

Metro Vancouver Annacis Research Centre

Address (Map): 1400 Lindsey Pl, Delta, British Columbia V3M6V1 Canada
 Sector: Industrial Delivery Type: Design Build
 MCW Office: Vancouver Status: Complete



Mechanical:
MCW Consultants

Electrical:
MCW Consultants



Architect:
IBI Group

Structural:
Bush, Bohlman and Partners



Contractor:
Stuart Olson Dominion Construction



Project Description

This new building, adjacent to the Annacis Island Wastewater Treatment Plant, is part of a network of academies to achieve a more sustainable Metro Vancouver. This building focuses on changing the public perception of wastewater. It includes research and lab areas, classrooms, and offices. The goals include attracting and enabling leading-edge academic and applied research, as well as post-secondary training opportunities with academic institutions.

Mechanical Systems Description:

MCW's mechanical designs include an energy recovery dedicated outdoor air system, demand control ventilation, and a water-to-water heat recovery heat pump system that draws on effluent from the adjacent wastewater treatment plant as the primary heating and cooling source for the building. A rainwater catchment system provides water for toilet and urinal flushing.

Electrical Systems Description:

MCW's electrical systems include solar-powered site lighting, an electric vehicle charging station, and provisions for future photovoltaic panels.