



The Canadian Light Source is Canada's national synchrotron radiation facility. Located at the University of Saskatchewan in Saskatoon, the CLS is a powerful source of synchrotron radiation, primarily for the use of Canadian academic and industrial researchers from a broad range of unique scientific disciplines. The Government of Canada, NSERC, NRC, CIHR, the Government of Saskatchewan, and the University of Saskatchewan fund CLS operations.

The scientific program at the CLS is as diverse as the imagination of the scientists making up the Canadian – and international - scientific research and development community. The science conducted at CLS offers the promise of a direct impact on the lives of Canadians, both in terms of general quality of life as well as potential industrial/economic benefits.

Quick CLS facts:

- The 21 beamlines that will be available at the CLS by 2013 cover the spectral range from the infrared to the hard X-rays, and make available most of the techniques in high demand by the international synchrotron user community.
- CLS has more than 700 registered users. As the number of beamlines increases to 21, it is estimated that the annual number of individual researchers accessing the facility will be around 1000, reaching approximately 2000 visits annually by 2012.
- CLS delivers about 5000 hours of operation per year with reliability higher than 96%.
- Scientists from nine provinces and ten countries have performed experiments at the CLS.
- The majority of CLS users currently come from physics and chemistry, the two disciplines that have traditionally utilized synchrotron techniques. However, users from the life sciences (including biology, pharmacy, and medicine) are the fastest growing group.
- CLS provides unique capabilities to industry in a broad range of applicable technologies
- The CLS board of directors includes representation from various funding partners. The management structure emphasizes the facility's unique national character and its focus on serving academic, industry, and governmental users.
- CLS has more than 160 employees, consisting of scientists, engineers, technicians, and administrators.
- Located next to Innovation Place, one of Canada's leading high-tech industrial parks, the CLS provides a much-needed national R&D capability and strengthens Saskatoon's reputation as "Science City"