

DRDC | RDDC

TAKING YOU FURTHER



Work with the national leader in defence and security science and technology

Defence Research and Development Canada (DRDC) builds Canadian defence and security by working closely with Canadian Armed Forces (CAF) operators, federal departments, allies, academia, and industry. We leverage scientific excellence, strong partnerships, and direct integration with CAF operations.

DRDC strengthens the current and future operational capabilities of the CAF through:

Research excellence

Advancing science and knowledge

Expert insight

Informing defence decisions

Rapid innovation

Anticipating threats and protecting Canada

Connect with a national network of defence science excellence

Atlantic Research Centre, Nova Scotia: Centre of excellence for maritime defence science supporting Royal Canadian Navy and joint maritime operations.

Centre for Operational Research and Analysis, Ontario: Provides operational research, strategic analysis, and joint targeting expertise for CAF and DND.

Centre for Security Science, Ontario: Delivers science and technology (S&T) solutions for public safety, emergency management, and national security, supporting CAF domestic operations.

Ottawa Research Centre, Ontario: World-class hub for electromagnetic spectrum research enabling CAF communications, sensing, and electronic warfare.

Suffield Research Centre, Alberta: Canada's premier centre for chemical, biological, and radiological defence, supporting CAF force protection.

Toronto Research Centre, Ontario: Centre of excellence for human performance, training, medicine, and human systems integration for defence and security.

Valcartier Research Centre, Quebec: Provides evidence-based advice on information systems, optronics, and combat systems supporting CAF modernization.

Expanding mandate

NORAD Modernization: Advancing CAF Capabilities

Canada's NORAD modernization plan protects Canada and North America from emerging threats, especially in the Arctic. Through the NORAD Modernization Science & Technology program, DRDC is enabling future CAF capabilities. Investments include \$4.23B over 20 years, with \$1.28B from 2024-25 to 2027-28. DRDC is advancing all-domain sensing, modern communications, resilient command and control, next-generation air weapons systems, and infrastructure upgrades that ensure CAF readiness and continental defence.

Bureau of Research, Engineering and Advanced Leadership in Innovation and Science

BOREALIS is Canada's mission-driven, whole-of-government initiative to accelerate high-potential technologies for defence and national security. DRDC leads early implementation through the BOREALIS Joint Program Office. The initiative streamlines coordination and expedites innovation from concept to operational capability, delivering modern tools and technologies needed by the CAF and CSE.



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