TORONTO REGION
ACCELERATE INNOVATION.

Toronto Region's nuclear energy cluster evolved around CANDU heavy water reactor technology

Specialized Labour

- Local domain expertise (10,000 employees in Ontario)
- University Network of Excellence in Nuclear Engineering (UNENE)
- Nuclear Engineering Master programs offered at these universities: McMaster, Waterloo, Western Ontario, Queen's and Toronto
- University of Ontario Institute of Technology
  - School of Energy Systems and Nuclear Science

Public Sector R&D

- Atomic Energy of Canada Limited (AECL)/Team CANDU
  - CANDU reactor technology
  - Advanced fuelling, project management and operations
- Natural Sciences and Engineering Research Council of Canada
  - Corrosion and protection of metallic materials
  - Nuclear Safety Analysis
- The Energy Roundtable

Anchor Companies

- Atomic Energy of Canada Limited (AECL)
- Team CANDU

Leading Customers

- Ontario Power Generation
- International Governments
- Private Industrial customers (Bruce Power)
- Joint government/industry consortia

Suppliers and Infrastructure

- Babcock & Wilcox Canada (Cambridge): Steam generator supplier
- GE Canada (Toronto): Fuel reactor components supplier
- Hitachi Canada (Mississauga): Power conversion equipment supplier
- SNC-Lavalin Nuclear (Oakville): Nuclear engineering services supplier
- Organization of CANDU industries (96 companies, primarily in Southern Ontario): Equipment suppliers
- Cameco (Saskatoon, Saskatchewan): Uranium supplier

Specific regulatory and incentive support

- All third-party liability is channeled to the operator
- Operator's liability is limited

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