



COMMERCIAL SOLAR ELECTRIC

Custom Engineering, Procurement & Construction Solutions

Solar electric energy systems convert sunlight directly into electricity on-site and are reliable, pollution-free, and quiet. Solar generated electricity enables a facility owner or manager to reduce their grid supplied energy consumption and thereby their operating cost.

Alternative Power Solutions (APS) is a full service NABCEP certified solar electric system integrator that provides turnkey engineering, procurement, construction, commissioning, and maintenance services to government, commercial and residential clients.



The APS team consists of seasoned professionals with engineering and construction management experience combined with an entrepreneurial spirit to provide the best level of quality and service to the markets in which we operate.

Engineering

APS executes all preliminary, and issue for construction designs in accordance with local and NEC codes, major equipment manufacturer specifications, industry standard installation practices and local utility rebate programs if applicable. In addition, our systems are internally evaluated against our quality control and assurance procedures to ensure their long-term peak production output, and their compliance with photovoltaic system operational safety, major component protection and sub-system level monitoring if requested.

Our professional engineer stamped designs include both 3D and 2D rendering of our projects to ensure the structural integrity of the buildings' roof is maintained, local wind load criteria are followed, foundations and structural members are properly sized, and shading by surrounding elements (trees, buildings, system elements, etc) is avoided.

Integration

The APS team is uniquely qualified and experienced in the procurement and installation of the highest quality materials from around the world. Our ability to locate, procure, and ensure timely delivery of all high cost equipment to the project site ensures the completion of task restrictive schedules on time, and below project budgets.

APS employs one of the highest trained and certified full time safety, project management, and installation teams in the solar industry. Our teams are trained in the construction of projects in strict accordance with our written Quality Assurance, Project Management Policy and Procedure, and Safety Manuals. Methodical and deliberate coordination with general contractors, building owners, utility official, and permitting authorities towards the successful and safe completion of our projects has and continues to be our strongest attribute.

Commissioning

Our commissioning team is dedicated to the delivery of a complete and functional solar system that meets or exceeds all initial production objectives and goals while establishing a baseline level of performance to support on-going system monitoring and optimization activities. Our services also include providing documentation of the design, configuration, installation, operation and maintenance of the complete system and its individual components.

Operations & Maintenance

An APS solar electric system includes a standard installation and up to 25 years manufacturers warranty. They typically produce power for a building in excess of 30 years. As part of our optional service package, APS maintains each and every one of our systems with scheduled, unscheduled and periodic warranty service to achieve and exceed projected long-term system power output and operational safety.

