

ENGINEERING CONSULTANTS

Electrical Engineering Experts for Commercial Solar

With continued commitment of businesses to pursue sustainability targets, the US commercial solar market is expanding steadily. Enhanced solar technologies and favorable incentives drive adoption, yet regulatory complexities, financing hurdles, and grid integration challenges persist. Addressing these barriers is essential to advancing commercial solar uptake and supporting a broader transition to renewable energy.

At Illumine-i, we are constantly innovating solutions to address these challenges and maximize the benefits of solar adoption ensuring a smoother transition to renewable energy. With our decade-young experience in the US Solar ecosystem, 2.5 GW of projects and multiple accolades later, we continue to empower almost 800+ EPCs and developers across the globe.

Design and Engineering

- Detailed Site Layout
- String Layout
- Communication Plan
- Electrical Engineering
- Structural Engineering
- Racking Solutions
- Power Studies
 - Arc Flash Studies
 - Load Flow studies
 - Short Circuit Studies

Advisory Services

- Feasibility Studies
 - Site Selection
 - Grid Load Study
 - Solar Resource Assessment
 - Equipment Selection
 - Utility Impact Studies
- Site Studies
 - Topographical Survey
 - ALTA Survey
 - Underground Study
 - Geo Tech Survey
 - Environmental Impact Study

- Permitting
 - AHJ documentation and Approval
 - Utility documentation and Approval
 - Grant Writing
- Construction Management
 - Bill of Material and planning
 - Drone-based construction monitoring
- Asset management
 - Compliance Mapping and Due Diligence
 - Performance Optimization
 - Preventive and Corrective Maintenance
 - Data Management and Reporting
 - Life Cycle Management

Impact that Speaks



635,000 hours
of consulting for
power engineering projects



30% Reduction
in project time, ensuring
efficiency & cost-effectiveness



2.5 GW
cumulative system size of
projects delivered



4 Continents
serving the Energy &
Construction industry

Project Portfolio

Commercial



1.2 MW (Ground mount)
Rockingham, Virginia



130 kW (Rooftop)
Plumas, California



700 kW (Rooftop)
Fremont, California

1000+
Projects

Education



868 kW (Ground mount)
Bedford, Virginia



266 kW (Rooftop)
New Canaan, Connecticut



99 kW (Rooftop)
Boise, Idaho

200+
Projects

Healthcare



1.3 MW (Ground mount)
Winchester, Virginia



480 kW (Ground mount)
Tazewell, Virginia



423 kW (Car port)
Santa Clara, California

100+
Projects

Multifamily homes



610 kW (Rooftop)
Los Angeles, California



974 kW (Rooftop)
Los Angeles, California



151 kW (Rooftop)
Tacoma Park, Maryland

800+
Projects

Community



107 kW (Rooftop)
Upland, California



250 kW (Rooftop)
Fredericksburg, Texas



101 kW (Rooftop)
Edmonds, Washington

50+
Projects