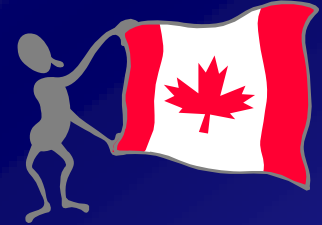


IRAP

Industrial Research Assistance Program



Canada's flagship Innovation and Technology
Assistance program



John Hatherley - Industry Technology Advisor

NRC - CNRC

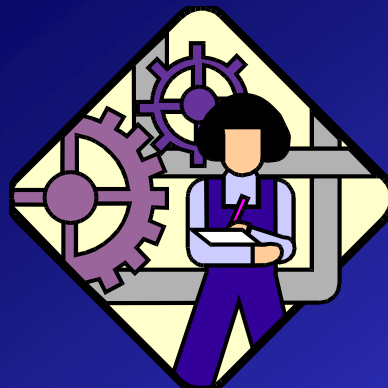
What is IRAP ?

- **Federal Program**
- **Technology Network serving SMEs via advisory & financial assistance**



IRAP 's Mandate

***Stimulate wealth creation for
small & medium sized
Canadian enterprises through
Technological Innovation***





*IRAP helps companies undertake
R&D leading to :*

- New products
- New processes
- Improved existing products or processes

BENEFITS TO COMPANIES

- Increased capabilities (skills, know-how) and competitiveness
- Reduced costs
- Increased sales
- New jobs created



Who do we work with?

Canadian Incorporated companies under 500 employees and typically having:

- A balanced, competent management team
- An understanding of their market's needs
- A realistic plan to address that market

Access to sufficient working capital to proceed

Agreement with NRC-IRAP's terms and conditions



Advisory Assistance

- Help refine plans for technology or R&D
- Technical Information & Patent searches
- Strategic Business Planning / Market Research (Rotman, CMA)
- Access to product and process improvement expertise (Internal IRAP expertise, NRC affiliates, External)



Contribution programs

Small Projects – Accelerated Review Process

- Up to \$50K for small R&D projects.
- Intellectual Property – up to \$15K contribution related to first filing of a patent
- Business Growth Strategies – Up to \$30K



Youth Internship Program \$30,000

■ Eligibility:

- Grads up to 30 yrs old.
- Graduated with last 3 years.
- Does not need to be from Northern Ontario.
- If not Canadian should have Permanent Resident or Refugee status.



R&D Projects – \$50,000 – 1,000,000

- IRAP works with Canadian Corporations interested in developing technology
 - Adaptation of existing technologies
 - R&D to advance **unproven** technologies
 - Perform test model or pilot stage

Note that projects over \$150,000 Contribution : Should have Linkages with external sources of technologies (NRC & other government, Universities ...etc)



R&D Assessment Criteria & Process

- In general Project submissions are rated against.
 - **Benefits to Canada**
 - **Wealth creation**
 - **Technological Innovation**
 - *Other?*



Assessment Criteria : Benefits to Canada

- Increase Canada's intellectual capital
- Generate economic benefits to applicant and Canada
- Improve competitiveness
- Create jobs



Assessment Criteria Con't

■ **Wealth Creation:**

- Does the project significantly contribute to revenue or employment?
- Does the project advance technical capabilities or new core competency for the firm?

■ **Technical risk**

- Can desired objective be achieved?
- Is experimentation required



Other Assessment Criteria?

- environmental issues
- animal and human ethics
- ability of the firm to commercialize the results of the project



Approval Process

- Documents needed

Company Innovation Plan. Project Application, Budget, Gantt Chart Financial Statements. Agree to T&Cs.

(Write for the audience. IRAP likes quantifiable data.)

- ITA evaluation

- Technical & Business assessments

- RCAO screening, Director Approval (& possibly DG, VP approval).



The IRAP contribution can only be applied to the costs of labour.

- Direct Labour (up to 100% of company salary costs)
- Contracted Costs (up to 75 % of contractor salary costs)



International Support Goals

- Key to IRAP's strategic planning is growing SMEs to a mid size and ready for international technology opportunities
- IRAP has long supported SMEs to seek out international technology partners
- Our support includes:
 - Information and competitive intelligence on international markets and technologies
 - Host foreign SMEs and missions that visit Canada
 - Funding to Canadian SMEs to carry out technology missions
 - Funding to support international R & D collaboration projects



NRC-IRAP International

- **NRC International Relations Office** manages the overall relationships - with many foreign R&D agencies including:
 - Spain – CDTI;
 - France – OSEO, Israel – CIIRDF;
 - India – CII;
 - China – MOST;
 - Netherlands, UK, Chile...etc
- **NRC-IRAP's international focus is on technology partnering** (*technology sourcing, transfer, matching, joint industrial Research & Development projects, joint technology ventures, etc*) **with a view to improve technological innovation in Canadian SMEs.**
- **Government partners** –alliances with Development and Foreign Affairs and International Trade Canada, Export Development Canada as well as provincial partners like the Ontario Centres of Excellence



National Research Council Canada Industrial
Research Assistance Program

Conseil national de recherches Canada
Programme d'aide à la recherche
industrielle

NRC - CNRC

Thank You



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Canada