

PROJECT REFERENCE

FORT ST. JOHN CEMENT TERMINAL | DESIGN, BUILD & INSTALL

Location: Fort St. John, BC

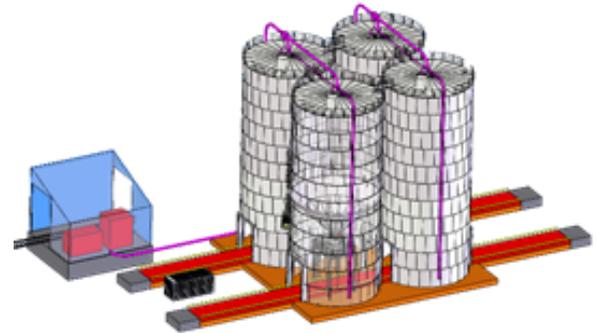
Owner: Leigh Cement, part of the Heidelberg Cement Group

STT Enviro Corp has been awarded the design, build, install and commission of a new cement transload terminal at a site in Fort St. John for Lehigh Cement. The new terminal is part of the overall cement supply strategy for Lehigh for the Site C Clean Energy Project in BC.

The terminal will handle two products (cement and flyash) during the Site C Project Construction, but may handle up to four products in future. Cement will be delivered to site primarily by hopper bottom railcars while fly ash will be delivered by self-unloading pneumatic bulk trucks. Both the cement and fly ash silos are capable of being loaded by either delivery method.

A railcar unloading station will be located on site to unload the material from the railcar and pneumatically convey the material into one of the four storage silos. The silos are of a drive-through design such that the trucks can drive underneath the silo outlet for direct gravity loading of materials into the truck. Each pair of silos will have a truck weigh scale beneath them to weigh the trucks as they are being loaded. STT is working closely with Lehigh to optimize the plant layout for maximum transload efficiency.

All equipment, motors and instruments will be powered and controlled from a control building on site. The control system will interface with the owner supplied self-service loading (SSL) system.



PROJECT HIGHLIGHTS

- The project is key to Lehigh's cement supply strategy for the Site C Clean Energy Project.
- STT worked closely with Lehigh's geotechnical engineers to eliminate expensive piling for foundation works.
- The project is on an accelerated schedule with silo construction to be done in the winter. STT is engaged in custom programming to interface with Lehigh's proprietary self-service loading system.