



# Continental Defence Science and Technology Investment

## What is the Continental Defence Science and Technology Investment?

We are investing in the Canadian innovation ecosystem to support North American Aerospace Defense Command (NORAD) modernization and continental defence. Announced in June 2022, the Continental Defence Science and Technology (S&T) Investment of \$4.23 billion over 20 years will focus on innovation and development making use of Canadian industrial capacity and academic research.

The Continental Defence S&T Investment consists of:

- assessing new and emerging threats
- enabling continuous evolution of research and development (R&D)
- co-developing innovative technological solutions with Canada's closest allies, particularly with the United States

## Why do we need the Continental Defence Science and Technology Investment?

The Continental Defence S&T Investment is key to the modernization of NORAD, which will help Canada meet evolving security challenges, reaffirm shared commitments, and reinforce close cooperation with the US.

### Priorities:

- Polar over-the-horizon-radar (OTHR)
- Hypersonic and advanced cruise missile defence
- Novel and resilient space systems in low earth orbit (LEO)
- Autonomy and counter-autonomy
- Undersea surveillance
- Cyber and artificial intelligence (AI)
- Quantum technologies
- Cloud-enabled command, control, communications, computers, intelligence, surveillance and reconnaissance (C4ISR)
- Enabling defence research and development in the Arctic

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