

NRC-CNRC

*Industrial Research
Assistance Program*

Science
at work for
Canada



National Research
Council Canada

Conseil national
de recherches Canada

Canada 



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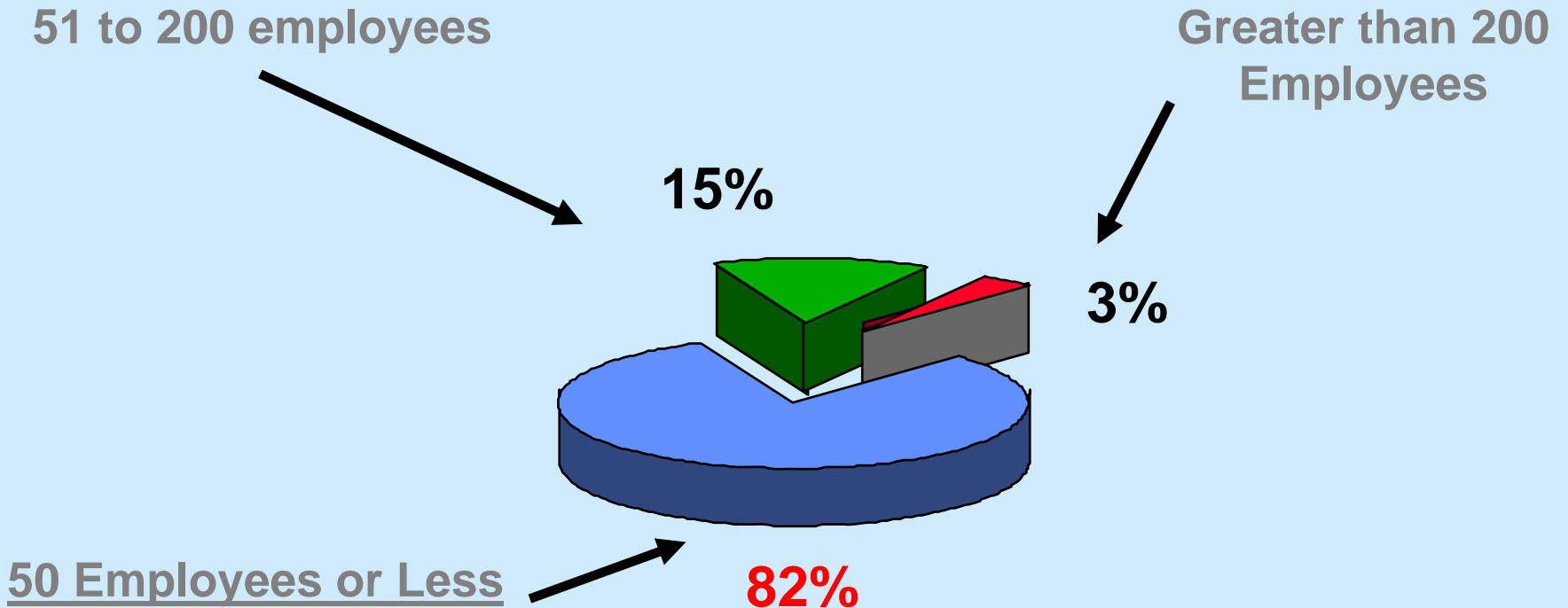
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NRC - IRAP Stimulating Innovation and Productivity in SME's

Ready For The Future

National Research Council
Industrial Research Assistance Program

IRAP's Companies



Canadian SMEs Have Always Had Significant Innovation And R&D Challenges

- **SMEs have limited resources to invest in new and improved products, skills and technologies**
- **Canadian SMEs struggle to grow into medium-sized enterprises**
- **Survival rate for new small businesses average at 72% after one year, 44% after three years, 32% after five years**

Our Clients Are Firms That Are ...

- **Incorporated in Canada, with less than 500 employees, and can demonstrate**
- **Demonstrate a technology opportunity**
- **Have the desire and potential for growth with the intention to commercialize**
- **Have a marketplace orientation that is or will be international**

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NRC-IRAP Offers Services To Help SME Innovate And Build Linkages

**Over 200 Industry Technology
Advisors (ITA's) working on the
shop floor of individual firms in 90
local communities**

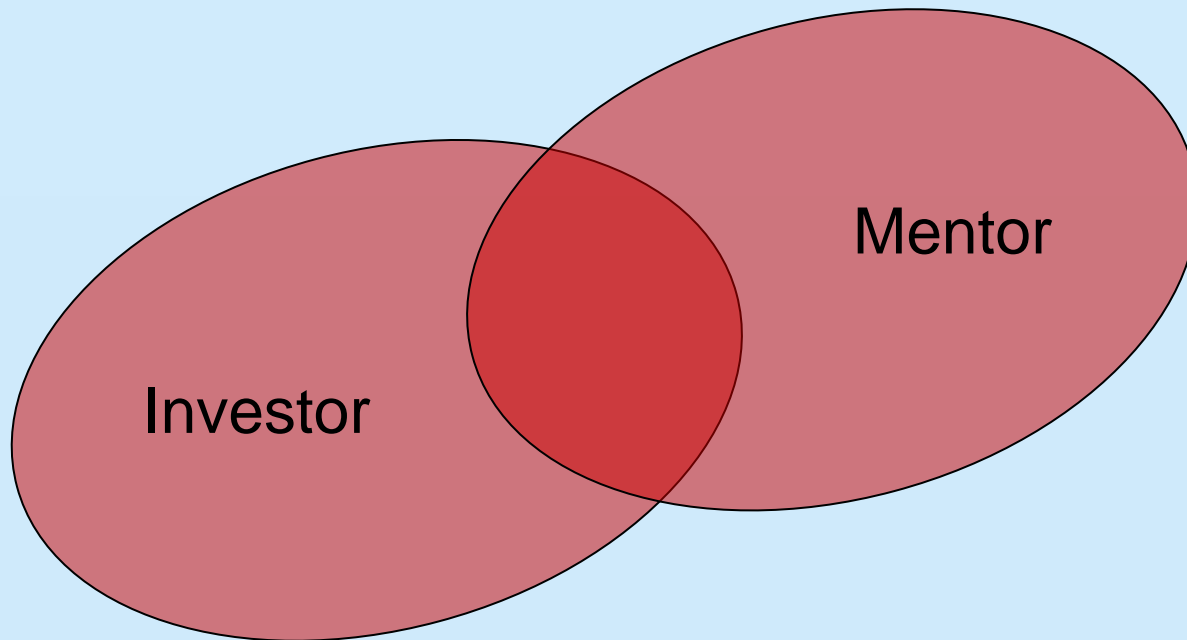


NRC-IRAP Across The Country



The Industrial Technology Advisor (ITA)

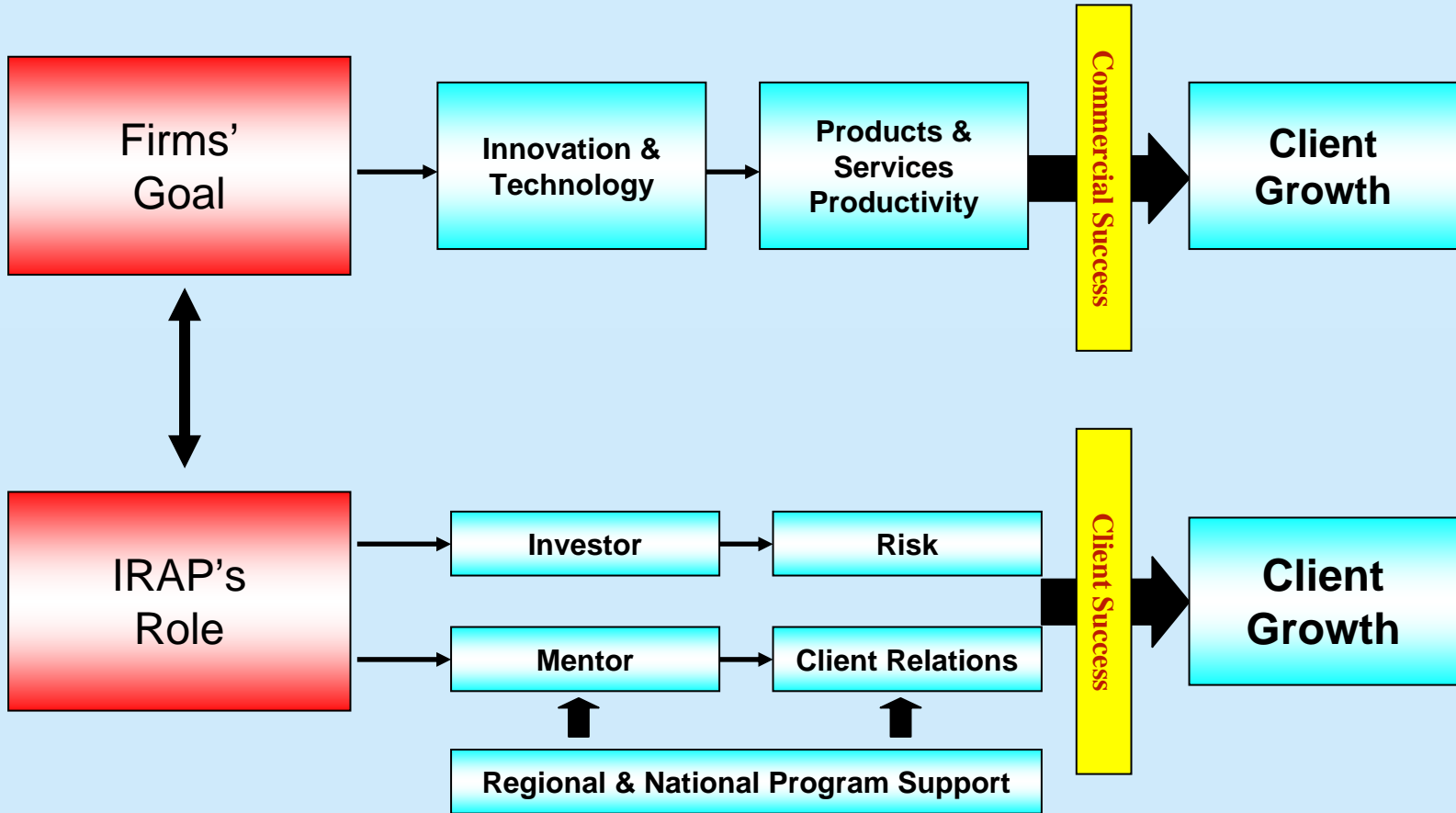
- **OUR MODEL**



What does IRAP do ?

- **Links to S&T resources and networks**
- **Cost-shared financial contributions, small scale, rapid decisions and action**
- **Budget of around \$150 M -- \$100 M going directly to SMEs**
- **Helps SMEs access international technologies via linkages, visits, missions**

Reaffirming our Service Concept



Financial Investments

- **Two types of contributions:**
 - R&D – up to \$500K (non-repayable)
 - Youth – up to \$15K (non-repayable)
- **Cost-shared.**
- **IRAP portion up to 50% of total project costs for non-repayable contributions**

R&D Assistance

Projects might include feasibility studies, technical viability analysis, access to technology and resources in Canada and abroad



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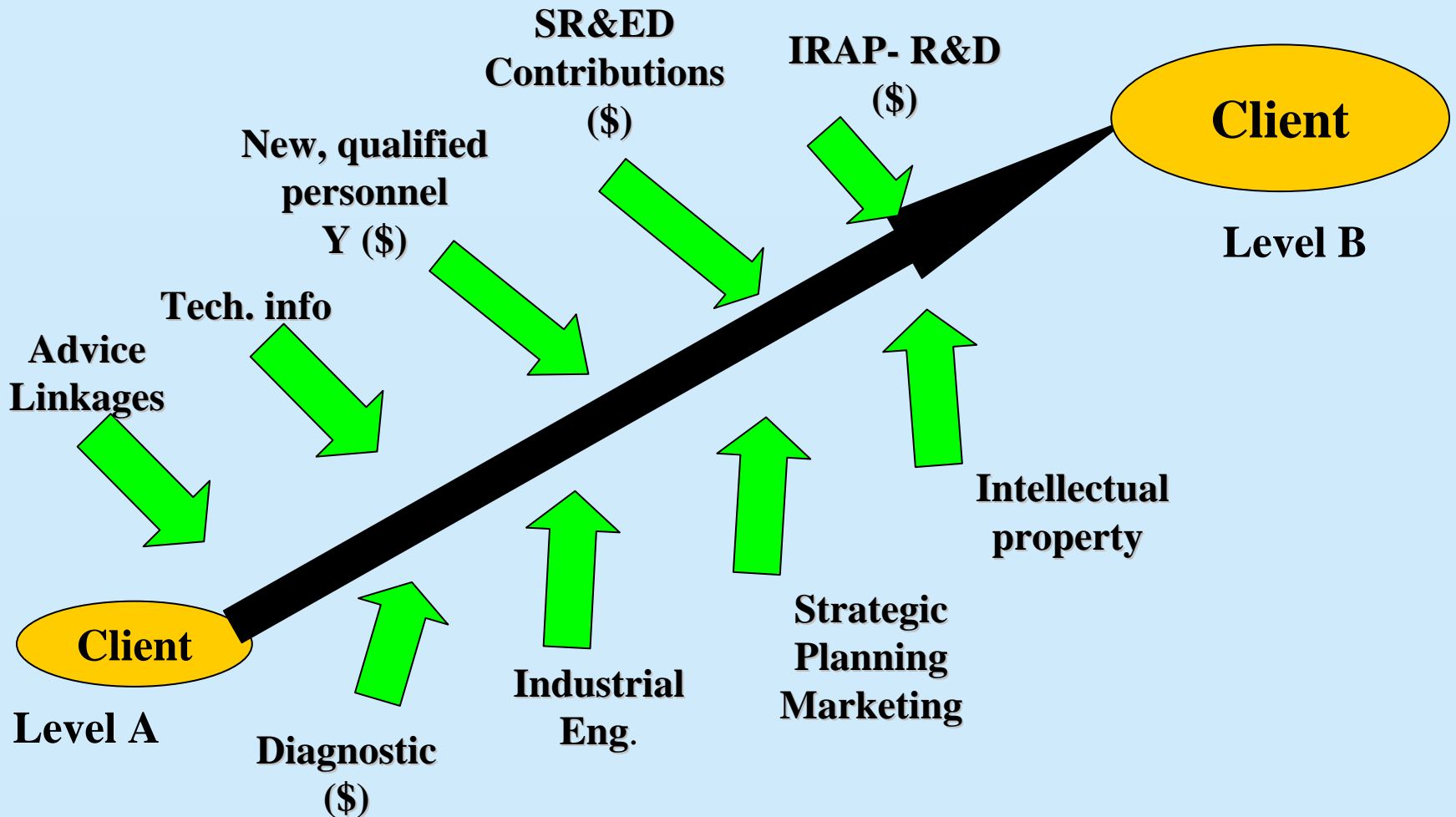
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Youth Program

For SMEs that plan to hire recent graduates (science, engineering, technology, business and liberal arts)

IRAP business model

Increase the innovation capability of SMEs



Quadrise Canada Fuel Systems Inc.

- **A Calgary company leads the way in developing an emulsified fuel to replace natural gas**
- **“ IRAP support allowed us to hire the extra technical expertise we needed, and helped us establish key R&D partnerships – Canmet, SRC ”**
- **The company won the NRC/ASTech Innovation in Industrial Research Prize in 2006**



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Questions?
Thank you