



Industry, Science and  
Technology Canada

Industrie, Sciences et  
Technologie Canada

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# ***STRATEGIC TECHNOLOGIES***

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Program  
Information



***ADVANCED  
INDUSTRIAL  
MATERIALS***

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# STRATEGIC TECHNOLOGIES PROGRAM

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.....  
*financial assistance for the  
development and application  
of advanced industrial  
materials, biotechnology and  
information technologies*  
.....

The Strategic Technologies Program is a proactive initiative that covers up to half the eligible costs of R&D or technology application projects in leading-edge technologies undertaken by alliances.

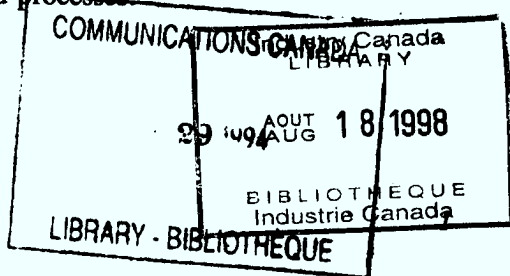
These industry-led alliances, which can also involve universities or research institutes, pool resources to the benefit of all participants and industry as a whole.

The overall goal of the program is to enhance industrial productivity, as well as both domestic and international competitiveness.

## **ALLIANCES**

Two types of alliances are supported under this program:

- 1) **Research and Development Alliances**—a company sharing risks and working with one or more companies, universities or research institutes on leading-edge, pre-commercial R&D to develop the technology base needed for a range of new or improved products and processes.



- 2) ***Technology Application Alliances***— at least two companies and one or more other organizations sharing risks and working jointly on pre-commercial technology development and related studies: to determine the production, economic or market feasibility of new technological products or processes; to develop standards needed to permit applications; or to demonstrate to potential users in Canada the feasibility of leading-edge technology. Partners in this type of alliance can be users or developers of technology.

## ***ELIGIBLE PROJECTS***

Projects must involve alliances among companies, universities or research institutes. These alliances may involve both foreign and domestic partners.

## ***WHO CAN APPLY FOR FUNDING?***

Any alliance of taxable corporations or any non-profit consortium operating in Canada may apply, provided that the proposed alliance:

- has been established specifically to conduct collaborative technology projects and
- has derived the majority of its capital from non-government sources.

Government laboratories and Crown corporations are not eligible as leaders or proponents, although they can be sub-contractors to, or participants in, a consortium or corporation receiving assistance.

## ***C* RITERIA GOVERNING PROJECT SELECTION**

The selection of projects will be based in part on the extent to which they:

- create extensive linkages in Canada for the wide and rapid diffusion of the technologies and know-how generated by the alliance;
- build on key resources existing in Canada and avoid duplication of effort;
- involve an idea that has not previously been exploited in Canada;
- have significant commercial potential, a positive impact on industry as a whole and high technological or market risk;
- enhance Canada's scientific and technological skills, knowledge and personnel;
- improve Canada's industrial infrastructure and the international competitiveness of developers and users of the technologies; and
- benefit small and medium-sized firms;

## ***P*ROJECTS NOT ELIGIBLE**

Projects that would proceed without government assistance are not eligible.

## ***TOTAL SUPPORT AVAILABLE AND ELIGIBLE COSTS***

The Strategic Technologies Program offers non-repayable contributions of up to 50 percent of the eligible costs of a project. These costs must be directly attributable to the project and may include:

- salaries of scientists, engineers, analysts, programmers and technical staff;
- a portion of management and administrative staff salaries;
- materials, components, and special purpose machinery and equipment;
- testing and evaluation prototypes;
- travel and communication expenses;
- subcontracts; and
- tuition and related costs for special training.

## ***DEADLINE***

Applications will be accepted until March 31, 1993.

# ***C*REATING A BETTER CLIMATE FOR ADVANCED INDUSTRIAL MATERIALS**

As part of the Strategic Technologies Program, significant effort is being applied to improve the environment for advanced industrial materials in Canada.

## ***Industry Advocate***

As industry advocate, the Advanced Industrial Materials Division of Industry, Science and Technology Canada (ISTC) works closely with industry, universities, the research community and government colleagues to promote the development in Canada of a climate that favours industrial growth in advanced industrial materials.

## ***Intelligence and Linkages***

Canada's advanced industrial materials users and suppliers must keep abreast of scientific and technological change to remain competitive. The Advanced Industrial Materials Division will help industry keep pace with this rapid change by responding to its need for strategic information on markets and technological opportunities while encouraging the development of collaborative projects and the application of advanced materials in all sectors of the economy. Communication between research workers and users will also be strengthened through existing and new national networks.

## ***F*OR MORE INFORMATION**

The Strategic Technologies Program of ISTC encompasses the development and application of the following strategic technologies—information technologies, biotechnology and advanced industrial materials. Separate brochures on each technology may be obtained from any office of the department across Canada (see pages 11 and 12).

For information on overall program administration, please contact:

The Manager  
Programs and Services  
Advanced Industrial Materials Directorate  
Resource Processing Industries Branch  
Industry, Science and Technology Canada  
235 Queen Street  
Ottawa, Ontario  
K1A 0H5

Telephone: (613) 954-3114  
Fax: (613) 954-3079  
Telex: 053-4123



# TECHNOLOGY OUTREACH PROGRAM (TOP)—ADVANCED INDUSTRIAL MATERIALS (AIM) NETWORKS

.....  
*financial assistance for  
building and promoting  
national networks to  
accelerate corporate  
investment in the development  
and application of advanced  
industrial materials*  
.....

The Advanced Industrial Materials Networks component of the Technology Outreach Program (TOP-AIM) is designed to support non-profit, private-sector national networks of university scientists, engineers and industrialists. These networks will exchange information, identify emerging technologies and applications, and draw attention to domestic and international markets of strategic importance. They will facilitate joint planning between researchers and current or potential developers and users of advanced materials.

## ***E***LGIBLE PROJECTS

Projects must involve existing or potential networks working or planning to work in the area of advanced industrial materials. These networks must undertake a range of cooperative activities within an overall strategy that leads to improved communication and joint planning. Projects have to be critical to industrial competitiveness as well.

## ***WHAT KINDS OF NETWORKS WILL BE SUPPORTED?***

**Existing National Networks**—The program will help national networks working on advanced materials to enhance ongoing services and implement new ones. Activities include a range of cooperative ventures related to the exchange of information and joint planning.

**New or Regional Networks**—The program will support efforts to establish new advanced materials networks or expand the scope of existing regional ones. Three different types of organizations will receive assistance in forming national networks or joining existing national networks: small-scale regional networks, isolated associations and informal business or research linkages. In addition to start-up funding, the program will provide funding for a range of cooperative ventures related to the exchange of information and joint planning.

## ***WHO CAN APPLY FOR FUNDING?***

- non-profit corporations in the private sector;
- groups of non-profit corporations in the private sector; and
- groups of corporations in the process of creating a non-profit, private-sector organization.

All of these must be working towards creating or joining a national network of scientists, engineers and industrialists that fulfills the requirements of this program.

## ***HOW WILL PROPOSALS BE ASSESSED?***

The following questions will be important in assessing proposals:

- Will the network overcome problems of fragmentation by developing a critical mass of advanced materials producers, users and researchers?
- Will the network link various scientific disciplines and industry sectors?
- Will the network help identify priorities for university research?
- Will the network facilitate planning for collaborative research and technology transfer through Canadian or international alliances?
- Does the network have the resources, including qualified people, and appropriate mechanisms to disseminate its findings?
- Does the network's business plan include a strategy and financial plan that is both realistic and challenging?
- Will the proposed activities lead to a new national network or enhance an existing one in a reasonable period of time?
- Would the project or activity be feasible without government support?

## ***TOTAL SUPPORT AVAILABLE AND ELIGIBLE COSTS***

The program covers up to 50 percent of eligible costs. They may include:

- salaries and wages;
- travel expenses;
- lease or rental of facilities for meetings, conferences, demonstrations and exhibitions;
- consulting and accounting fees;
- office operation expenses, including office equipment; and
- materials, publications and subscriptions.

## ***FOR MORE INFORMATION***

For further information on the program or the application process, please complete the attached enquiry form and send it to the contact listed for your province on pages 11 and 12. If you have questions, call or write first. On receipt of your enquiry form, an officer will contact you to discuss your proposal in detail. If the proposal meets the program objectives and eligibility requirements, you will be asked to submit a formal application. At that time, your contact at ISTC will provide full instructions on what information is required.

A contact for information on overall program administration is also listed on page 6.

## ***ISTC ADVANCED INDUSTRIAL MATERIALS NETWORK***

### **NEWFOUNDLAND**

Mr. Ken Powell  
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Parsons Building  
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### **QUEBEC**

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Sector Manager  
Transport Equipment and  
Metal Product Industries  
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800 Victoria Square  
P.O. Box 247  
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H4Z 1E8  
(514) 283-3667  
Fax: (514) 283-3302

### **ONTARIO**

Mr. Michael Randerson  
Resources and Chemicals  
ISTC  
Dominion Public Building  
4th Floor  
1 Front Street West  
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(416) 973-5000  
Fax: (416) 973-8714

### **MANITOBA**

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Investment Development  
Coordinator  
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Room 608  
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Winnipeg, Manitoba  
R3C 2V2  
(204) 983-4393  
Fax: (204) 983-2187

### **SASKATCHEWAN**

Mr. Robert McKenzie  
Development Officer  
Advanced Technology  
Agreement  
ISTC  
105-21st Street East  
6th Floor  
Saskatoon, Saskatchewan  
S7K 0B3  
(306) 975-4391  
Fax: (306) 975-5334

**ALBERTA**

Mr. Doug Caston  
ISTC  
Cornerpoint Building  
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10179-105th Street  
Edmonton, Alberta  
T5J 3S3  
(403) 495-3329  
Fax: (403) 420-4507

**BRITISH COLUMBIA**

Mr. C.M. Parikh  
Industry Development  
Officer  
ISTC  
P.O. Box 11610  
900-650 West Georgia Street  
Room 945  
Vancouver, British Columbia  
V6B 5H8  
(604) 666-1407  
Fax: (604) 666-8330

Interested parties in the  
Northwest Territories or  
Yukon should contact the  
representative listed for  
Saskatchewan.



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- *Prière de dactylographier*
- *Mettre un X dans la case appropriée*
- *Veillez adresser cette formule complétée  
à la personne ressource affectée à votre province  
(voir pages 11-12)*

Nom de l'organisme

Adresse postale

Nom de la personne ressource

Titre du

Quelle technologie stratégique  
vous intéresse?

☐

Matériaux industriels  
de pointe

Quel élément du programme  
vous intéresse?

☐

Alliances de R-D

Décrire brièvement la nature du projet qui vous intéresse. Joindre une li



- Please type
- Mark the correct box with an X where provided
- When completed, please send this form to the contact point in your province (see pages 11-12)

Name of Organization	
Mailing Address	
Name of Contact	Position

Which strategic technology is of interest to you?	<input type="checkbox"/> Advanced Industrial Materials
Which program element is of interest to you?	<input type="checkbox"/> R&D Alliances

Describe briefly the nature of the project that is of interest to you. Attach a
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**ENQUIRY FOR STRATEGIC TECHNOLOGIES PROGRAM  
AND TECHNOLOGY OUTREACH PROGRAM - ADVANCED  
INDUSTRIAL MATERIALS (TOP - AIM) NETWORKS**

- Please type
- Mark the correct box with an X where provided
- When completed, please send this form to the contact point in your province (see pages 11-12)

Official Use Only
Office
Ref.
Date

Name of Organization		
Mailing Address		
Telex or Fax		Postal Code
Name of Contact	Position Title	Telephone No.

Which strategic technology is of interest to you?	<input type="checkbox"/> Advanced Industrial Materials	<input type="checkbox"/> Biotechnology	<input type="checkbox"/> Information Technologies
Which program element is of interest to you?	<input type="checkbox"/> R&D Alliances	<input type="checkbox"/> Technology Application Alliances	<input type="checkbox"/> Top-Aim Networks

Describe briefly the nature of the project that is of interest to you. Attach a list of potential co-participants.
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A standard 1D barcode is located at the bottom of the page, used for document tracking and identification.

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STRATEGIC TECHNOLOGIES : AD  
VANCED INDUSTRIAL MATERIALS  
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Strategic technologies : adv

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