



Geo-Energie inc.

GEOHERMIA

Title and project location: UQAR, Pavillon Lévis, Qc.

Implementation period (month, year): From OCTOBER 2005 to JUNE 2007

Client name: Société Immobilière AMT / Groupe Techniconfort

Construction or work costs

- Total: N/A
- Professional's specialty related portion: 830 000.00\$

SUMMARIZE THE NATURE OF PARTICIPATION OF THIS PERSON TO THIS PROJECT

A) Project description

Construction of a new pavilion at the Université du Québec à Rimouski, in Lévis

B) Scope of work

New university building, geothermically heated and air-conditioned, 368 geothermic capacity tons. Conductivity test, design and mechanical drawing of the geothermic exchanger, including 62 600 feet in closed loop. A geothermic vault was also installed.

C) Main challenges for project realisation

The most imposing closed loop geothermic project in Quebec (at the time of its design), one of the first projects to use a hidden geothermic vault. Important geothermic load for limited ground availability.

D) Complexity and scale of the project (tender cost and actual cost)

The project required 105 wells of 597 feet each, grid distributed in the university's pavilion parking lot. In order to respect the timeframe, several drilling machines were simultaneously mobilized. The main geothermic piping, between the vault and the building, has a diameter of 8 inches. One of the first Quebecer projects to have used a high performance geothermic grout containing Bentonite, meeting the C-448-02 SCA standard

E) Contribution of this person in each stage of the project (nature of tasks and challenges)

Participation in planning meetings ; research of budgetary estimate for anticipated costs; ground conductivity test execution; blueprints and specs; external exchanger design; external work execution supervision

F) Method for respecting established timetable, blueprints and construction specifications

Maximization of on site resources, training of project contributors

G) How this person distinguishes himself

Accredited geothermic trainer by the International Ground Source Heat Pump Association (IGSHPA) and by the Canadian GeoExchange Coalition (CGC), Mr. Lambert class trained the main engineer of this project along with several other project contributors.

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UQAR, LÉVIS PAVILION, QC

