQ); Ottawa, ON; Yellowknife, NT; Resolute Bay, NU.

Northern Infrastructure, Engineering and Design

Engineering, Design & Project Delivery

Norda Stelo



Products: Multidisciplinary engineering firm with expertise in industrial and infrastructure sectors, including arctic infrastructure and construction.

Capabilities: Norda Stelo provides integrated engineering, project delivery, asset management, and lifecycle optimization for critical infrastructure in harsh, remote environments. From EPCM execution to community and industrial facilities of various types like mining facilities, remote camps, and utilities, the firm supports planning, rehabilitation, and modernization while improving resilience, reliability, and long-term asset performance.

norda.com/en/

Headquarters and Locations Across Canada: Québec, QC (HQ); 17 other locations across QC, ON, NL, AB, and BC.

AECOM



Products: Arctic Buildings & Resilient Infrastructure Solutions

Capabilities: AECOM provides planning, architecture, engineering, and program delivery services for defense, institutional, and community infrastructure in Arctic and northern regions. We support government clients with resilient facilities, operational bases, logistics infrastructure, housing, utilities, and energy solutions designed for extreme climates, remote operations, and long-term mission readiness.

aecom.com

Headquarters and Locations Across Canada: Markham, ON (HQ); 31 other locations across BC, AB, SK, MB, ON, QC, NB, NS, NL, NT.

Northern Transportation and Logistics Services

Air Transportation

Canadian Helicopters Limited



Products: Helicopter Transportation, Helicopter Search and Rescue (SAR), Air Ambulance/Medevac, Helicopter Construction / Heavy Lift.

Capabilities: Canadian Helicopters Limited (CHL) has been operating rotary wing aircraft for over 75 years and provides both domestic and international service. CHL has extensive Arctic and Antarctic capability, with over 60 years experience operating in the polar regions. CHL operates a large fleet of intermediate, medium and heavy lift helicopters with authorization for visual (VFR), instrument (IFR) and night vision goggle (NVG) flight operations. Services include personnel/cargo transport, aerial construction, fuel hauls, air ambulance/medevac, and SAR.

canadianhelicopters.com

Headquarters and Locations Across Canada: Les Cedres, QC (HQ); base locations in AB, BC, NT, NU, MB, QC, ON, NS, NB, NL & LAB.T.

Kenn Borek Air



Products: Specialized aviation services, Arctic and polar air operations, scientific research support, environmental monitoring, airborne surveys, remote logistics, and exploration support

Capabilities: Kenn Borek Air (KBA) has over 55 years' experience operating aircraft in the most remote and demanding polar regions of the world. As a trusted provider of specialized aviation services, KBA has built an unmatched reputation for delivering safe and efficient support to scientific research efforts, environmental monitoring, airborne survey, remote field programs, and exploration efforts throughout the Canadian Arctic and internationally.

borekair.com

Headquarters and Locations Across Canada: Calgary, AB (HQ); Iqaluit NU; Resolute Bay NU; Inuvik; NT.

Planning & Mobility

NORDA Stelo



Products: Multidisciplinary engineering firm with expertise in industrial and infrastructure sectors, including arctic transportation, logistics, and mobility.

Capabilities: Norda Stelo delivers planning, engineering, and advisory services for roads, bridges, railways, and materials-handling systems, including strategic northern corridors. Its teams optimize transportation networks and logistics that improve access, supply-chain efficiency, and connectivity for northern and remote communities, applying smart-mobility and asset-durability approaches.

norda.com/en/

Headquarters and Locations Across Canada: Québec, QC (HQ); 17 other locations across QC, ON, NL, AB, and BC.

Arctic Maritime

Icebreakers, Shipbuilding & Naval Support

DAVIE



Products: Complex ice and warship design, manufacturing, conversion, repair and operation

Capabilities: Davie is a global leader in Icebreaker design and construction, illustrated with the largest Icebreaker orderbook in the NSS. It is the first in the industry for converting a commercial vessel into a NATO compliant Naval Auxiliary, that is owned and operated on behalf of DND to support the RCN and Allied navies. Additionally, Warship ISS and refitting across North America and Northern Europe.

davie.ca

Headquarters and Locations Across Canada: Lévis, QC (HQ); Montreal, QC; Ottawa, ON.

Seaspan



Products: Multi-Purpose Icebreakers, Naval Corvettes, icebreaker, science and naval vessel design, construction, and repair.

Capabilities: Seaspan designs and builds complex icebreakers, science, and naval vessels, including the world's largest and most powerful heavy icebreakers and Canada's largest navy ships. Its Multi-Purpose Icebreaker design, a highly versatile Arctic/Antarctic asset, has programs totaling 22 ships with Canada and an allied nation. Its two repair shipyards are among North America's most capable Pacific coast MRO yards.

seaspan.com

Headquarters and Locations Across Canada: North Vancouver, BC (HQ); Victoria, BC; Ottawa, ON.

Maritime Surveillance & Operations

PAL Aerospace



Products: Force Mul plier Program (FMX), Canadian Dash 8 P-4 Mul-Role Aircra , Ice Management Services

Capabilities: PAL Aerospace delivers turnkey end-to-end Arc c capabili es, including aircra modifica on, contracted special missions, airborne ISR, mari me surveillance and patrol, ice monitoring, and mission data management. Through FMX, the Canadian P-4, and Ice Management Services, PAL supports sovereignty, search and rescue, emergency response, and real me decision making with precision.

palaerospace.com

Headquarters and Locations Across Canada: St. John's, NL (HQ); Halifax, NS; Saint-Laurent, QC; Ottawa, ON; Vaughan, ON; Winnipeg, MB; Campbell River, BC; Comox, BC.

Climate ICT & Arctic Earth Observation

Satellite Communications & Connectivity

TELESAT



Products: Telesat Lightspeed, a Low Earth Orbit (LEO) satellite network designed to provide high-speed, low-latency, fiber-like connection to users worldwide. Telesat Lightspeed can also provide sovereign, secure, reliable MILSATCOM capability for defence use cases.

Capabilities: Telesat Lightspeed National LEO is a secure, sovereign solution tailored for governments. It delivers low-latency, high-performance connectivity through commercial and military Ka-band services. Designed for ubiquitous coverage, mission assurance, in-country infrastructure, cyber resilience, and sovereign data control, it ensures private, resilient, and autonomous communications for national priorities.

telesat.com

Headquarters and Locations Across Canada: Ottawa HQ; Gatineau, QC; Papineauville, QC; Timmins, ON; Estevan, SK; Shaunavon, SK; Saskatoon, SK; Hanover, ON; Calgary, AB; Fort McMurray, AB; Winnipeg, MB; Iqaluit, NU; St. Johns, NL.

Command & Communications Systems

Base Camp Connect



Products: Deployable Interoperability Built for EnhancedOperational Readiness in DDIL Environments

Capabilities: Base Camp Connect engineers communications solutions for Arctic sovereignty, security, and emergency response operations. Trusted by armed forces worldwide, its C4ISR architecture bridges voice, data, and radio into a unified platform, sustaining command and control from the tactical edge to HQs and enabling shared awareness and interoperability across remote, joint, and multinational operations.

basecampconnect.com

Headquarters and Locations Across Canada: Lévis, QC (HQ); Sherbrooke, QC

Geospatial Intelligence, Mapping & Data Analytics

Nova Maps



Products: Nova Polaris - Uncrewed Systems Management & Common Operating Picture Platform

Capabilities: Nova delivers sovereign, real-time situational awareness for Arctic operations: a unified Common Operating Picture across uncrewed systems, aircraft, and ground assets; AI-enabled target detection; rapid orthomosaic mapping; and encrypted live streaming. Resilient, Starlink-compatible architecture built for austere northern environments, with all data on Canadian soil.

mapnova.com

Headquarters and Locations Across Canada: Victoria, BC (HQ); Kamloops, BC.

Arctic Aerospace and Defence

Maintenance, Repair, and Overhaul (MRO)

IMP Aerospace



Products: Arctic Aerospace In-Service Support, Logistics & Engineering Solutions

Capabilities: IMP Aerospace & Defence delivers integrated in-service support, logistics, engineering, and systems integration solutions for government operations in remote and harsh environments. With expertise supporting fixed and rotary-wing aircraft, including the C-130 and CH-149 fleets, IMP provides mission-ready sustainment, field support, and innovative engineering services designed to enhance operational effectiveness, safety, and reliability in Arctic conditions.

mpaerospaceanddefence.com

Headquarters and Locations Across Canada: Halifax, NS (HQ); Gander, NL; Greenwood, NS; Ottawa, ON; Trenton, ON; Abbotsford, BC; Comox, BC

C4ISR, Sensors & Electronics

49North



Products: C4ISR, combat systems components, shipboard electronics, global procedure design, automated charting and encoding, and additional supporting services.

Capabilities: A wholly-owned subsidiary of MDA Space building on more than five decades of trusted Canadian defence delivery, 49North operates as a sovereign Canadian provider of mission-critical C4ISR systems, bringing disciplined prime-contractor execution to defence and security programs outside the space domain.

49northdefence.com

Headquarters and Locations Across Canada: Ottawa, ON (HQ); Halifax, NS; Richmond, BC.

D-TA Systems



Products: EMSO solutions including OTHR, SIGINT systems, EW threat emulation, and RF spectrum record/playback

Capabilities: D-TA delivers end-to-end EMSO capabilities for government and defense organizations, including long-range surveillance, SIGINT collection, EW testing and training, RF spectrum recording and analysis, and threat emulation. These support intelligence gathering, spectrum dominance, force readiness, system validation, and operational decision-making across land, sea, air, and unmanned platforms.

d-ta.com

Headquarters: Burlington, ON.

L3Harris WESCAM



Products: WESCAM® MX®-Series multi-sensor, multi-spectral electro-optical/infrared (EO/IR) ISR and targeting systems.

Capabilities: L3Harris WESCAM, headquartered in Hamilton, Ontario, manufactures the high-performance MX-Series family of EO/IR imaging and targeting systems, designed for airborne, land and maritime missions in the Arctic. From the marinized CMX-15 MS and MX-10 MS to the versatile MX-15 and flagship MX-20, these multi-sensor systems are integrated on over 280 platforms worldwide combining superior tracking, laser designation, precision geolocation and powerful image processing with high reliability to deliver exceptional ISR, target acquisition and mission effectiveness in the world's harshest operating environments.

l3harris.com/en-ca

Headquarters and Locations Across Canada: Hamilton, ON (HQ) Ottawa, ON; Toronto, ON; Montreal, QC; Moose Jaw, SK; Calgary, AB;Burnaby, BC; Victoria, BC; Fredericton, NB; Halifax, NS.

Training & Simulation

CAE



Products: Mission Readiness, Training & Simulation, Multi-Domain Synthetic Environment, Systems Engineering.

Capabilities: CAE's Command and Control (C2) and Common Operating Picture (COP) capabilities support Arctic operations by integrating data from diverse sensors and communication systems to create a comprehensive operating picture. Backed by CAE's expertise in systems integration, modelling, and simulation, these solutions enhance situational awareness, planning, training, and operational decision-making.

cae.com

Headquarters and Locations Across Canada: Montreal, QC (HQ); Mirabel, QC; Bagotville, QC; Ottawa, ON; Petawawa, ON; Trenton, ON;Toronto, ON; Winnipeg, MB; Moose Jaw, SK; Cold Lake, AB; Comox, BC; Gagetown, NB; Halifax, NS; Greenwood, NS.

Autonomous Vehicles

Volatus Aerospace



Products: K1000ULE – 24+ hr electric UAV for remote,runway-free operations with ATNE++ (communication mesh networkon land, sea and air).

Capabilities: Volatus Aerospace supports government Arctic operations through long-endurance surveillance, heavy-lift logistics and Arctic-enabling and hardening technologies developed through R&D, global OEM collaboration and systems integration. Our Operations Control Centre provides remote mission planning, monitoring, oversight and data coordination, complemented by operator training delivered in remote locations worldwide.

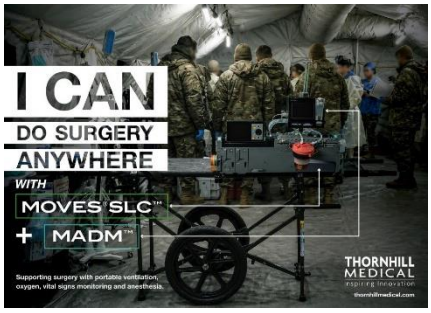
volatusaerospace.com

Headquarters and Locations Across Canada: Mirabel, QC (HQ; Quebec City, QC; Vaughan, ON; Villeneuve, AB.

Public Safety & Emergency Response

Medical Support Systems

Thornhill Medical



Products: MOVES® SLC™ micro-integrated portable life-support system with built-in oxygen, and MADM™, anesthesia module.

Capabilities: Thornhill Medical is a Canadian leader in portable critical care technologies purpose-built for extreme and remote operations. MOVES® SLC™, with integrated oxygen generation, and MADM™, its companion anesthesia module, enable advanced patient care where cold, vast distances, limited infrastructure, prolonged transport times, and constrained resupply challenge healthcare delivery and patient outcomes.

thornhillmedical.com

Headquarters: Toronto, ON.

Public Safety Management

CanOps



Products: Public Safety Telecommunications, Public Safety Education & Campaign Services, Data Management Systems, Organizational Support & Business Continuity, IT Services, National Coordination

Capabilities: CanOps is a national, non-profit organization that works with governments, emergency services, public safety agencies, and communities to deliver practical solutions that improve emergency response, strengthen operations, and support safer communities. Through expert advice, operational services, technology solutions, training, and national collaboration, we help public safety organizations solve complex challenges and prepare for the future.

canops.org

Headquarters: Prince Albert, SK.

Contact CCC

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