





Alma Mater Society Nest

Sustainability is central at the AMS Nest. The goal is LEED Platinum Certification (the highest Green Building rating in North America). The AMS Nest incorporates over 100 Social, Environmental, and Economic Studies (SEEDS) student-led sustainability projects. Sustainability highlights in the building include solar-powered heating and cooling systems, in-vessel composting facilities, storm water management retention, and a roof-top garden. With numerous cafes and restaurants, the Nest also offers an ideal place to grab a coffee or a quick bite.



University Boulevard Water Feature

This unique water feature (previously a parking lot) is designed to collect and filter stormwater runoff. Stormwater is collected and fed into the feature, cleaned through biofiltration, and then stored in a cistern below University Square. The cleaned water is then released into the environment in a more controlled manner, reducing the volume of water and its erosive effects. In recognition of UBC's relationship with the Musqueam people, a 34 foot tall Musqueam Post was added in 2016, and serves as a permanent welcome to all visitors.



Chemistry Centre

This heritage building, one of UBC's oldest, now features state-of-the-art labs and lecture theatres. Renovated through UBC Renew, this program minimizes the financial and environmental impacts of demolition and reduces the need for new construction. It also preserves the spectacular buildings that give UBC its character and sense of history. Renovating through UBC Renew kept 313 tonnes of waste out of the landfill, and saved five million litres of water. High-efficiency lighting and a heat recovery system reduce energy use by 21 per cent annually compared to a standard building.



C.K. Choi Building

UBC's first green building, the C.K. Choi Building, set benchmarks worldwide when it opened in 1996. Nearly half of all building materials came from former buildings and streets, including the 400 year-old red bricks from Vancouver's Yaletown neighbourhood and wood beams from UBC's old Armoury. The building utilizes waterless composting toilets, saving 1000 to 1500 gallons of water per day. Potable water is only required for the low flow taps and sinks. The site is irrigated using collected rainwater and recycled greywater from the building.



Centre for Interactive Research on Sustainability (CIRS)

UBC's first LEED Platinum certified building, CIRS models regenerative design as it relates to environmental and human wellbeing. The building features wood sourced from pine beetle affected forests and includes a seasonally responsive living wall, solar panels, radiant panel heat ventilation, a green roof and a Solar Aquatics Bio-filter wastewater treatment lab. The waste water on site is collected and treated using naturally occurring processes to reclaim the treated water for toilets and irrigation.



Bioenergy Research & Demonstration Facility (BRDF)

Using renewable fuels, BRDF produces steam, electricity, and hot water that is then distributed for use in campus buildings. BRDF was the first project in North America of this scale capable of generating both clean heat and power using biomass, a plant based, carbon neutral alternative to fossil fuels. Research aimed at reducing GHG emissions and fossil fuel consumption is also conducted on site. BRDF has been a key contributor in helping UBC reach its 2015 Climate Action Goal, reducing campus emissions by 14%.



Earth Sciences Building (ESB)

ESB features the largest application of cross laminated timber (CLT) in North America, using over 1,300 tons of BC sourced and engineered CLT. Each ton of dry wood products sequesters sufficient carbon to keep between 1.8 and 2.0 tons of CO₂ from being formed. The wood materials in ESB sequester about 2,600 tons of CO₂. ESB also features a high efficiency envelope, timber cantilevered staircase, high performance window glazing, thermal energy exchange and a stormwater management system.



The Beaty Biodiversity Museum

The Beaty Biodiversity Museum is home to UBC's vast natural history collections and UBC's Biodiversity Research Centre. Explore the vast displays and marvel at the diversity of life with over 500 exhibits. Take a moment to appreciate the blue whale skeleton. The largest creature to ever live on Earth. After viewing the sizable collections, browse the gift shop or grab a snack in the Niche Cafe.