



Providing Sustainable Energy



Energy Master
Planning

Engineering
& Design

Financial
Structuring

Construction
& Installation

Energy Data
Analytics

Operations &
Maintenance



GI Energy is a leading developer of on-site energy and microgrids. GIE tailors long-term, sustainable and efficient energy solutions for your current and future needs.

Our energy technology expertise



Combined Heat & Power (CHP)

CHP uses natural gas to provide electricity, chilled water and steam. GIE installed the largest CHP system in a New York commercial building.



Geothermal and Energy Foundations

Ground source heat pumps use the earth to provide highly efficient heating and cooling. GIE pioneered Energy Piles in 2001 with Skanska and is working on America's largest project to date.



Energy Storage

GIE works with partners like Tesla and NEC to provide affordable and scalable energy storage systems.



Solar

GIE integrates solar with other technologies, for example in America's first net-zero energy retail store.



Data Integration, Automation and Controls

Integrating big data maximizes efficiencies through real-time monitoring and optimization. GIE works with leading innovators to customize controls and data analytics solutions.



Fuel Cells

Fuel Cells convert chemical energy into electricity. GIE pioneered America's first ever state Microgrid in Hartford, CT, using fuel cells to protect critical community infrastructure.

Our Clients include



Why choose GI Energy

1. Focus on financial as well as energy efficiency
2. Independent experts: vendor and technology neutral
3. Full service provider, from scoping to long-term O&M
4. GI Energy warrants the output of its on-site solutions
5. Intimate knowledge of utility markets and tariffs

gi energy

Case Studies



Cornell Tech New York, NY



Ground Source Heat Pump geothermal energy system for campus' first academic building, The Bloomberg Center

New Cornell University applied tech campus on Roosevelt Island, NYC

GSHP system provides majority of heating and cooling load. Originally designed to support The Bloomberg Center to be one of the largest Net Zero buildings in the USA

GIE provided engineering, procurement & construction (EPC)



Hunters Point San Francisco, CA

LENNAR



Eco-District: Utilities Design, Construction, Ownership, Operations & Management

Ground-breaking eco-district design: mixed-use development, integrating sustainable energy generation with smart technology systems

GIE leading team of experts, responsible for sustainable energy, water systems, telecomms & waste management. Partners include Edison Energy, AlfaTech, Tesla & Bloom Energy

GIE arranged third-party financing, and is providing EPC services



Walgreens Evanston, IL



Walgreens debut Net-Zero Energy store

Integrated GSHP system with natural ventilation, daylighting, solar PV and wind turbines

First 100% CO₂ refrigeration integrated with geothermal in USA

Amongst many other awards, has won: LEED Platinum, Green Chill Platinum, USGBC Emerald Award, Excellence in Engineering ASHRAE Award



North Shore Towers Long Island, NY

4.5 MW Reciprocating Engine CHP System

Grid-Isolated 1,844 unit residential community, continuous operation critical for vulnerable residents

GIE provided full EPC for project

GIE recognized management's priority was resident safety, and was awarded contract due to superior engineering ensuring no power outages during installation

GI Energy Projects with LEED certification include



US Embassy, 9 Elms, London, UK (Platinum)

TransAmerica Pyramid Center, San Francisco, CA (Platinum)

Walgreens, Evanston, IL (Platinum)

Cornell Tech, Roosevelt Island, NY*

Hunters Point, San Francisco, CA*

Empire State Building, New York City, NY (Gold)

Federal Center South, Seattle, WA (Gold)

Trevor Day School, New York City, NY (Gold)

One Market Plaza, San Francisco, CA (Gold)

University of Chicago, Chicago, IL (Silver)

One Penn Plaza, New York City, NY

North Shore Towers, New York City, NY

Gateway Plaza, White Plains, NY

College of the Canyons, Santa Clarita, CA

*In progress, designed with Platinum LEED certification as key objective

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