Referenser

Manitoba Hydro Place



Uponors roll

Project highlights

- 18-floor office building in Winnipeg, Manitoba, Canada
- Features Uponor radiant heating and cooling'
- Uses solar, geothermal and hydroelectric energy sources
- Predicted to use 65% less energy than similar buildings
- Awarded AIA's 2010 COTE Top Ten Green Project
- Expected to attain LEED® Platinum certification

Products used

- Wirsbo hePEX™ Tubing
- TruFLOW Manifolds

Manitoba Hydro Place uses Uponor radiant heating to stay warm during Manitoba winters

See how Uponor hePEX is being used to heat an 18-floor building in a location where temperatures can dip below 0°F... Manitoba Hydro Place, the fourth-largest government-owned electric and natural gas utility in Canada, is located in one of the most challenging cities for extreme weather. Temperatures typically reach well below 0°F (-18°C) during the winter months. Yet the entire 18-floor building is being effectively and efficiently heated by renewable sources — the sun and geothermal wells, supplemented by hydroelectric power — all distributed throughout the facility by several different application methods, including an Uponor radiant heating and cooling system.

Projektfakta

Location

Winnipeg, Manitoba, Canada

Färdigställt

2009

Byggnadstyp

Industribyggnad

Projekttyp

Nybyggnation

Uponor hePEX helps the building use 65% less energy than similar buildings in the area

The building, which was completed in September 2009, is expected to use 65% less energy compared to similar buildings in the area. Based on simulation, the annual energy use of the building is predicted to be around 29 kBtu/ft2 (330MJ/m2), which is a 65% reduction from the base case. Additionally, the annual carbon footprint is predicted to be 1.1 lbs. CO2/ft2 (5.4 kg CO2/m2).

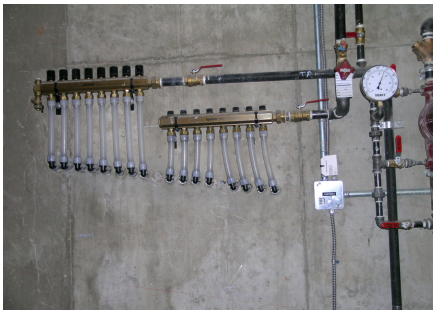
Manitoba Hydro Place











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