



# COMPANY Overview

Green Energies in Motion (GEIM USA) is a premier engineering consulting firm specializing in renewable energy systems, smart grid integration, microgrids, and electric utility solutions. Backed by over 25+ years of industry experience, GEIM delivers compliant, future-ready engineering solutions across the United States and Canada.

We support utilities, government entities, EPCs, and developers with high-impact engineering services that modernize electrical infrastructure, accelerate clean energy adoption, and enhance grid reliability.

## Corporate Data

**Company:** Green Energies in Motion (GEIM USA)

**Industry:** Renewable Energy & Power Engineering

**Experience:** 25+ Years

**Regions:** United States & Canada

**Website:** [www.geimusa.com](http://www.geimusa.com)

## VISION

To lead the global transition to **sustainable energy** through intelligent engineering and innovation.

## MISSION

To revolutionize energy systems with sustainable solutions that ensure a cleaner, **greener** future.



Scan to explore our  
renewable energy and  
engineering solutions



# GEIM USA

## CAPABILITY STATEMENT

**Innovating Today  
Powering Tomorrow**

# Technical Capabilities

Transmission interconnection impact studies using PSS®E  
(Utility-scale modeling and grid approval support)

Arc flash studies for indoor and outdoor facilities using ETAP  
(Personnel safety and NFPA/IEEE compliance)

Distribution interconnection impact studies using CYME, Synergi  
(Feeder performance and renewable integration)

Grid code and standards development using IEEE Working Groups  
(Regulatory compliance and industry leadership)

Grounding studies for substations and power plants using CDEGS  
(Touch and step potential safety design)

TOV, anti-islanding, and switching overvoltage studies using PSCAD  
(Transient performance and system stability)

Electrical layout and single line diagram development using AutoCAD  
(Substations, microgrids, renewable plants, and power facilities)

Reactive power studies for renewable collector substations using ETAP, EasyPower  
(Voltage stability and performance optimization)

Short circuit studies for PV, battery, and wind plants using ETAP, EasyPower, ASPEN  
(Protection system design and equipment safety)

System strength analysis (SCR, WSCR, CSCR) for transmission interconnection  
(Inverter-based resource integration, weak-grid assessment, and stability assurance)

Flexible interconnection and generation curtailment analysis  
(Hosting capacity evaluation, non-firm interconnection strategies & congestion mitigation)

Smart inverter functionality impact analysis in distribution systems  
(Assessment of Volt-VAR, Volt-Watt, ride-through performance & grid-support capabilities)

Power market analytics & economics, regulatory analytics, EMS/ADMS/DERMS factory acceptance testing (FAT), grid operational readiness & grid compliance testing  
(Market intelligence, regulatory alignment, system validation & operational deployment)

# Core Competencies

- Renewable Energy Engineering (**Solar, Wind, Battery, Microgrids**)
- **EV Charging** Infrastructure Development
- **Smart Grid** Integration & Utility Engineering
- Power System Studies & **Grid Compliance**
- **Engineering Consulting**, Design & PE Stamping

# Differentiators

- ✓ Licensed **Professional Engineers** in multiple U.S. states and Canada
- ✓ Authorized to **design, review, and stamp** engineering documents
- ✓ Specialized in **renewable**, utility, and **microgrid** engineering
- ✓ Advanced **modeling & simulation** expertise
- ✓ Proven record of **compliant**, performance-driven solutions