

# Gimli Community • Health Centre



WINNER OF THE 2007 CANADIAN CONSULTING ENGINEER  
AWARD OF EXCELLENCE

**OWNER :** Manitoba Health and  
Interlake Regional Health Authority  
Gimli, Manitoba

**DESIGN TEAM: Mechanical Consultants**  
MCW Consultants Ltd.  
MCW/Age Power

**Electrical Consultants**  
MCW Consultants Ltd.  
MCW/Age Power

**Architect**  
Atkins Architects Inc.

## PROJECT DESCRIPTION

The Gimli Community Health Centre incorporates an open well form of geothermal heating and cooling. The ground water is used to cool the building directly by being pumped through the air handling unit cooling coils. This also warms the ground slightly in the summer. To avoid any unnecessary environmental impact a system was designed for the 7.2°C (45°F) ground water to warm a glycol loop in the winter which is pumped into pre-heating coils on each air handling unit enabling the outside air to be heated from -35°C to -8°C.

## SYSTEMS DESCRIPTION

- Enhanced wall and roof insulation
- High efficiency lighting
- High efficiency motors
- Variable speed drives on larger motors
- High efficiency condensing boilers
- Glycol "run-around" heat recover
- Geothermal cooling
- Geothermal air pre-heating