

## Manitoba Hydro Place



### Implication d'Uponor



#### 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

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## 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.

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## Connaissance du projet

Location

Winnipeg, Manitoba, Canada

Achèvement des travaux

2009

Type de construction

Bâtiment industriel

Type de projet

Nouveau bâtiment

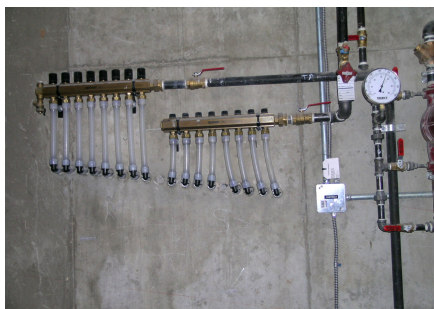
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## Uponor hePEX helps the building use 65% less energy than similar buildings in the area

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/ft<sup>2</sup> (330MJ/m<sup>2</sup>), which is a 65% reduction from the base case. Additionally, the annual carbon footprint is predicted to be 1.1 lbs. CO<sub>2</sub>/ft<sup>2</sup> (5.4 kg CO<sub>2</sub>/m<sup>2</sup>).

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# uponor

Adresse

Uponor France  
523 Cours du 3<sup>e</sup> Millénaire  
69800 Saint-Priest,  
France

Téléphone +33 (0)4 74 95 70 70  
W [www.uponor.com](http://www.uponor.com)