

# MultiGEO Controls

MultiGEO Controls package provides the most comprehensive energy solution and control package available on the market today. This package is incorporated into the building automation system (BAS) and sends control signals to key parts of the system, including, but not limited to, ground heat exchanger (GHX), heat pumps, control valves, and closed circuit cooling tower (CCCT) components.

The result is a comprehensive system optimization that maximizes efficiency and reduces operating costs. This control package predicts future failures due to unforeseen conditions, like unusually long periods of hot or cold weather or changes in the building usage, and prevents damage from these conditions through system prioritization and equipment failure alerts to the BAS.

## What Greensleeves provides:

Greensleeves provides (for installation by the Direct Digital Control/DDC Contractor) a packaged control system for installation near the BAS that includes:

1. Pre-programmed controller (Tridium JACE) for the control points as provided by the building owner:
  - a. JACE 8000 Controller with device expansion if applicable
  - b. JACE 8000 wall adapter
2. Tracking, storing and analyzing the heat flux to/from the GHX.
3. Control of the applicable GHX pump, CCCT fan and/or spray pump. Multiple GHXs and/or CCCTs can be included at an additional fee.
4. Remote Startup and Commissioning.
5. One year warranty on parts and labor for the controller.

## What others provide:

1. Furnish and mount a NEMA enclosure for the Greensleeves' controller.
2. Receive, mount and provide field control wiring to/from the Greensleeves' controller.
3. Provide Internet connection to the Greensleeves' controller.
4. Provide temperature sensors and flow meters as required.
5. Be present during Greensleeves' remote controller start-up and commissioning.
6. Provide onsite field support to Greensleeves during warranty period. Greensleeves to diagnose issues via the Internet connection.

