



Benefits of Consortium Membership

The annual membership fee ensures the following benefits for C-MORE Consortium members:

- **Unlimited, company-wide access to two professional consultants in reliability and statistical modeling at the world's pre-eminent centre for studies in physical asset management:**
 - ...with a combined 30 years of experience in solving practical reliability problems across all industries;
 - ...with an exhaustive knowledge of known methodologies and the capability to develop new solution techniques as required;
 - ...who supervise postdoctoral fellows and research students that are also available for assistance with advanced modeling.
- **Ensures the continuation of a unique Canadian resource with access to a world of contacts:**
 - Consortium meetings provide a semi-annual networking opportunity with like-minded organizations;
 - Your company's problems drive the direction of research at C-MORE;
 - Emeritus Director Andrew K.S. Jardine's lifetime of celebrated work in reliability and maintenance;
 - Director Michael Kim is one of the most promising new researchers in this field to have been hired in Canada for a generation.
- **Unlimited access to software solutions developed by C-MORE:**
 - EXAKT – condition-based maintenance optimization;
 - SMS – critical spares decision-making;
 - FFI – protective device inspection interval calculator prototype software;
 - SpareSim – advanced spares decision-making for complex models;
 - Data Quality Assessment Tool – prototype benchmarking tool for reliability and maintenance database assessment.
- **Unique access to world class continuing education in asset management:**
 - Cost-effective and flexible offerings based on U of T's leading 8 Day certificate program in Physical Asset Management.

Consortium Membership Return on Investment

Fees, tax implications, and government research support results in incredible leveraging of resources

2015 Consortium fees were 26,000CAD for continuing members and 39,000CAD for new members (or returning members whose membership had lapsed for more than one year.)

Canadian Consortium members have in the past successfully used membership fees to obtain SR&ED tax credits, thus reducing the effective cost of membership.

Every dollar of Consortium fees is multiplied by at least a factor of 2 from a variety of government research grant programs. Your after-tax fees become over 55,000CAD to support Consortium activities, multiplied again by the number of Consortium members.

ROI Vignettes

Total cost of C-MORE software on open market: \$80,000 (no support, no updates)

Consortium members receive all C-MORE software including SMS and EXAKT to use permanently within their organizations. They receive updates as long as they continue membership. They receive unlimited support from C-MORE staff – the actual software developers themselves.

Case Study in Spares Optimization

Consortium member Teck used C-MORE spares optimization software SMS and special-purpose modifications to right-size wheel motor inventories, avoiding an estimated \$30,000,000 in excess downtime costs since 2011 across multiple mine sites.

Case Study in Condition-Based Maintenance Optimization

Consortium member Irving Pulp & Paper used C-MORE CBM optimization software EXAKT to smartly interpret vibration readings on critical pump bearings to save over \$100,000 in excess downtime costs...*per failure*. They had suffered 12 failures over 3 years before Consortium membership and 0 failures in the 3 years after software installation.

“Help wanted – Experienced researcher with 30 years of industry consulting experience in the use of analytics to achieve excellence in physical asset management decisions – salary \$26,000 pa”

This job ad will not get many responses, yet this is the value your company gets from its access to C-MORE staff.