

Industrial Research Assistance Program

IRAP Overview Northern Ontario's Road to Defence

2018-03-20



National Research
Council Canada

Conseil national de
recherches Canada

Canada 

What is IRAP?

IRAP is a Federal Program under the National Research Council.

IRAP is a technology network serving small & medium enterprises (SMEs) via:

- **Utilizing/leveraging networks**
- **Advisory Services**
- **Programs with contribution**



IRAP's mandate

Stimulate wealth creation for small & medium sized Canadian enterprises through technological innovation.

Innovation \approx New Idea + Commercialization

IRAP

IRAP helps SME's undertake Research & Development leading to:

- **Innovative new products**
- **Innovative new processes**

IRAP strives to benefit SME's through:

- ✓ **Increased technical capabilities**
- ✓ **Increased sales**
- ✓ **Reduced costs**
- ✓ **Skilled job creation**

Who does IRAP work with?

Canadian incorporated companies under 500 employees.

These SME's typically have:

- ✓ **A competent management team pursuing growth.**
- ✓ **At least one post secondary graduated technical employee.**
- ✓ **An understanding of their market needs and a realistic plan to address that market.**
- ✓ **Access to sufficient working capital to proceed.**
- ✓ **Agree with/to NRC-IRAP's terms & conditions.**

Advisory Services

There are approximately 210 Industrial Technology Advisors (ITA's) across Canada.

Each ITA has a technical and business background.

Accessing and utilizing the expertise of these ITA's provides a service to SME's.

SME's ask ITA's for specific advice on technical and or financial situations.

Small teams of ITA's with specific pertinent experience address and advise the SME's.

IRAP Contribution Programs

Green Youth

Youth (Standard)

IRAP

Youth Employment Programs

Youth-Green (\$10,000)

- ✓ Between 15 – 30 years of age (inclusive).
- ✓ A Canadian citizen, permanent resident of Canada, or person who has been granted refugee status in Canada.
- ✓ Legally entitled to work according to the relevant provincial legislation and regulations.
- ✓ A first-time participant in a Youth Employment Strategy work experience program targeted at **Youth**.
- ✓ Internships are available anywhere in Canada and must last for a **minimum of 3 months and a maximum of 6 months**.
- ✓ To be considered “**Green**” one of the following criteria is required:
 - Does the nature of your business align with green economy sectors and industries?
 - Is the Youth internship expected to produce an environmental benefit?

Youth Employment Programs

Youth Employment Program (\$30,000)

- ✓ Between 15 – 30 years of age (inclusive).
- ✓ **A post-secondary graduate**
- ✓ A Canadian citizen, permanent resident of Canada, or person who has been granted refugee status in Canada.
- ✓ Legally entitled to work according to the relevant provincial legislation and regulations.
- ✓ A first-time participant in a Youth Employment Strategy work experience program targeted at **post-secondary graduates**.
- ✓ Internships are available anywhere in Canada and must last for a **minimum of 6 months and a maximum of 12 months**.

Financial Assistance (NRC IRAP)

- ✓ **Be a SME in Canada, incorporated and profit-oriented.
(incorporated for profit)**
- ✓ **Have 500 or fewer full-time equivalent employees.**
- ✓ **Have the objective to grow and generate profits through development and commercialization of innovative, technology-driven new or improved products, services or processes in Canada.**

(NRC IRAP) Contribution Levels

It is THEORETICALLY possible to have an R&D Project up to \$1,000,000 contribution.

Projects over \$150,000 contribution should have linkages with external technology research institutes (NRC & other government, Universities, etc).

Intellectual Property projects up to \$15,000 contribution. (ARP)

Business growth Strategies up to \$30,000 contribution. (ARP)

Small IRAP Project up to \$50,000 contribution.

Medium IRAP project up to \$150,000 contribution.

Medium-large IRAP project up to \$350,000 contribution.

Large IRAP project above \$350,000 contribution.

(NRC IRAP) Assessment Criteria

In general, Projects are rated against:

➤ **Benefits to Canada.**

**Increase Canada's intellectual capital,
Generate economic benefits to SME and Canada,
Improve global competitiveness,
Create jobs.**

➤ **Wealth creation.**

**Significantly contribute to earnings,
Advance technical capabilities or core competency of the SME.**

➤ **Technological Innovation.**

**Achieve desired objectives,
Scientific/experimental method.**

(NRC IRAP) Assessment Criteria continued

In general, Projects are rated against:

- **Ability of the SME to commercialize the results of the project.**
- **Environmental issues.**
- **Animal and human ethics.**

(NRC IRAP) Application & Approval Process

NRC-IRAP programs are solicited. (by invitation)

Discussion with ITA is essential. (early discussions)

Documentation from the SME is required.

ITA evaluation, additional technical and/or business assessments as required.

**RCAO screening, Director Approval and possibly approval of:
Executive Director, Director General and Vice President.**

Approval time varies by project size & complexity.

Development time varies mainly by SME.

(NRC IRAP) Contribution

Contribution can ONLY be applied to the cost of labour.

- **Direct labour of SME employee(s) up to 80% of salary costs.**

(agreed to and identified T4 employees within the project required to obtain stated objectives)

- **Contracted costs up to 50%.**

(Agreed to and identified contractors within the project required to obtain stated objectives)

International

The key to NRC-IRAP's strategic planning is growing SMEs to be ready for international markets & technology opportunities.

NRC-IRAP support includes:

- **Competitive intelligence on international markets and technologies.**
- **Funding to support international R&D collaboration projects and technology missions.**

International continued

NRC-IRAP International manages relationships with many foreign R&D agencies.

- **CanExport.**
- **Eureka.**
- **Trade linkages with Multi-National Enterprises (MNEs).**
- **Canadian International Innovation Programs (CIIPs) India & China.**
- **Canadian Technology Accelerator (CTA) linking Canadian consulate affiliated SMEs with acceleration opportunities in the USA.**

Contact Information & Thank-you

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