

Alberta Innovates – Technology Futures

Technology Commercialization Presentation
February 3rd 2016

Alberta Innovates

- Sector focus where Alberta has a competitive advantage
- A provincially funded cohesive, accessible research and innovation system
- World-class research to support Alberta priorities
- Coordinates and supports investments required to solve major industry challenges



What's AITF?

- 90+ years of operational experience.
- 520 world-class scientists, engineers, technologists, technicians and business experts (nearly 100 employees have Ph.D.s).
- 1 million square feet of research space.
- 1,000+ industry clients annually.
- \$75 million generated by fee for service work annually.

AITF Mandate & Role

Achieve economic and social benefit for Albertans (ESBA) using research and innovation to grow industry ...

- Research and innovation activities that develop and grow Alberta's technology sectors.
- Aligned to Government of Alberta's priorities, including the commercialization of technology and the application of knowledge.
- Meet Alberta's research and innovation priorities in agriculture, forestry, energy, the environment, health, and other ministries.
- Foster development and growth of new existing industries through research and innovation.

AITF Basic Research

- 34 Strategic and Industrial Chairs.
- 11 Strategic and Industrial Centres.
- 20 Post Doctoral Fellowships.
- 289 Graduate Student Scholarships.
- Visiting Research awards.
- Strategic Networking and Development awards.

AITF Applied Research

Value Proposition:

- Industry focussed (de-risks new technologies through pilot and large-scale testing facilities).
- Internationally recognized scientific capacity.
- 1,000+ customers annually; \$75 million in “fee for service” work.

Key Industry Programs:

- AACI Industry Consortium, Materials & Reliability in Oil Sands (MARIOS) Industry Consortium, Alberta Manufacturing & Fabrication Innovation (AMFI) Program, Alberta Bio-Char Initiative, and others.

AITF Research Facilities Locations

Edmonton



**Edmonton
(C-FER Technologies)**



**Edmonton
(IST at Pylypow)**



Devon



Vegreville



Calgary



**Edmonton
(C-FER Technologies)**

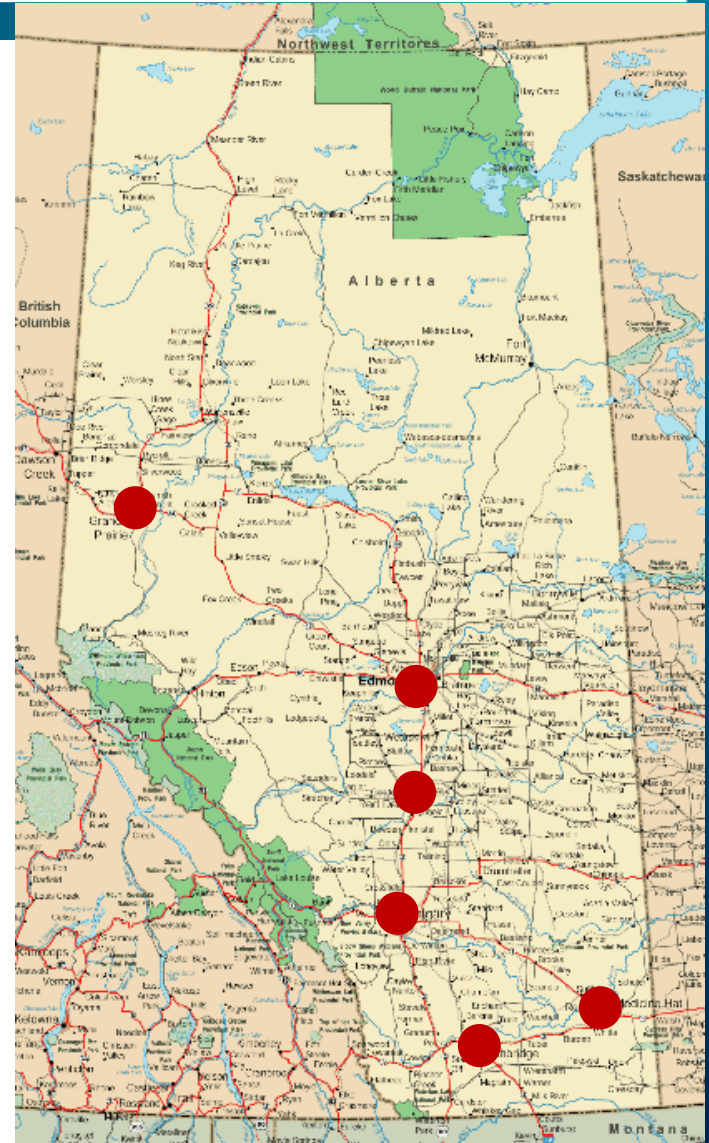


Regional Innovation Networks

Existing Networks



- Grande Prairie
- Edmonton
- Red Deer
- Calgary
- Medicine Hat
- Lethbridge



AITF Commercialization

The Commercialization team provides 4 key services to SME's



Key Requirements

- Micro-vouchers, Vouchers, Industry Associates
- Access to private capital
- i.e. Venture capital, strategic investors, private investors, foundations, and angel investors

Key Requirements

- Technology development advisors, business advisors, executives in residence, AITF staff

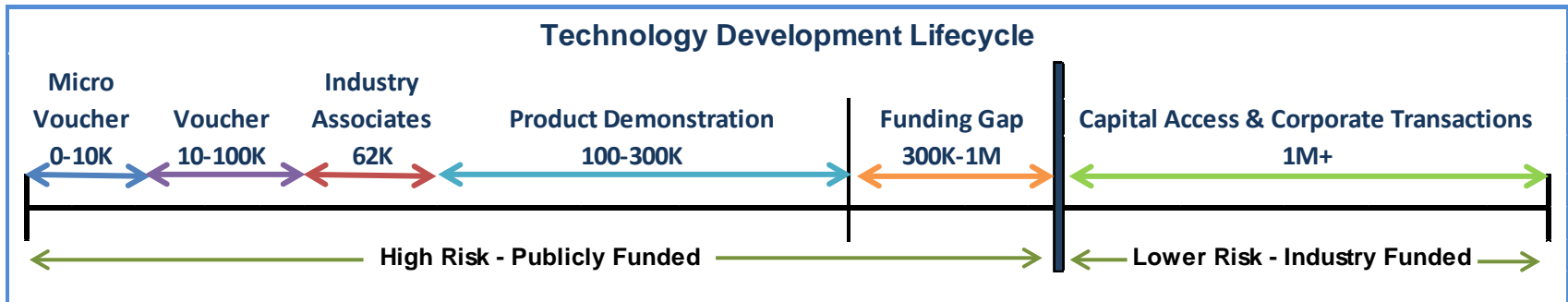
Key Requirements

- Product demonstration program
- SME introduction to grand challenges as participants

Key Requirements

- Regional Innovation Networks, Campus Alberta, TRTech, CETAC West

Commercialization Programs



Micro Voucher TRL2-TRL4

- 0-10K for SMEs (paid to service provider, applicant must contribute 25%)
- Technologies in the early developmental phases
- E.g. Market or IP assessments, market assessment, material purchase

Voucher TRL3-TRL6

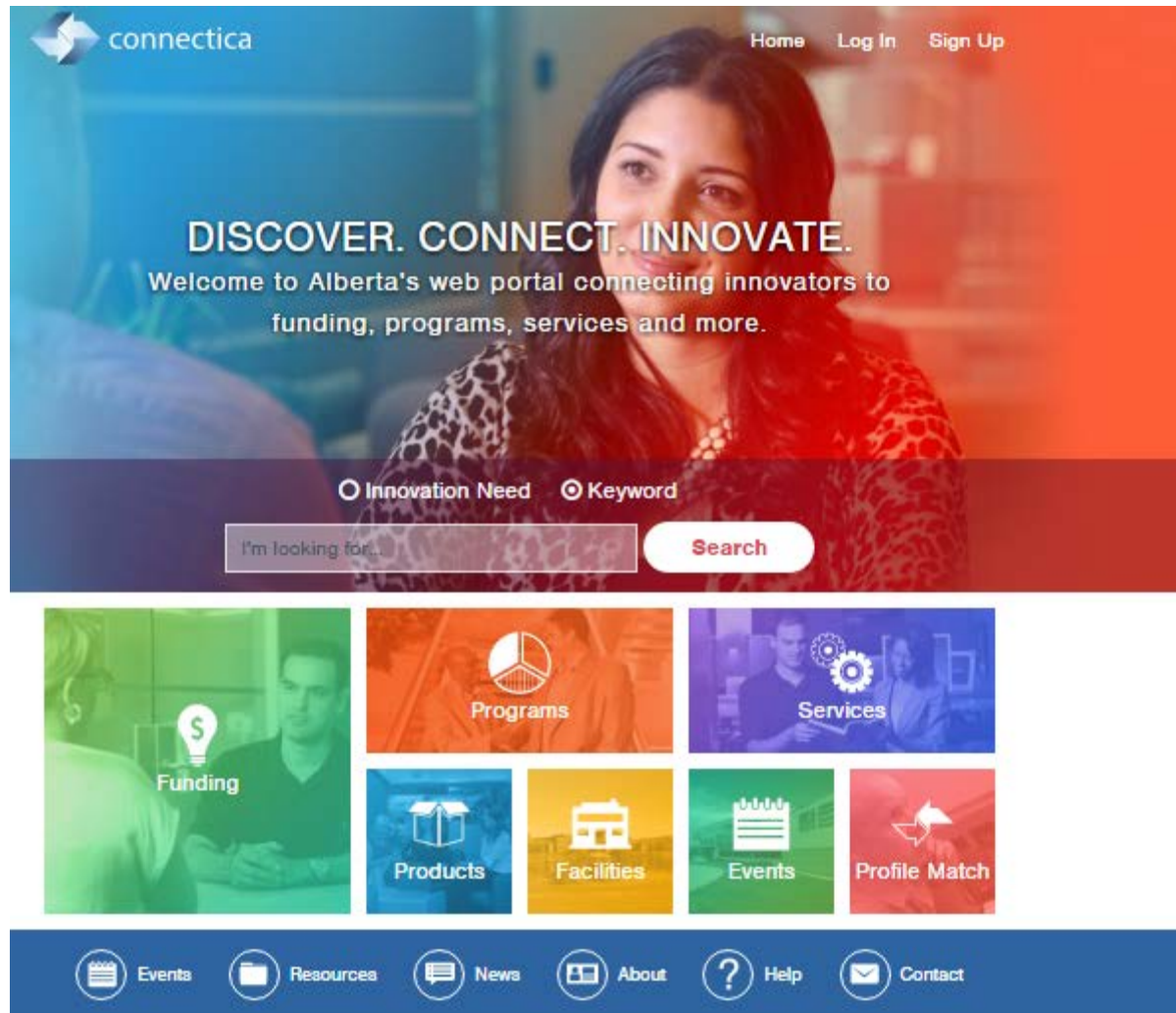
- 10-100K for SMEs (paid to service provider, applicant must contribute 25%)
- Technologies in mid to late developmental stages
- E.g. Design, engineering, prototype development, product testing, patents

Industry Associates

- 55K Annual Stipend and 7K Research allowance (2 year funding)
- Addresses the growing need for research personnel in Alberta industry
- Increases research and business expertise in Alberta-based companies

Product Demonstration TRL7-TRL8

- 100-300K for SMEs (paid to service provider or applicant, the applicant must contribute 25%)
- Technologies in advanced stage of development
- E.g. Prototype demonstration, technology optimization, regulatory approval



Thank You

Contact information

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