

## **CNSC – Churchill Northern Studies**

### **Churchill, Manitoba**

#### **PROJECT SUMMARY**

Integrated Designs Inc. is working with CNSC to develop one of North America's most energy efficient and sustainable Northern Research facilities. The site is in Churchill, Manitoba at Canada's former rocket range, where scientific research is carried out by a large number of universities. Each year the centre supports over 200 researchers and students working on over 75 different projects in the biological, physical and social sciences. With 90 beds in 2007, the centre supported over 9,000 user nights.



#### **SCOPE OF SERVICES**

Integrated Designs Inc. is the project manager, sustainability consultant and commissioning manager for this \$19M northern development project. The Integrated Project Delivery process was used to optimize the project with the goal of achieving LEED Gold and very low operating costs, especially in one of Canada's harshest climates.

#### **PROJECT HIGHLIGHTS**

Michael Goodyear Director of the CNSC and the Board Members are totally committed to demonstrating leadership in sustainable Northern Research Development. It has been a pleasure working with CNSC and a very talented project team to deliver this project that is just finishing construction.

- Working with an organization that is totally committed to achieving a sustainable, successful, high performance and cost effective Northern Research Facility.
- Development of fully integrated design solutions that include composting toilets, water treatment, solar wall and durable building.
- Implementation of a 'nega' watts strategy to minimize building loads.
- Adoption of renewable energy strategies including summer solar hot water and wind power generation.
- Establishment of a collaborative Integrated Project Delivery team with the capabilities to deliver a complicated project in time sensitive and effective manner.