



research infrastructure for Canada. This can be accomplished by strategic investments in key national facilities. The Canadian Neutron Facility for Materials Research will fit that strategy and will forge a strong link between industrial and university research.

The development of all new and improved materials requires an ever deeper understanding of their behaviour and performance. A wide range of advanced and complementary materials probes has been developed over the years for this purpose.

An intense neutron source is essential to Canada's CANDU nuclear industry, both nationally and in the international marketplace. And it is a key part of the essential suite of materials probes and test facilities on which an advanced industrial economy must rely. Only with a complete set of these facilities can Canada meet the challenges that confront a wide range of industries.

The role of NRC, as the Government of Canada's lead science and technology agency, is to ensure—in

partnership with universities and industry—that the materials research infrastructure is in place, and operated to meet their needs.

"I strongly endorse the approach and activities being undertaken by AECL and NRC to obtain a new Canadian Neutron Facility for Canada".

*Dr. Albert Driedger, FRCPC  
Clinical Professor  
Diagnostic Radiology and Nuclear  
Medicine  
London Health Sciences Centre*

The role of AECL, as a federal Crown corporation and leader of Canada's nuclear industry, is to ensure that key research and product development facilities are available to support existing customers, and to continue to evolve its CANDU and research reactor products. AECL's goals are to remain competitive in the global marketplace, and to ensure the CANDU technology is available to Canada in the future when the need for new and environmentally-sound electricity arises.

With the completion of the Canadian Neutron Facility—along with the Canadian Light Source Synchrotron Facility in Saskatchewan and the upgrading of TRIUMF in British Columbia—Canada will have a materials research infrastructure that includes major facilities for cutting-edge research and innovation well into the next century.



"The Canadian Neutron Facility offers unprecedented potential for the advancement of materials research in Canada and is indispensable for the continued success of Canada's nuclear power program."

*Bertram Brockhouse  
Canadian Nobel Laureate  
(Physics) 1994*

*The development of all new and improved materials requires an ever deeper understanding of their behaviour and performance.*