



## An Introduction to Tamas Hydronic Systems Inc.

Tamas Hydronic Systems is a family-owned Canadian company, and began with the ambition to make complete, reliable hydronic distribution panels. Throughout the years the company has gone on to create an extensive line of pre-engineered panels and packages that serve the Residential, Commercial, and Industrial Hydronic market.



Tamas Hydronic develops and manufactures hot water heating systems tailored for residential, commercial and industrial facilities. Pre-fabricated Tamas panels provide a convenient alternative to onsite production for contractors, a pre-engineered inclusive package for building managers, and a compact, convenient system for homeowners. Custom engineering ensures that pump and pipe sizing maximizes water distribution and heat transfer. Systems are setup using independent zones that can be adjusted to cater to the requirements of a specific room or area.

Today Tamas Hydronic designs and manufactures a large range of products including snowmelt packages, boiler and pump packages, manifold panels, and custom designed products as well for new projects.



## Vancouver 2010: Athlete's Village Heating & Cooling Systems Project

Tamas Hydronic was responsible for designing and manufacturing the combined heating/cooling units installed in the Millennium Waterfront Athlete's Village development in Vancouver, British Columbia. The building was developed with the target of achieving LEED® (Leadership in Energy and Environmental Design) Certification. LEED® Certification serves

as the definitive standard when attempting to minimize the environmental footprint of a structure, and striving to attain complete sustainability.

Each apartment unit received its own respective heating/cooling system; three panel types were developed to accommodate the three corresponding suite sizes. The Tamas systems were developed to distribute tempered hot water when a heat demand exists, as well as provide air conditioning via chilled water during the warmer summer months. In excess of 1200 individual units were completed for the project.

Innovative design strategies allowed for compact unit design and minimal residual noise. This compensation allowed structure designers to integrate the heating and cooling system within the living space. Designers were able to maximize habitable square footage in the apartments as the requirement for a boiler room or mechanical space was not necessary.

