CMC Solutions

Program Objective
CMC Solutions is a collaborative cost-sharing program that leads to joint R&D projects and that:

- Directly contributes to client R&D objectives.
- Adds to the set of technologies, services or capabilities delivered to the National Design Network (NDN)—see topic areas or theme descriptions for guidance.
- Stimulates value creation and/or contributes to training.

Some projects may not meet all these objectives—all applications will be considered and may be directed to other programs or support.

Description
- This program will defray costs for microsystems development and prototyping, and contribute HR resources for collaborative R&D projects that are structured for mutual benefit to clients and to the NDN.
- Projects are solicited in a number of theme areas. These themes are linked to prioritized technologies, markets, research, and development areas. Project selection takes into account a fit to one or more themes. Unsolicited themes are also welcomed, and may indicate additional areas to shape support outside of the presented themes.
- Projects may be initiated by academic or government researchers, or companies. Projects are research- and/or development-oriented, and are aligned with strategies for the NDN or more dedicated to client requirements.
- Project expenses are shared between clients, CMC, and other collaborators.
- CMC’s budget allocation reflects the expected benefit to the NDN.
- Project duration is expected to be less than one year.
- Continuing assistance may be available to those who intend to commercialize project output.

Intellectual Property
Researchers and their collaborators involved in R&D projects use background intellectual property (IP), create foreground IP, and generate new knowledge. CMC approaches these projects expecting that whenever possible, the IP will subsequently result in a benefit to Canada preferably including economic value creation.

Related Expectations
- Clients will own their IP developments arising from the project.
- CMC will own its IP developments arising from the project.
- CMC will provide rights to IP developed by CMC at no cost to others involved in the project who are proceeding with commercial development.
- Clients will provide to CMC at no cost rights to their IP arising from the project if they do not plan to develop it.
- Clients will provide to CMC at no cost rights for non-commercial use of their IP arising from the project for the purpose of delivering developments to university and college users.
- Not all projects are expected to yield valuable IP. Some projects may require a separate agreement.

**Funding and Cost Sharing**

- Investment is on a cost-sharing basis. CMC will contribute personnel to the project and cover some portion of the project expenses. Expenses for academic salaries or stipends are generally ineligible.
- This contribution can range from $5,000 and up to 15 person-days, to $50,000 and up to 100 person-days, for example, for experienced teams or ground-breaking activity.
- CMC funds are allocated to prototype development, including fabrication/testing costs, equipment, materials and supplies. If there are no prototyping costs, only engineering support will be provided.
- The CMC investment will be managed by a CMC employee who is an integral part of the project team.

**Eligibility**

- CMC Solutions supports collaborative R&D projects that align with the goals of the NDN. Projects must have exploratory or commercialization objectives involving micro-nano technologies or integrated microsystems.
- Collaborators must be from a Canadian post-secondary institution, company, or government laboratory.
- Principal Applicants may participate in only one CMC Solutions project at a time. While a letter of intent can be submitted, the subsequent project plan cannot be approved until a previous project is completed, based on completion terms agreed in a statement of work.
- Timelines and availability of resources may be determining factors for project acceptance.
- To submit an application, the Principal Applicant need only have an account with CMC. To benefit from an award, the Principal Applicant must be a Prototyping Subscriber, and co-applicants and collaborators must be at least Basic Subscribers for the duration of the project. Subscribers always receive notice of program updates before they are posted in public and often are consulted about possible adjustments including new or revised topic descriptions.
How to Apply

- If you don’t already have one, you must first create an account with CMC.
- Review the Technology Themes statements. Projects that do not fit any of the technology themes are also welcome and will be considered on their own merits.
- Review the Letter of Intent (LOI) form, enter the requested information and submit.
- Submissions will be solicited from time to time and submissions may be made at any time.
- Next submission deadline is July 4, 2013.

Review Process

- LOIs are screened by CMC for potential benefits to the National Design Network (NDN), applicant eligibility, resource availability, and fit with technology themes.
- There will be a response to a submitted LOI within four weeks. The response will indicate whether the project has been selected for further consideration.
- Following a favourable response, the applicant will work with a designated CMC Technical Project Manager to develop a detailed project plan, including:
  - Project Purpose and Overview
  - Collaborators engaged in the project and their respective roles and responsibilities
  - Allocation of committed financial contributions (cash and in-kind) from each of the participants
  - Allocation of HR resources
  - Project deliverables
  - Project schedule including
    - Review milestones
    - Expected completion date and conditions for completion status.
    - Related options for early termination of the activity based on interim project results
  - Key risks and challenges
  - IP expectations
- The project plan will be reviewed internally by CMC. This review will result in the final go/no go decision for the project.
- Eligible applicants whose LOIs are unsuccessful may reapply.

Project Management

- For each approved project, CMC will designate a Project Manager, who will be responsible for the progress of the work and management of CMC’s financial and HR investment.
- Approved projects will have funding allocated and will proceed according to a detailed and mutually agreed to Statement of Work. The SOW identifies the final agreement on the project plan.
- Aspects of some projects may require additional agreements.