

Vancouver International Airport

Jet Fuel Storage Facility Expansion

Project Description

A \$40 million expansion of the jet fuel storage facility was undertaken at the Vancouver International Airport to increase fuel storage from 12 million to 52 million litres to keep pace with growing demand. The two-year project consisted of the construction of four aboveground steel tanks surrounded by a retention berm, along with a fuel processing area and operations building.

The facility was built to stringent building and seismic code with more than 1,000 stone columns to densify the ground prior to construction. The tanks employ floating roofs to reduce emissions and reduce water ingress. The facility is fully automated with controls, backup power, surveillance and fire protection, and requires manpower only for routine maintenance and inspection. The facility increases on-airport fuel reserves from one day to more than five days.

Scope of Services

FSM Management Group Inc. (FSM Group) provided the management and administrative services related to public consultation, environmental baseline studies, geotechnical engineering, and preliminary and detailed engineering design. FSM Group managed all of the construction and consulting contracts taking the project from concept to commissioning.

About Us

FSM Group provides airport fuel and glycol consortium administration services, aviation fuel and glycol infrastructure project and construction management services, engineering and environmental management services, business consulting, and structured finance solutions for aviation fuel, glycol storage and ground fuel facilities at airports throughout North America. We also provide fuel management systems and technology for aviation and ground transportation industries.

FSM Group is a multinational professional services firm with offices in Montréal, Orlando, Toronto, and Vancouver. We are currently managing several airport fuel facility construction projects, either under way or in the planning stage, which combined are valued in excess of \$500 million. For more information, please contact us at (514) 633-8750 or Info@FSMGroup.ca or visit FSMGroup.ca.

