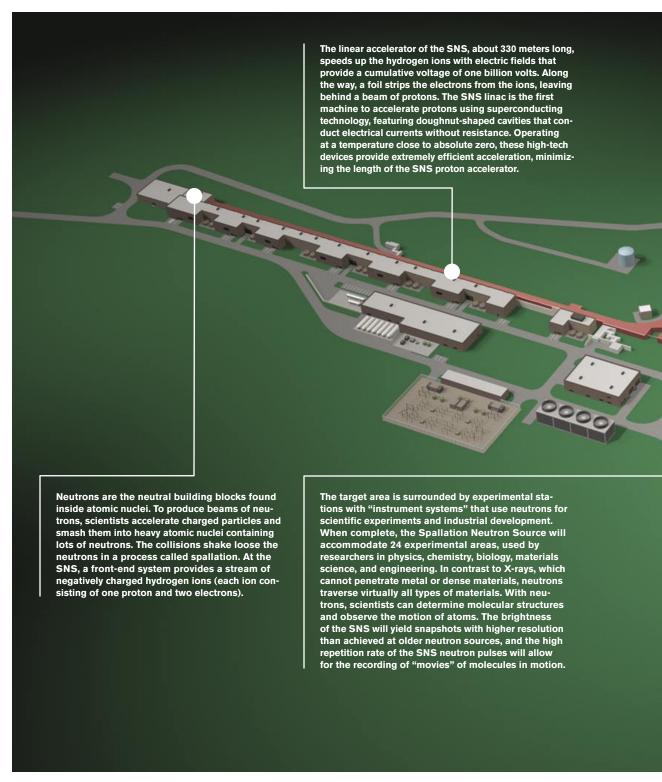
deconstruction: spallation neutron source

Neutron Scattering research has improved the quality of many everyday items: Shatter-proof windshields, credit cards, pocket calculators, airplanes, compact discs, and magnetic storage tapes are just some examples. Probing materials and biological samples with neutrons, scientists have learned more about high-temperature superconductors, aluminum bridges, lighter and stronger plastic products, and pharmaceuticals. The increasing demand for more and better neutron sources has led to the construction of the Spallation Neutron Source (SNS) at Oak Ridge National Laboratory in Tennessee, designed and built by a partnership of six US Department of Energy national laboratories.



Six national laboratories—Argonne, Brookhaven, Jefferson, Lawrence Berkeley, Los Alamos, and Oak Ridge—designed and built the Spallation Neutron Source, which cost US\$1.4 billion. Funded by the Office of Science of the Department of Energy, the construction of the facility took seven years; the first production of neutrons took place on April 28, 2006. The SNS is open to scientists and engineers from universities, industries, and government laboratories in the United States and abroad.

Graphic: Spallation Neutron Source Text: Kurt Riesselmann; SNS fact sheet

