

# OUR PROJECTS



SECTOR: TRANSPORTATION

## WINDSOR VIA RAIL STATION

298 Walker Road, Windsor, Ontario

### DESCRIPTION:

The project was the new construction of a single storey VIA rail station. The project features a curved translucent roof structure for a large portion of the roof area. The facility was required to be designed to incorporate green technologies for the mechanical and electrical systems. The design uses geothermal source heat pumps for heating and cooling, and provisions were made for a future roof mounted, solar PV array. The array for the roof required special co-ordination with the curved roof structure and the translucent panels of the roof to prevent shadows on the panels and maximize the solar intensity.

### CONSULTING SERVICES:

Callidus Engineering provided the plumbing, mechanical, fire protection and electrical engineering. Construction administration was complete throughout the construction period and included bi-weekly site visits, review of draws, change notice paper work and pricing reviews.

### STATUS:

Completed October 2011

### CONSTRUCTION VALUE:

\$5 Million

### DESIGN TEAM:

Project Manager - Jennifer Stanley, P. Eng.  
Electrical Engineer - Andrew Hall, P. Eng.  
Mechanical Designer - Jennifer Stanley, P. Eng.  
Mechanical Engineer - Matthew Van Gilst, P. Eng.