



POWERING COMPREHENSIVE SOLUTIONS

# Energy + Utilities Group

**GHAFARI**

SPACE  
TO  
THRIVE

## Energy and utility clients need cleaner, cost-effective and more efficient solutions to meet the increasing demand of their customers.



Our integrated team works with energy and utility leaders to determine the most sustainable design solutions for their complex operating environments and technically driven facilities. Working together, we combine assessment, analysis, programming, and planning expertise to create cost-saving energy approaches tailored to each client's needs.

Our assessment and analysis cover the systems, equipment, technology, capacities, levels of redundancy, current energy use, and regulatory requirements that impact clients' day-to-day business operations. Based on this deep understanding, we develop programs that minimize greenhouse gas emissions, improve energy efficiency, and help businesses succeed.



## MARKET SERVICES

### CONSULTING

Alternative Energy Strategies  
Biomass  
Building Envelope Analysis  
Energy and Utility System Analysis  
Energy Strategy Development  
Equipment Analysis  
Geothermal  
Indoor Air and Water Quality Analysis  
Risk and Reliability Assessment  
Solar and Wind  
Utility Infrastructure Planning

### CONSTRUCTION

Construction Management  
Design-Build Management  
Lump Sum and GMax Delivery  
Owner's Representation  
Pre-Construction Cost / Benefit Analysis  
Program Management  
Project Management

### ARCHITECTURE + ENGINEERING

Architecture and Interior Design  
BIM Integration Management  
Civil Engineering  
Construction Administration  
Cost Estimating and Scheduling  
Electrical Engineering  
Facility Programming and Planning  
Fire Protection Engineering  
ICT and Security Systems Engineering  
Industrial and Process Engineering  
Laser Scanning  
Mechanical Engineering  
Plumbing Engineering  
Structural Engineering  
Utility and Technology Master Planning

## FACILITY TYPES

Central Utility Plants  
Corporate Facilities  
Data Centers / Mission Critical Facilities  
Industrial, Manufacturing, and Distribution Facilities  
Mixed-Use Buildings  
Research and Development Facilities  
Smart Buildings  
Support Buildings

**COVER:** Grainger San Francisco Distribution Center Photovoltaic System **LEFT, BOTTOM RIGHT:** NextDiesel Biodiesel Production Facility **TOP RIGHT:** NextEnergy Headquarters & Alternative Energy Center



## REPRESENTATIVE CLIENTS

A123 Systems  
Agresti Biofuels  
Ardesta  
Consumers Energy  
Empower Energies  
LG  
NextDiesel  
NextEnergy  
SoulBrain  
W.W. Grainger

## OFFICE LOCATIONS

Birmingham, Alabama USA  
Chicago, Illinois USA  
Dearborn, Michigan USA  
Detroit, Michigan USA  
Greenville, South Carolina USA  
Indianapolis, Indiana USA  
Mexico City, Mexico  
São Paulo, Brazil  
Baroda, India  
Abu Dhabi, UAE  
Doha, Qatar  
Jeddah, Saudi Arabia  
Muscat, Oman

## FOR MORE INFORMATION

Direct any questions to [info@ghafari.com](mailto:info@ghafari.com), and a regional representative will contact you to discuss how a Ghafari partnership can help your business thrive.