

Middle Arm Greenway

The City of Richmond engaged AECOM in the revitalization of the City's downtown urban waterfront on the Middle Arm of the Fraser River. AECOM designed a green corridor and waterfront park that serves to provide additional flood protection, restore the intertidal environments, provide public access to the river, and reconnect the waterfront to Richmond's urban core. The project was a result of the unique vision of the City of Richmond and a diverse AECOM team that included civil, structural, geotechnical and electrical engineers; urban designers; landscape architects and biologists.

Bulk Aviation Transport Tank

Few remote sites have year-round access to bulk fuel provided by ground tanker trucks or barges, so fixed wing aircraft or helicopters are used to transport drum fuel. Unfortunately fuel drums are expensive and present a greater risk to the environment because of continued handling which can result in many minor spills. Realizing this, SEI set out to develop a solution that would enable remote site operators to safely transport bulk fuel. SEI has engineered and patented two unique double-walled, baffled collapsible fabric fuel transport tanks: one for fixed wing and another for helicopters. Already operational in other parts of the world, the Bulk Aviation Transport Tank is currently undergoing final testing for Transport Canada approval and will soon give remote site operators in Canada an easy to use, safe, economical choice for bulk fuel transport.

Key project members: Paul Reichard, Victor Yaremenko, Mark Tayler PEng, Shilan Zheng PEng.



T'Sou-ke Photovoltaic Systems

The T'Sou-ke First Nations Community is located on the coast of Vancouver Island near Sooke. As part of a commitment to reduce fossil fuels and promote energy independence, the T'Sou-ke selected Home Energy Solutions to design and install photovoltaic systems to provide solar electricity for the buildings and homes in their community. Home Energy Solutions designed four solar arrays with a combined output of a 75 kW solar system. Three of the solar arrays were installed on the rooftops of community buildings. The fourth was installed on a custom designed ground mount. The solar systems were designed using equipment manufactured by BC-based Day4 Energy and Xantrex Technologies. Home Energy worked closely with the community and with the BC Hydro Net Metering administration. Band members were offered training and helped with the installation. System power output displays were installed to show the daily and total production from the system.

